



# The bidi Package

Source documentation for [version 40.9](#)

to my Master, *Ferdowsi The Great*

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please use the issue tracker:

<https://github.com/xepersian/bidi/issues>

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/xepersian/bidi/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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# The *bidi* Package

## Bidirectional typesetting in plain $\text{T}_{\text{E}}\text{X}$ and $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ , using Xe $\text{T}_{\text{E}}\text{X}$ engine

Source documentation for [version 40.9](#)

Vafa Khalighi\*

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## 1 File amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for X
2 \def\tocline#1#2#3#4#5#6#7{\relax
3 \ifnum #1>\c@tocdepth % then omit
4 \else
5 \par \addpenalty\@secpenalty\addvspace{#2}%
6 \begingroup \hyphenpenalty\@M
7 \ifempty{#4}{%
8 \@tempdima\csname r@tocindent\number#1\endcsname\relax
9 }{%
10 \@tempdima#4\relax
11 }%
12 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\
13 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \kern-.4\p@
28 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29 \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \reset@font%
38 \bidi@footnotetext@font% \normalfont\footnotesize
39 \interlinepenalty\interfootnotelinepenalty
40 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41 \floatingpenalty\@MM \hsize\columnwidth
42 \@parboxrestore \parindent\normalparindent \sloppy
43 \protected@edef\@currentlabel{%
44 \csname p@footnote\endcsname\@thefnmark}%
45 \@makefnmark%
46 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
47
48 \long\def\@RTLfootnotetext#1{%
49 \insert\footins{%
50 \@RTLtrue%
51 \reset@font%
52 \bidi@RTLfootnotetext@font% \normalfont\footnotesize
```



```

53 \interlinepenalty\interfootnotelinepenalty
54 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55 \floatingpenalty\@MM \hsize\columnwidth
56 \@parboxrestore \parindent\normalparindent \sloppy
57 \protected@edef\@currentlabel{%
58 \csname p@footnote\endcsname\@thefnmark}%
59 \@makefntext{%
60 \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}
61
62
63
64 \long\def\@LTRfootnotetext#1{%
65 \insert\footins{%
66 \RTLfalse%
67 \reset@font%
68 \bidi@@LTRfootnotetext@font% \normalfont\footnotesize
69 \interlinepenalty\interfootnotelinepenalty
70 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
71 \floatingpenalty\@MM \hsize\columnwidth
72 \@parboxrestore \parindent\normalparindent \sloppy
73 \protected@edef\@currentlabel{%
74 \csname p@footnote\endcsname\@thefnmark}%
75 \@makefntext{%
76 \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84 \bibtitlestyle
85 \normalfont\bibliofont\labelsep .5em\relax
86 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
88 \bidi@thebibliography@font@hook%
89 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90 \leftmargin\labelwidth \advance\leftmargin\labelsep
91 \usecounter{enumiv}}%
92 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93 \sfcode`\.=\@m
94 }{%
95 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96 \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
99 \columnseprule{z@ \columnsep 35\p@
100 \@indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent\z@ \parskip\z@\@plus.3\p@\relax
104 \ifRTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}

```



```

107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111 \@topnum\z@ % this prevents figures from falling at the top of page 1
112 \setcopyright
113 \thispagestyle{firstpage}% this sets first page specifications
114 \uppercase\shorttitle
115 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116 \else \andify\shortauthors
117 \fi
118 \@maketitle@hook
119 \begingroup
120 \@maketitle
121 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
122 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123 \edef\@tempa{%
124 \@nx\markboth{\the\toks4
125 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126 \@tempa
127 \endgroup
128 \c@footnote\z@
129 \cleartopmattertags
130 }

```

## 2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol p
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133 \def\@tempa{#2}%
134 \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135 \def\@tempa{#3}%
136 \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137 \ifnum\col@number<\@ne
138 \PackageWarning{adjmulticol}%
139 {Using '\number\col@number'
140 columns doesn't seem a good idea.^^J
141 I therefore use one columns instead}%
142 \col@number\@ne\fi
143 \ifnum\col@number>10
144 \PackageError{adjmulticol}%
145 {Too many columns}%
146 {Current implementation doesn't
147 support more than 10 columns.%
148 \MessageBreak
149 I therefore use 10 columns instead}%
150 \col@number10 \fi
151 \ifx\@footnotetext\mult@footnotetext\else
152 \let\orig@footnotetext\@footnotetext
153 \let\@footnotetext\mult@footnotetext
154 \fi
155 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156 \let\orig@LTRfootnotetext\@LTRfootnotetext
157 \let\@LTRfootnotetext\mult@LTRfootnotetext

```





```

158 \fi
159 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
160 \let\orig@RTLfootnotetext\@RTLfootnotetext
161 \let\@RTLfootnotetext\mult@RTLfootnotetext
162 \fi
163 \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]
164 \let\adjmc@page@sofar@orig=\page@sofar

```

### 3 File algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2018/09/23 v0.2 bidi adaptations for algorithm2e p
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \else%
169 \fi
170 \ifpackageloaded{color}{-}{%
171 \bidi@patchcmd{\@algocf@start}{\bgroup}{%
172 \bgroup
173 \if@RTL
174 \beginR
175 \else
176 \beginL
177 \fi
178 }{}{}
179 \bidi@patchcmd{\@algocf@finish}{\egroup\end{lrbox}}{%
180 \if@RTL
181 \endR
182 \else
183 \endL
184 \fi
185 \egroup
186 \end{lrbox}}%
187 }{}{}
188 \bidi@patchcmd{\algocf@makecaption}{\hbox}{%
189 \if@RTL
190 \hboxR
191 \else
192 \hboxL
193 \fi
194 }{}{}
195 }

```

### 4 File amsbook-xetex-bidi.def

```

196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for
197 \def\@tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\@secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \@tempdima\csname r@tocindent\number#1\endcsname\relax
204 }{}%
205 \@tempdima#4\relax

```



```

206 }%
207 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
208 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \if@RTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern11\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
240 \reset@font%
241 \bidi@@footnotetext@font% \normalfont\footnotesize
242 \interlinepenalty\interfootnotelinepenalty
243 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244 \floatingpenalty\@MM \hsize\columnwidth
245 \@parboxrestore \parindent\normalparindent \sloppy
246 \protected@edef\@currentlabel{%
247 \csname p@footnote\endcsname\@thefnmark}%
248 \@makefnmark%
249 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252 \insert\footins{%
253 \@RTLtrue%
254 \reset@font%
255 \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
256 \interlinepenalty\interfootnotelinepenalty
257 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258 \floatingpenalty\@MM \hsize\columnwidth
259 \@parboxrestore \parindent\normalparindent \sloppy

```



```

260 \protected@edef\@currentlabel{%
261 \csname p@footnote\endcsname\@thefnmark}%
262 \@makefntext{%
263 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267 \insert\footins{%
268 \RTLfalse%
269 \reset@font%
270 \bidi@@LTRfootnotetext@font% \normalfont\footnotesize
271 \interlinepenalty\interfootnotelinepenalty
272 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273 \floatingpenalty\@MM \hsize\columnwidth
274 \@parboxrestore \parindent\normalparindent \sloppy
275 \protected@edef\@currentlabel{%
276 \csname p@footnote\endcsname\@thefnmark}%
277 \@makefntext{%
278 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287 \@bibtitlestyle
288 \normalfont\bibliofont\labelsep .5em\relax
289 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
290 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
291 \bidi@@thebibliography@font@hook%
292 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
293 \leftmargin\labelwidth \advance\leftmargin\labelsep
294 \usecounter{enumiv}}%
295 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
296 \sfcode`.=\@m
297 }{%
298 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
299 \endlist
300 }
301 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
302 \begingroup
303 \fontsize{\@xivpt}{18}\bfseries\centering
304 \ifnum\c@secnumdepth>\m@ne
305 \leavevmode \hskip-\ifRTL\rightskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\rightskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par

```



```

314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

## 5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[2020/05/16 v1.2 bidi adaptations for amsmath package f
327 \let\veqno=\eqno
328 \iftagsleft@ \let\veqno=\leqno \fi
329 \renewcommand{\numberwithin}[3][\arabic]{%
330   \ifundefined{c@#2}{\@nocounterr{#2}}{%
331     \ifundefined{c@#3}{\@nocnterr{#3}}{%
332       \@addtoreset{#2}{#3}%
333       \xp\xdef\csname the#2\endcsname{%
334         \@xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
335 }
336 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italicco
337
338 \bidi@patchcmd\math@cr@@@align\place@tag{%
339   \place@tag
340   \else
341     \place@tag
342 }{}{}
343

```

## 6 File amstext-xetex-bidi.def

```

344 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package f
345 \def\textdef@#1#2#3{\hbox{%
346   \everymath{#1}%
347   \let\fontsize#2\selectfont
348   \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}

```

## 7 File amsthm-xetex-bidi.def

```

349 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for
350 \def\@thmcountersep{\@SepMark}

```

## 8 File array-xetex-bidi.def

```

351 \ProvidesFile{array-xetex-bidi.def}[2024/12/10 v0.5 bidi adaptations for array package for X
352 \def\@testpach{\@chclass
353   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
354   \ifnum \@lastchclass=7 5 \else
355   \ifnum \@lastchclass=8 \tw@ \else

```



```

356 \ifnum \@lastchclass=9 \thr@@
357 \else \z@
358 \ifnum \@lastchclass = 10 \else
359 \edef\@nextchar{\expandafter\string\@nextchar}%
360 \@chnum
361 \if \@nextchar c\z@ \else
362 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
363 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
364 \z@ \@chclass
365 \if\@nextchar |\@ne \else
366 \if \@nextchar !6 \else
367 \if \@nextchar @7 \else
368 \if \@nextchar <8 \else
369 \if \@nextchar >9 \else
370 10
371 \@chnum
372 \if \@nextchar m\thr@@ \else
373 \if \@nextchar p4 \else
374 \if \@nextchar b5 \else
375 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
376 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
377 \def\@tabular{%
378 \leavevmode
379 \hbox \bgroup\if@RTLtab\beginR \fi
380 \UseTaggingSocket{tbl/hmode/begin}%
381 $\col@sep\tabcolsep \let\d@llarbegin\beginR
382 \let\d@llarend\endR
383 \@tabarray}
384 \def\endtabular{\endarray\m@th $
385 \UseTaggingSocket{tbl/hmode/end}%
386 \if@RTLtab\endR\fi\egroup
387 }
388 \expandafter\let\csname endtabular*\endcsname=\endtabular
389 \ExplSyntaxOn
390 \def\@array[#1]#2{
391 \@tempdima \ht \strutbox
392 \advance \@tempdima by\extrarowheight
393 \setbox \@arstrutbox \hbox{\vrule
394 \@height \arraystretch \@tempdima
395 \@depth \arraystretch \dp \strutbox
396 \@width \z@}%
397 \tbl_save_outer_table_cols:
398 \beginR
399 \mkpream{#2}%
400 \tbl_count_table_cols:
401 \xdef\@preamble{
402 \noexpand \ar@ialign
403 \@halignto
404 \bgroup \@arstrut
405 \UseTaggingSocket{tbl/row/begin}
406 \tbl_init_cell_data_for_row:
407 \@preamble
408 \tabskip \z@ \cr}
409 \endR

```



```

410 \@arrayleft
411 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
412 \bgroup
413 \let \@sharp ##\let \protect \relax
414 \lineskip \z@
415 \baselineskip \z@
416 \mathsurround \z@
417 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty
418 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
419 \UseTaggingSocket{tbl/init}
420 \@preamble
421 }
422 \ExplSyntaxOff
423 \let\@array\@array
424 \ExplSyntaxOn
425 \def\endarray {
426 \tbl_crcr:n{endarray} \egroup
427 \UseTaggingSocket{tbl/finalize}
428 \tbl_restore_outer_cell_data:
429 \if@RTLtab\egroup\endR\egroup\fi
430 \egroup
431 \@arrayright \gdef\@preamble{}}%
432 }
433 \ExplSyntaxOff
434 \def\array{\col@sep\arraycolsep
435 \def\d@llarbegin{${}\let\d@llarend\d@llarbegin\def\@halignto{}}%
436 \@RTLtabfalse\@tabarray}

```

## 9 File article-xetex-bidi.def

```

437 \ProvidesFile{article-xetex-bidi.def}[2024/12/07 v0.7 bidi adaptations for standard article
438 \if@titlepage
439 \renewcommand\maketitle{\begin{titlepage}%
440 \let\footnotesize\small
441 \let\right@footnoterule\relax
442 \let\left@footnoterule\relax
443 \let\textwidth@footnoterule\relax
444 \let \footnote \thanks
445 \let \LTRfootnote \LTRthanks
446 \let \RTLfootnote \RTLthanks
447 \null\vfil
448 \vskip 60\p@
449 \begin{center}%
450 {\LARGE \@title \par}%
451 \vskip 3em%
452 {\large
453 \lineskip .75em%
454 \begin{tabular}[t]{c}%
455 \@author
456 \end{tabular}\par}%
457 \vskip 1.5em%
458 {\large \@date \par}% % Set date in \large size.
459 \end{center}\par
460 \@thanks

```



```

461 \vfil\null
462 \end{titlepage}%
463 \setcounter{footnote}{0}%
464 \global\let\thanks\relax
465 \global\let\LTRthanks\relax
466 \global\let\RTLthanks\relax
467 \global\let\maketitle\relax
468 \global\let\@thanks\@empty
469 \global\let\@author\@empty
470 \global\let\@date\@empty
471 \global\let\@title\@empty
472 \global\let\title\relax
473 \global\let\author\relax
474 \global\let\date\relax
475 \global\let\and\relax
476 }
477 \else
478 \renewcommand\maketitle{\par
479 \begingroup
480 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
481 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
482 \long\def\@makefntext##1{\parindent 1em\noindent
483 \hb@xt@1.8em{%
484 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
485 \iftwocolumn
486 \ifnum \col@number=\@one
487 \@maketitle
488 \else
489 \twocolumn[\@maketitle]%
490 \fi
491 \else
492 \newpage
493 \global\@topnum\z@ % Prevents figures from going at top of page.
494 \@maketitle
495 \fi
496 \thispagestyle{plain}\@thanks
497 \endgroup
498 \setcounter{footnote}{0}%
499 \global\let\thanks\relax
500 \global\let\LTRthanks\relax
501 \global\let\RTLthanks\relax
502 \global\let\maketitle\relax
503 \global\let\@maketitle\relax
504 \global\let\@thanks\@empty
505 \global\let\@author\@empty
506 \global\let\@date\@empty
507 \global\let\@title\@empty
508 \global\let\title\relax
509 \global\let\author\relax
510 \global\let\date\relax
511 \global\let\and\relax
512 }
513 \def\@maketitle{%
514 \newpage

```



```

515 \null
516 \vskip 2em%
517 \begin{center}%
518 \let \footnote \thanks
519 \let \LTRfootnote \LTRthanks
520 \let \RTLfootnote \RTLthanks
521 {\LARGE \@title \par}%
522 \vskip 1.5em%
523 {\large
524 \lineskip .5em%
525 \begin{tabular}[t]{c}%
526 \@author
527 \end{tabular}\par}%
528 \vskip 1em%
529 {\large \@date}%
530 \end{center}%
531 \par
532 \vskip 1.5em}
533 \fi
534 \renewcommand*\l@part[2]{%
535 \ifnum \c@tocdepth >-2\relax
536 \addpenalty\secpenalty
537 \addvspace{2.25em \@plus\p@}%
538 \setlength\@tempdima{3em}%
539 \begingroup
540 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
541 \parfillskip -\@pnumwidth
542 {\leavevmode
543 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
544 \nobreak
545 \if@compatibility
546 \global\@nobreaktrue
547 \everypar{\global\@nobreakfalse\everypar{}}%
548 \fi
549 \endgroup
550 \fi}
551 \renewcommand*\l@section[2]{%
552 \ifnum \c@tocdepth >\z@
553 \addpenalty\secpenalty
554 \addvspace{1.0em \@plus\p@}%
555 \setlength\@tempdima{1.5em}%
556 \begingroup
557 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
558 \parfillskip -\@pnumwidth
559 \leavevmode \bfseries
560 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
561 \hskip -\if@RTL\rightskip\else\leftskip\fi
562 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
563 \endgroup
564 \fi}
565 \renewcommand\left@footnoterule{%
566 \kern-3\p@
567 \hrule\@width.4\columnwidth
568 \kern2.6\p@}

```





```

569 \renewcommand\right@footnoterule{%
570   \kern-3\p@
571   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
572   \kern2.6\p@}
573 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\c@subsection}
574 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
575 \renewcommand\theparagraph   {\thesubsubsection\@SepMark\@arabic\c@paragraph}
576 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
577 \def\@part[#1]#2{%
578   \ifnum \c@secnumdepth >\m@ne
579     \refstepcounter{part}%
580     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
581   \else
582     \addcontentsline{toc}{part}{#1}%
583   \fi
584   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
585   \interlinepenalty \@M
586   \normalfont
587   \ifnum \c@secnumdepth >\m@ne
588     \Large\bfseries \partname\nobreakspace\thepart
589     \par\nobreak
590   \fi
591   \huge \bfseries #2%
592   \markboth{}{\par}%
593   \nobreak
594   \vskip 3ex
595   \@afterheading}
596 \bidi@patchcmd\@spart\raggedright{%
597   \if@RTL\raggedleft\else\raggedright\fi
598 }{}{\bidi@warningnoline[Oops! patching `string\@spart' failed]}
599 \renewenvironment{thebibliography}[1]
600   {\section*\refname}%
601   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
602   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
603   \bidi@@thebibliography@font@hook%
604   \list{\@biblabel{\@arabic\c@enumiv}}%
605     {\settowidth\labelwidth{\@biblabel{#1}}%
606     \leftmargin\labelwidth
607     \advance\leftmargin\labelsep
608     \@openbib@code
609     \usecounter{enumiv}%
610     \let\p@enumiv\@empty
611     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
612   \sloppy
613   \clubpenalty4000
614   \@clubpenalty \clubpenalty
615   \widowpenalty4000%
616   \sfcode\.\@m}
617   {\def\@noitemerr
618     {\@latex@warning{Empty `thebibliography' environment}}}%
619   \endlist}
620 \renewenvironment{theindex}
621   {\if@twocolumn
622     \@restonecolfalse

```



```

623         \else
624             \@restonecoltrue
625         \fi
626         \columnseprule \z@
627         \columnsep 35\p@
628         \twocolumn[\section*{\indexname}]%
629         \@mkboth{\MakeUppercase\indexname}%
630             {\MakeUppercase\indexname}%
631         \thispagestyle{plain}\parindent\z@
632         \parskip\z@ \@plus .3\p@\relax
633         \let\item\@idxitem}
634     {\if@restonecol\onecolumn\else\clearpage\fi}

```

## 10 File artikel1-xetex-bidi.def

```

635 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class f
636 \renewenvironment{theindex}{%
637     \if@twocolumn
638         \@restonecolfalse
639     \else
640         \@restonecoltrue
641     \fi
642     \columnseprule \z@
643     \columnsep 35\p@
644     \twocolumn[\section*{\indexname}]%
645     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
646     \thispagestyle{plain}\parindent\z@
647     \parskip\z@ \@plus .3\p@\relax
648     \let\item\@idxitem
649 }{%
650     \if@restonecol\onecolumn\else\clearpage\fi}
651 \renewcommand*\head@style{%
652     \interlinepenalty \@M
653     \hyphenpenalty=\@M \exhyphenpenalty=\@M
654     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
655 \if@titlepage
656     \renewenvironment{abstract}{%
657         \titlepage
658         \null\vfil
659         \section*{\SectFont\abstractname}
660         \noindent\ignorespaces}
661     {\par\vfil\null\endtitlepage}
662 \else
663     \renewenvironment{abstract}{%
664         \if@twocolumn
665             \section*{\abstractname}%
666         \else
667             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
668             \section*{\small\SectFont\abstractname}%
669             \noindent\ignorespaces
670         \fi}
671     {\if@twocolumn\else\par\egroup\fi}
672 \fi
673 \renewcommand*\@regtocline[3]{%

```



```

674 \ifnum #1>\c@tocdepth
675 \else
676   \vskip\z@\@plus.2\p@
677   {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
678   \if@RTL\righskip\else\leftskip\fi\unitindent
679   \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
680   \parfillskip\z@
681   \@tempdima\unitindent
682   \parindent\z@
683   \leavevmode
684   \hbox{ }\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
685   \hskip 1em \nobreak{\slshape #3}\par
686   }%
687 \fi}
688 \if@oldtoc
689 \renewcommand*\l@part[2]{%
690 \ifnum \c@tocdepth >-2\relax
691   \addpenalty\@secpenalty
692   \addvspace{2.25em \@plus\p@}%
693   \begingroup
694     \setlength\@tempdima{3em}%
695     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
696     \parfillskip -\@pnumwidth
697     {\leavevmode
698     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
699     \nobreak
700     \if@compatibility
701     \global\@nobreaktrue
702     \everypar{\global\@nobreakfalse\everypar{}}%
703     \fi
704   \endgroup
705 \fi}
706 \else
707 \renewcommand*\l@part{%
708 \ifnum \c@tocdepth >-2\relax
709   \addpenalty\@secpenalty
710   \addvspace{2.25em \@plus \p@}%
711   \@regtocline{0}%
712 \fi}
713 \fi
714 \if@oldtoc
715 \renewcommand*\l@section[2]{%
716   \addpenalty\@secpenalty
717   \addvspace{1.0em \@plus\p@}%
718   \setlength\@tempdima{1.5em}%
719   \begingroup
720   \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
721   \parfillskip -\@pnumwidth
722   \leavevmode \bfseries
723   \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
724   \hskip -\if@RTL\righskip\else\leftskip\fi
725   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
726   \endgroup}
727 \else

```



```

728 \renewcommand*\l@section{\@regtocline{1}}
729 \fi
730 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
731 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
732 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
733 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
734 \renewenvironment{thebibliography}[1]
735   {\section*\refname}%
736   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
737   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
738   \bidi@thebibliography@font@hook%
739   \list{\@biblabel{\@arabic\c@enumiv}}%
740     {\settowidth\labelwidth{\@biblabel{#1}}%
741     \leftmargin\labelwidth
742     \advance\leftmargin\labelsep
743     \@openbib@code
744     \usecounter{enumiv}%
745     \let\p@enumiv\@empty
746     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
747   \sloppy\clubpenalty4000\widowpenalty4000%
748   \sfcode\.\@m}
749   {\def\@noitemerr
750     {\@latex@warning{Empty `thebibliography' environment}}}%
751   \endlist}
752 \renewcommand*\left@footnoterule{%
753   \kern-3\p@
754   \kern.5\baselineskip
755   \hrule\@width\unitindent
756   \kern.4\baselineskip
757 }
758 \renewcommand*\right@footnoterule{%
759   \kern-3\p@
760   \kern.5\baselineskip
761   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
762   \kern.4\baselineskip}
763 \if@titlepage
764 \renewcommand*\TitleFont{\rmfamily}
765 \renewcommand*\maketitle{%
766   \begin{titlepage}%
767     \let\footnotesize\small
768     \let\right@footnoterule\relax
769     \let\left@footnoterule\relax
770     \let\textwidth@footnoterule\relax
771     \let \footnote \thanks
772     \long\def\@makefnctext##1{\parindent\z@
773       \def\labelitemi{\textendash}\@revlabeltrue
774       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
775     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
776     \if@compatibility\setcounter{page}{0}\fi
777     \null\vfil
778     \vskip 60\p@
779     \begin{center}%
780       \TitleFont
781       {\LARGE \def\{\penalty -\@M}

```



```

782     \if@allcaps
783         \expandafter\uc@nothanks\@title\thanks\relax
784     \else
785         \@title
786     \fi\par}%
787 \vskip 3em%
788 {\large
789     \lineskip .75em \parindent\z@
790     \begin{tabular}[t]{c}%
791         \if@allcaps
792             \expandafter\uc@authornothanks\@author\and\relax
793         \else
794             \@author
795         \fi
796     \end{tabular}\par}%
797 \vskip 1.5em%
798 {\large
799     \if@allcaps
800         \uppercase\expandafter{\@date}%
801     \else
802         \@date
803     \fi\par}%
804 \end{center}\par
805 \@thanks
806 \vfil\null
807 \end{titlepage}%
808 \setcounter{footnote}{0}%
809 \global\let\thanks\relax
810 \global\let\maketitle\relax
811 \global\let\@thanks\@empty
812 \global\let\@author\@empty
813 \global\let\@title\@empty
814 \global\let\@date\@empty
815 \global\let\title\relax
816 \global\let\author\relax
817 \global\let\date\relax
818 \global\let\and\relax
819 }
820 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
821 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
822     \futurelet\@tempa\uc@ax}
823 \def\uc@ax{%
824     \ifx\@tempa\relax
825     \else
826         \ \andname \ \ \expandafter\uc@authornothanks
827     \fi}
828 \def\uc@tx{\ifx\@tempa\relax
829     \else \expandafter\uc@ty \fi}
830 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
831 \else
832 \renewcommand*\maketitle{\par
833     \begin{group
834         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
835         \def\@makefnmark{\rlap{%

```



```

836     \@textsuperscript{\normalfont\@thefnmark}}}%
837 \long\def\@makefntext{\@xmakefntext{%
838     \@textsuperscript{\normalfont\@thefnmark}}}%
839 \if@twocolumn
840     \ifnum \col@number=\@ne
841         \@maketitle
842     \else
843         \twocolumn[\@maketitle]%
844     \fi
845 \else
846     \newpage
847     \global\@topnum\z@
848     \@maketitle
849 \fi
850 \thispagestyle{plain}\@thanks
851 \endgroup
852 \setcounter{footnote}{0}%
853 \global\let\thanks\relax
854 \global\let\maketitle\relax
855 \global\let\@maketitle\relax
856 \global\let\@thanks\@empty
857 \global\let\@author\@empty
858 \global\let\@title\@empty
859 \global\let\@date\@empty
860 \global\let\title\relax
861 \global\let\author\relax
862 \global\let\date\relax
863 \global\let\and\relax
864 }
865 \def\@maketitle{%
866     \newpage
867     \null
868     \vskip 2em%
869     \begin{center}%
870         \let \footnote \thanks
871         {\LARGE \TitleFont \@title \par}%
872         \vskip 1.5em%
873         {\large \TitleFont
874             \lineskip .5em%
875             \begin{tabular}[t]{c}%
876                 \@author
877             \end{tabular}\par}%
878         \vskip 1em%
879         {\large \TitleFont \@date}%
880     \end{center}%
881     \par
882     \vskip 1.5em}
883 \fi

```

## 11 File artikel2-xetex-bidi.def

```

884 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class f
885 \renewenvironment{theindex}{%
886     \if@twocolumn

```



```

887 \@restonecolfalse
888 \else
889 \@restonecoltrue
890 \fi
891 \columnseprule \z@
892 \columnsep 35\p@
893 \twocolumn[\section*{\indexname}]%
894 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
895 \thispagestyle{plain}\parindent\z@
896 \parskip\z@ \@plus .3\p@\relax
897 \let\item\@idxitem
898 }{%
899 \if@restonecol\onecolumn\else\clearpage\fi}
900 \renewcommand*\@regtocline[3]{%
901 \ifnum #1>\c@tocdepth
902 \else
903 \vskip\z@\@plus.2\p@
904 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
905 \ifRTL\righskip\else\leftskip\fi\unitindent
906 \ifRTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
907 \parfillskip\z@
908 \@tempdima\unitindent
909 \advance\@tempdima by \othermargin
910 \parindent\z@
911 \leavevmode
912 \hbox{\hskip -\ifRTL\righskip\else\leftskip\fi\relax#2\nobreak
913 \hskip 1em \nobreak{\slshape #3}\par
914 }%
915 \fi}
916 \if@oldtoc
917 \renewcommand*\l@section[2]{%
918 \addpenalty\@secpenalty
919 \addvspace{1.0em \@plus\p@}%
920 \setlength\@tempdima{1.5em}%
921 \begingroup
922 \parindent \z@ \ifRTL\leftskip\else\righskip\fi \@pnumwidth
923 \parfillskip -\@pnumwidth
924 \leavevmode \bfseries
925 \advance\ifRTL\righskip\else\leftskip\fi\@tempdima
926 \hskip -\ifRTL\righskip\else\leftskip\fi
927 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
928 \endgroup}
929 \else
930 \renewcommand*\l@section{\@regtocline{1}}
931 \fi
932 \if@oldtoc
933 \renewcommand*\l@part[2]{%
934 \ifnum \c@tocdepth >-2\relax
935 \addpenalty\@secpenalty
936 \addvspace{2.25em \@plus\p@}%
937 \begingroup
938 \setlength\@tempdima{3em}%
939 \parindent \z@ \ifRTL\leftskip\else\righskip\fi \@pnumwidth
940 \parfillskip -\@pnumwidth

```



```

941     {\leavevmode
942     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
943     \nobreak
944     \if@compatibility
945     \global\@nobreaktrue
946     \everypar{\global\@nobreakfalse\everypar{}}%
947     \fi
948   \endgroup
949 \fi}
950 \else
951   \renewcommand*\l@part{%
952     \ifnum \c@tocdepth >-2\relax
953     \addpenalty\@secpenalty
954     \advspace{2.25em \@plus \p@}%
955     \@regtocline{0}%
956   \fi}
957 \fi
958 \renewcommand*\head@style{%
959   \interlinepenalty \@M
960   \hyphenpenalty=\@M \exhyphenpenalty=\@M
961   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
962 \if@titlepage
963   \renewenvironment{abstract}{%
964     \titlepage
965     \null\vfil
966     \section*\SectFont\abstractname}%
967     \noindent\ignorespaces}
968     {\par\vfil\null\endtitlepage}
969 \else
970   \renewenvironment{abstract}{%
971     \if@twocolumn
972     \section*\{abstractname}%
973     \else
974     \section*{\hskip\unitindent\small\SectFont\abstractname}%
975     \list{}{\setlength\listparindent{\unitindent}%
976       \setlength\parindent {\z@}%
977       \setlength\leftmargin {\unitindent}%
978       \setlength\rightmargin {\unitindent}%
979       \setlength\parsep {\z@}}%
980     \item[]%
981     \fi}
982     {\if@twocolumn\else\par\endlist\fi}
983 \fi
984 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
985 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
986 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
987 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
988 \renewcommand*\left@footnoterule{%
989   \kern-3\p@
990   \hrule\@width 3\unitindent
991   \kern 2.6\p@
992 }
993 \renewcommand*\right@footnoterule{%
994   \kern-3\p@

```





```

995 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
996 \kern 2.6\p@}
997 \renewenvironment{thebibliography}[1]
998   {\section*{\refname}%
999    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1000   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1001   \bidi@thebibliography@font@hook%
1002   \list{\@biblabel{\@arabic\c@enumiv}}%
1003     {\settowidth\labelwidth{\@biblabel{#1}}%
1004     \leftmargin\labelwidth
1005     \advance\leftmargin\labelsep
1006     \@openbib@code
1007     \usecounter{enumiv}%
1008     \let\p@enumiv\@empty
1009     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1010   \sloppy\clubpenalty4000\widowpenalty4000%
1011   \sfcode\.\@m}
1012   {\def\@noitemerr
1013    {\@latex@warning{Empty `thebibliography' environment}}}%
1014   \endlist}
1015 \if@titlepage
1016 \renewcommand*{\TitleFont{\rmfamily}}
1017 \renewcommand*{\maketitle}{%
1018 \begin{titlepage}%
1019   \let\footnotesize\small
1020   \let\right@footnoterule\relax
1021   \let\left@footnoterule\relax
1022   \let\textwidth@footnoterule\relax
1023   \let \footnote \thanks
1024   \long\def\@makefntext##1{\parindent\z@
1025     \def\labelitemi{\textendash}\@revlabeltrue
1026     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1027   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1028   \if@compatibility\setcounter{page}{0}\fi
1029   \null\vfil
1030   \vskip 60\p@
1031   \begin{center}%
1032     \TitleFont
1033     {\LARGE \def\{\{\penalty -\@M}
1034     \if@allcaps
1035       \expandafter\uc@nothanks\@title\thanks\relax
1036     \else
1037       \@title
1038     \fi\par}%
1039   \vskip 3em%
1040   {\large
1041     \lineskip .75em \parindent\z@
1042     \begin{tabular}[t]{c}%
1043       \if@allcaps
1044         \expandafter\uc@authornothanks\@author\and\relax
1045       \else
1046         \@author
1047       \fi
1048     \end{tabular}\par}%

```



```

1049     \vskip 1.5em%
1050     {\large
1051     \if@allcaps
1052     \uppercase\expandafter{\@date}%
1053     \else
1054     \@date
1055     \fi\par}%
1056     \end{center}\par
1057     \@thanks
1058     \vfil\null
1059 \end{titlepage}%
1060 \setcounter{footnote}{0}%
1061 \global\let\thanks\relax
1062 \global\let\maketitle\relax
1063 \global\let\@thanks\@empty
1064 \global\let\@author\@empty
1065 \global\let\@title\@empty
1066 \global\let\@date\@empty
1067 \global\let\title\relax
1068 \global\let\author\relax
1069 \global\let\date\relax
1070 \global\let\and\relax
1071 }
1072 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1073 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1074     \futurelet\@tempa\uc@ax}
1075 \def\uc@ax{%
1076     \ifx\@tempa\relax
1077     \else
1078     \ \andname \ \ \expandafter\uc@authornothanks
1079     \fi}
1080 \def\uc@tx{\ifx\@tempa\relax
1081     \else \expandafter\uc@ty \fi}
1082 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1083 \else
1084 \renewcommand*\maketitle{\par
1085     \begingroup
1086     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1087     \long\def\@makefntext##1{\parindent\z@
1088     \def\labelitemi{\textendash}%
1089     \leavevmode\hb@xt@.5\unitindent{%
1090     \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1091     \if@twocolumn
1092     \ifnum \col@number=\@ne
1093     \@maketitle
1094     \else
1095     \twocolumn[\@maketitle]%
1096     \fi
1097     \else
1098     \newpage
1099     \global\@topnum\z@
1100     \@maketitle
1101     \fi
1102     \thispagestyle{plain}\@thanks

```



```

1103 \endgroup
1104 \setcounter{footnote}{0}%
1105 \global\let\thanks\relax
1106 \global\let\maketitle\relax
1107 \global\let\@maketitle\relax
1108 \global\let\@thanks\@empty
1109 \global\let\@author\@empty
1110 \global\let\@title\@empty
1111 \global\let\@date\@empty
1112 \global\let\title\relax
1113 \global\let\author\relax
1114 \global\let\date\relax
1115 \global\let\and\relax
1116 }
1117 \def\@maketitle{%
1118 \newpage
1119 \null
1120 \vskip 2em%
1121 \begin{center}%
1122 \let \footnote \thanks
1123 {\LARGE \TitleFont \@title \par}%
1124 \vskip 1.5em%
1125 {\large \TitleFont
1126 \lineskip .5em%
1127 \begin{tabular}[t]{c}%
1128 \@author
1129 \end{tabular}\par}%
1130 \vskip 1em%
1131 {\large \TitleFont \@date}%
1132 \end{center}%
1133 \par
1134 \vskip 1.5em}
1135 \fi

```

## 12 File artikel3-xetex-bidi.def

```

1136 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class f
1137 \renewenvironment{theindex}{%
1138 \if@twocolumn
1139 \@restonecolfalse
1140 \else
1141 \@restonecoltrue
1142 \fi
1143 \columnseprule \z@
1144 \columnsep 35\p@
1145 \twocolumn[\section*{\indexname}]%
1146 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1147 \thispagestyle{plain}\parindent\z@
1148 \parskip\z@ \@plus .3\p@\relax
1149 \let\item\@idxitem
1150 }{%
1151 \if@restonecol\onecolumn\else\clearpage\fi}
1152 \renewcommand*\head@style{%
1153 \interlinepenalty \OM

```



```

1154 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1155 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1156 \renewcommand*\@regtocoline[3]{%
1157 \ifnum #1>\c@tocdepth
1158 \else
1159 \vskip\z@\@plus.2\p@
1160 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1161 \if@RTL\rightskip\else\leftskip\fi\unitindent
1162 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1163 \parfillskip\z@
1164 \@tempdima\unitindent
1165 \parindent\z@
1166 \leavevmode
1167 \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1168 \hskip 1em \nobreak{\slshape #3}\par
1169 }%
1170 \fi}
1171 \if@oldtoc
1172 \renewcommand*\l@part[2]{%
1173 \ifnum \c@tocdepth >-2\relax
1174 \addpenalty\@secpenalty
1175 \addvspace{2.25em \@plus\p@}%
1176 \begingroup
1177 \setlength\@tempdima{3em}%
1178 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1179 \parfillskip -\@pnumwidth
1180 {\leavevmode
1181 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1182 \nobreak
1183 \if@compatibility
1184 \global\@nobreaktrue
1185 \everypar{\global\@nobreakfalse\everypar{}}%
1186 \fi
1187 \endgroup
1188 \fi}
1189 \else
1190 \renewcommand*\l@part{%
1191 \ifnum \c@tocdepth >-2\relax
1192 \addpenalty\@secpenalty
1193 \addvspace{2.25em \@plus \p@}%
1194 \@regtocoline{0}%
1195 \fi}
1196 \fi
1197
1198 \if@oldtoc
1199 \renewcommand*\l@section[2]{%
1200 \addpenalty\@secpenalty
1201 \addvspace{1.0em \@plus\p@}%
1202 \setlength\@tempdima{1.5em}%
1203 \begingroup
1204 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1205 \parfillskip -\@pnumwidth
1206 \leavevmode \bfseries
1207 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```



```

1208 \hskip -\if@RTL\righskip\else\leftskip\fi
1209 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1210 \endgroup}
1211 \else
1212 \renewcommand*\l@section{\@regtocline{1}}
1213 \fi
1214 \if@titlepage
1215 \renewenvironment{abstract}{%
1216 \titlepage
1217 \null\vfil
1218 \section*\SectFont\abstractname}%
1219 \noindent\ignorespaces}
1220 {\par\vfil\null\endtitlepage}
1221 \else
1222 \renewenvironment{abstract}{%
1223 \if@twocolumn
1224 \section*\abstractname}%
1225 \else
1226 \bgroup\if@RTL\leftskip\else\righskip\fi=\unitindent
1227 \section*\small\SectFont\abstractname}%
1228 \noindent\ignorespaces
1229 \fi}
1230 {\if@twocolumn\else\par\egroup\fi}
1231 \fi
1232 \renewcommand*\left@footnoterule{%
1233 \kern-3\p@
1234 \kern.5\baselineskip
1235 \hrule\@width\unitindent
1236 \kern.4\baselineskip
1237 }
1238 \renewcommand*\right@footnoterule{%
1239 \kern-3\p@
1240 \kern.5\baselineskip
1241 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1242 \kern.4\baselineskip}
1243 \renewcommand*\thesubsection{\thesubsection\@SepMark\@arabic\c@subsection}
1244 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1245 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1246 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1247 \renewenvironment{thebibliography}[1]
1248 {\section*\refname}%
1249 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1250 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1251 \bidi\@thebibliography@font@hook%
1252 \list{\@biblabel{\@arabic\c@enumiv}}%
1253 {\settowidth\labelwidth{\@biblabel{#1}}%
1254 \leftmargin\labelwidth
1255 \advance\leftmargin\labelsep
1256 \@openbib@code
1257 \usecounter{enumiv}%
1258 \let\p@enumiv\@empty
1259 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1260 \sloppy\clubpenalty4000\widowpenalty4000%
1261 \sfcode\.\@m}

```



```

1262     {\def\@noitemerr
1263       {\@latex@warning{Empty `thebibliography' environment}}}%
1264       \endlist}
1265 \if@titlepage
1266 \renewcommand*{\TitleFont{\rmfamily}
1267 \renewcommand*{\maketitle{%
1268   \begin{titlepage}%
1269     \let\footnotesize\small
1270     \let\right@footnoterule\relax
1271     \let\left@footnoterule\relax
1272     \let\textwidth@footnoterule\relax
1273     \let \footnote \thanks
1274     \long\def\@makefnintext##1{\parindent\z@
1275       \def\labelitemi{\textendash}\@revelabeltrue
1276       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1277     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1278     \if@compatibility\setcounter{page}{0}\fi
1279     \null\vfil
1280     \vskip 60\p@
1281     \begin{center}%
1282       \TitleFont
1283       {\LARGE \def\{\penalty -\@M}
1284         \if@allcaps
1285           \expandafter\uc@nothanks\@title\thanks\relax
1286         \else
1287           \@title
1288         \fi\par}%
1289       \vskip 3em%
1290       {\large
1291         \lineskip .75em \parindent\z@
1292         \begin{tabular}[t]{c}%
1293           \if@allcaps
1294             \expandafter\uc@authornothanks\@author\and\relax
1295           \else
1296             \@author
1297           \fi
1298         \end{tabular}\par}%
1299       \vskip 1.5em%
1300       {\large
1301         \if@allcaps
1302           \uppercase\expandafter{\@date}%
1303         \else
1304           \@date
1305         \fi\par}%
1306       \end{center}\par
1307       \@thanks
1308       \vfil\null
1309     \end{titlepage}%
1310     \setcounter{footnote}{0}%
1311     \global\let\thanks\relax
1312     \global\let\maketitle\relax
1313     \global\let\@thanks\@empty
1314     \global\let\@author\@empty
1315     \global\let\@title\@empty

```



```

1316 \global\let\@date\@empty
1317 \global\let\title\relax
1318 \global\let\author\relax
1319 \global\let\date\relax
1320 \global\let\and\relax
1321 }
1322 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1323 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1324 \futurelet\@tempa\uc@ax}
1325 \def\uc@ax{%
1326 \ifx\@tempa\relax
1327 \else
1328 \ \andname \ \expandafter\uc@authornothanks
1329 \fi}
1330 \def\uc@tx{\ifx\@tempa\relax
1331 \else \expandafter\uc@ty \fi}
1332 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1333 \else
1334 \renewcommand*\maketitle{\par
1335 \begingroup
1336 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1337 \def\@makefnmark{\rlap{%
1338 \@textsuperscript{\normalfont\@thefnmark}}}%
1339 \long\def\@makefntext{\@xmakefntext{%
1340 \@textsuperscript{\normalfont\@thefnmark}}}%
1341 \if@twocolumn
1342 \ifnum \col@number=\@ne
1343 \@maketitle
1344 \else
1345 \twocolumn[\@maketitle]%
1346 \fi
1347 \else
1348 \newpage
1349 \global\@topnum\z@
1350 \@maketitle
1351 \fi
1352 \thispagestyle{plain}\@thanks
1353 \endgroup
1354 \setcounter{footnote}{0}%
1355 \global\let\thanks\relax
1356 \global\let\maketitle\relax
1357 \global\let\@maketitle\relax
1358 \global\let\@thanks\@empty
1359 \global\let\@author\@empty
1360 \global\let\@title\@empty
1361 \global\let\@date\@empty
1362 \global\let\title\relax
1363 \global\let\author\relax
1364 \global\let\date\relax
1365 \global\let\and\relax
1366 }
1367 \def\@maketitle{%
1368 \newpage
1369 \null

```



```

1370 \vskip 2em%
1371 \if@titlecentered
1372 \begin{center}%
1373 \let \footnote \thanks
1374 {\LARGE \TitleFont \@title \par}%
1375 \vskip 1.5em%
1376 {\large \TitleFont
1377 \lineskip .5em%
1378 \begin{tabular}[t]{c}%
1379 \@author
1380 \end{tabular}\par}%
1381 \vskip 1em%
1382 {\large \TitleFont \@date}%
1383 \end{center}%
1384 \else
1385 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1386 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1387 \def\and{%% \begin{tabular} has already started
1388 \end{tabular}\hskip 1em plus .17fil
1389 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular}
1390 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}
1391 \vskip 1em {\large \TitleFont \@date}
1392 \fi
1393 \par
1394 \vskip 1.5em}
1395 \fi

```

### 13 File arydshln-xetex-bidi.def

```

1396 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1397 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1398 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1399 \expandafter\let\csname endtabular*\endcsname\endtabular
1400 \let\adl@array\@array
1401 \def\@array{\adl@everyvbox\everyvbox
1402 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1403 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1404 \let\adl@noalign\noalign
1405 \adl@array}
1406 \ifadl@usingarypkg
1407 \def\@testpach{\@chclass
1408 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1409 \ifnum \@lastchclass=7 5 \else
1410 \ifnum \@lastchclass=8 \tw@ \else
1411 \ifnum \@lastchclass=9 \thr@@
1412 \else \z@
1413 \ifnum \@lastchclass = 10 \else
1414 \edef\@nextchar{\expandafter\string\@nextchar}%
1415 \@chnum
1416 \if \@nextchar c\z@ \else
1417 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1418 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1419 \z@ \@chclass
1420 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else

```





```

1421 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1422 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1423 \if \@nextchar !6 \else
1424 \if \@nextchar @7 \else
1425 \if \@nextchar <8 \else
1426 \if \@nextchar >9 \else
1427 10
1428 \@chnum
1429 \if \@nextchar m\thr@@\else
1430 \if \@nextchar p4 \else
1431 \if \@nextchar b5 \else
1432 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1433 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1434
1435 \def\@classz{\@classx
1436 \@tempcnta \count@
1437 \prepnext@tok
1438 \@addtopreamble{\ifcase \@chnum
1439 \hfil
1440 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1441 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1442 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1443 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1444 \adl@endmbox\or
1445 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1446 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1447 \fi}\prepnext@tok}
1448 \def\adl@class@start{4}
1449 \def\adl@class@iiiorvii{7}
1450
1451 \else
1452 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1453 \ifnum \@lastchclass=\thr@@ 5\relax \else
1454 \z@ \if #1c\chnum \z@ \else
1455 \if \ifRTLTtab#1r\else#1l\fi\@chnum \@ne \else
1456 \if \ifRTLTtab#1l\else#1r\fi\@chnum \tw@ \else
1457 \@chclass
1458 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1459 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1460 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1461 \if #1@\tw@ \else
1462 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1463 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1464
1465 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1466 \or \or \@addamp \or
1467 \@acolampacol \or \@firstampfalse \@acol \fi
1468 \edef\@preamble{\@preamble
1469 \ifcase \@chnum
1470 \hfil\adl@putlrc{\$}\relax\@sharp$\}\hfil
1471 \or \adl@putlrc{\$}\relax\@sharp$\}\hfil
1472 \or \hfil\adl@putlrc{\$}\relax\@sharp$\}\fi}}
1473 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1474 \or \or \@addamp \or

```



```

1475         \acolampacol \or \@firstampfalse \acol \fi
1476     \edef\@preamble{\@preamble
1477     \ifcase \@chnum
1478         \hfil\adl@putlrc{\@sharp\unskip}\hfil
1479         \or \adl@putlrc{\@sharp\unskip}\hfil
1480         \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1481 \def\adl@class@start{6}
1482 \def\adl@class@iiiorvii{3}
1483 \fi
1484 \ifpackageloaded{colortbl}{%
1485 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1486 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1487     \let\@endpbox\adl@org@endpbox}
1488 \let\adl@CT@setup\CT@setup
1489 \def\CT@setup{\adl@CT@setup
1490     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1491     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1492     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1493 \let\adl@act@CT@setup\CT@setup
1494 \def\@classz{\@classx
1495     \@tempcnta\count@ \prepnext@tok
1496     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1497     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1498     \expandafter\adl@extract@drsc
1499     \the\toks\@tempcnta\doublerulesepcolor!\@nil
1500     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1501     \@addtopreamble{\if@RTL\beginL\fi%
1502         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1503         \ifcase \@chnum
1504             \hskip\stretch{.5}\kern\z@
1505             \d@llarbegin
1506             \insert@column
1507             \d@llarend\hskip\stretch{.5}%
1508             \or \d@llarbegin \insert@column \d@llarend \hfill
1509             \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1510             \or $\vcenter
1511                 \@startpbox{\@nextchar}\insert@column \@endpbox $\%
1512             \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1513             \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1514             \fi
1515             \if@RTL\endR\fi\egroup\egroup
1516             \begingroup
1517                 \CT@setup
1518                 \CT@column@color
1519                 \CT@row@color
1520                 \CT@cell@color
1521                 \CT@do@color
1522             \endgroup
1523             \@tempdima\ht\z@
1524             \advance\@tempdima\minrowclearance
1525             \vrule\@height\@tempdima\@width\z@
1526             \unhbox\z@\if@RTL\endL\fi}%
1527     \prepnext@tok}
1528 \let\adl@act@classz\@classz

```



```
1529 \let\adl@org@classz \@classz
1530 }{}
```

## 14 File beamer-xetex-bidi.def

```
1531 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for X
1532 \AtBeginDocument{%
1533   \if@RTLmain
1534     \raggedleft
1535   \else
1536     \raggedright
1537   \fi
1538 }
1539
1540 \renewcommand*{\bidi@beamer@ragged}{%
1541   \if@RTL
1542     \raggedleft
1543   \else
1544     \raggedright
1545   \fi
1546 }
1547
1548
```

## 15 File beamerbaseauxtemplates-xetex-bidi.def

```
1549 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2024/12/20 v0.4 bidi adaptations for be
1550 \bidi@csundef{beamer@tmpop@subsection in toc@sections numbered}
1551
1552 \bidi@csundef{beamer@tmpop@subsubsection in toc@sections numbered}
1553
1554 \bidi@csundef{beamer@tmpop@section in toc@subsections numbered}
1555
1556 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1557
1558 \bidi@csundef{beamer@tmpop@subsubsection in toc@subsections numbered}
1559
1560 \defbeamertemplate{subsection in toc}{sections numbered}
1561 {\leavevmode\bidi@beamer@leftskip=2.5em\inserttocsubsection\par}
1562
1563 \defbeamertemplate{subsubsection in toc}{sections numbered}
1564 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3.5em\usebeame
1565 \inserttocsubsubsection\par}
1566
1567 \defbeamertemplate{section in toc}{subsections numbered}
1568 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsection\par}
1569
1570 \defbeamertemplate{subsection in toc}{subsections numbered}
1571 {\leavevmode\bidi@beamer@leftskip=2em\rlap{\hskip=2em\inserttocsectionnumber.\inserttocsubse
1572
1573 \defbeamertemplate{subsubsection in toc}{subsections numbered}
1574 {\leavevmode\normalsize\usebeamerfont{subsection in
1575   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1576 \inserttocsubsubsection\par}
```



```

1577
1578 \bidi@csundef{beamer@tmpop@section in toc@circle}
1579
1580 \bidi@csundef{beamer@tmpop@subsection in toc@circle}
1581
1582 \bidi@csundef{beamer@tmpop@subsubsection in toc@circle}
1583
1584 \defbeamertemplate{section in toc}{circle}
1585 {\leavevmode\bidi@beamer@leftskip=2ex%
1586  \llap{%
1587   \usebeamerfont*{section number projected}%
1588   \usebeamercolor{section number projected}%
1589   \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1590     \color{bg}
1591     \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1592     \pgfusepath{fill}
1593     \pgftext[base]{\color{fg}\inserttocsectionnumber}
1594   \end{pgfpicture}\kern1.25ex%
1595  }%
1596  \inserttocsection\par}
1597
1598 \defbeamertemplate{subsection in toc}{circle}
1599 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1600
1601 \defbeamertemplate{subsubsection in toc}{circle}
1602 {\leavevmode\normalsize\usebeamerfont{subsection in
1603  toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1604  \inserttocsubsubsection\par}
1605
1606 \bidi@csundef{beamer@tmpop@section in toc@square}
1607
1608 \bidi@csundef{beamer@tmpop@subsection in toc@square}
1609
1610 \bidi@csundef{beamer@tmpop@subsubsection in toc@square}
1611
1612 \bidi@csundef{beamer@tmpop@enumerate item@square}
1613
1614 \bidi@csundef{beamer@tmpop@enumerate subitem@square}
1615
1616 \bidi@csundef{beamer@tmpop@enumerate subsubitem@square}
1617
1618 \bidi@csundef{beamer@tmpop@enumerate mini template@square}
1619
1620 \defbeamertemplate{section in toc}{square}
1621 {\leavevmode\bidi@beamer@leftskip=3ex%
1622  \llap{%
1623   \usebeamerfont*{section number projected}%
1624   \usebeamercolor[bg]{section number projected}%
1625   \if@RTL
1626   \else
1627     \vrule width2.25ex height1.85ex depth.4ex%
1628     \hskip-2.25ex%
1629   \fi
1630   \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}}%

```



```

1631 \if@RTL
1632 \hskip-2.25ex%
1633 \vrule width2.25ex height1.85ex depth.4ex%
1634 \fi
1635 }\kern1.25ex}%
1636 \inserttocsection\par}
1637
1638 \defbeamertemplate{subsection in toc}{square}
1639 {\leavevmode\bidibeamer@leftskip=5ex\llap{%
1640 \usebeamercolor[bg]{subsection number projected}%
1641 \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1642
1643 \defbeamertemplate{subsubsection in toc}{square}
1644 {\leavevmode\normalsize\usebeamerfont{subsection in
1645 toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1646 \llap{%
1647 \usebeamercolor[bg]{subsubsection number projected}%
1648 \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1649
1650 \defbeamertemplate{enumerate item}{square}
1651 {
1652 \hbox{%
1653 \usebeamerfont*{item projected}%
1654 \usebeamercolor[bg]{item projected}%
1655 \if@RTL
1656 \else
1657 \vrule width2.25ex height1.85ex depth.4ex%
1658 \hskip-2.25ex%
1659 \fi
1660 \hbox to2.25ex{%
1661 \hfil%
1662 \color{fg}\insertenumlabel%
1663 \hfil}}%
1664 \if@RTL
1665 \hskip-2.25ex%
1666 \vrule width2.25ex height1.85ex depth.4ex%
1667 \fi
1668 }}%
1669 }
1670 [action]
1671 {\setbeamerfont{item projected}{size=\scriptsize}}
1672
1673 \defbeamertemplate{enumerate subitem}{square}
1674 {
1675 \hbox{%
1676 \usebeamerfont*{subitem projected}%
1677 \usebeamercolor[bg]{subitem projected}%
1678 \if@RTL
1679 \else
1680 \vrule width2.25ex height1.85ex depth.4ex%
1681 \hskip-2.25ex%
1682 \fi
1683 \hbox to2.25ex{%
1684 \hfil%

```



```

1685     \color{fg}\insertsubenumlabel%
1686     \hfil}}%
1687     \if@RTL
1688         \hskip-2.25ex%
1689         \vrule width2.25ex height1.85ex depth.4ex%
1690     \fi
1691 }}%
1692 }
1693
1694 \defbeamerteremplate{enumerate subsubitem}{square}
1695 {
1696     \hbox{%
1697         \usebeamerfont*{subitem projected}%
1698         \usebeamercolor[bg]{subsubitem projected}%
1699         \if@RTL
1700         \else
1701             \vrule width2.25ex height1.85ex depth.4ex%
1702             \hskip-2.25ex%
1703         \fi
1704         \hbox to2.25ex{%
1705             \hfil%
1706             \color{fg}\insertsubsubenumlabel%
1707             \hfil}}%
1708         \if@RTL
1709             \hskip-2.25ex%
1710             \vrule width2.25ex height1.85ex depth.4ex%
1711         \fi
1712     }}%
1713 }
1714
1715 \defbeamerteremplate{enumerate mini template}{square}
1716 {
1717     \hbox{%
1718         \usebeamerfont*{\beameritemnestingprefix item projected}%
1719         \usebeamercolor[bg]{\beameritemnestingprefix item projected}%
1720         \if@RTL
1721         \else
1722             \vrule width2.25ex height1.85ex depth.4ex%
1723             \hskip-2.25ex%
1724         \fi
1725         \hbox to2.25ex{%
1726             \hfil%
1727             \color{fg}\insertenumlabel%
1728             \hfil}}%
1729         \if@RTL
1730             \hskip-2.25ex%
1731             \vrule width2.25ex height1.85ex depth.4ex%
1732         \fi
1733     }}%
1734 }
1735
1736 \bidi\csundef{beamer@tmpop@section in toc@ball unnumbered}
1737
1738 \bidi\csundef{beamer@tmpop@subsection in toc@ball unnumbered}

```



```

1739
1740 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball unnumbered}
1741
1742 \defbeamertemplate{section in toc}{ball unnumbered}
1743 {\leavevmode\bidi@beamer@leftskip=2.25ex%
1744 \llap{%
1745 \raise0.1ex\beamer@usesphere{section number projected}{bigsphere}\kern1.25ex}%
1746 \inserttocsection\par}
1747
1748 \defbeamertemplate{subsection in toc}{ball unnumbered}
1749 {\leavevmode\bidi@beamer@leftskip=5.1ex\llap{%
1750 \raise0.2ex\beamer@usesphere{subsection number projected}{smallsphere}\kern1ex}\inserttoc
1751
1752 \defbeamertemplate{subsubsection in toc}{ball unnumbered}
1753 {\leavevmode\normalsize\usebeamerfont{subsection in
1754 toc}\bidi@beamer@leftskip=8.2ex\usebeamerfont{subsubsection in toc}%
1755 \llap{%
1756 \beamer@usesphere{subsubsection number projected}{smallsphere}\kern0.75ex}\inserttocsub
1757
1758 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1759
1760 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1761
1762 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1763
1764 \defbeamertemplate{section in toc}{ball}
1765 {\leavevmode\bidi@beamer@leftskip=2.75ex%
1766 \llap{%
1767 \normalsize%
1768 \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1769 \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1770 \pgftext{%
1771 \usebeamerfont*{section number projected}%
1772 \usebeamerfont{section number projected}%
1773 \color{fg!90!bg}%
1774 \inserttocsectionnumber}
1775 \end{pgfpicture}%
1776 \kern1.25ex}%
1777 \inserttocsection\par
1778 }
1779 [action]
1780 {\setbeamerfont{section number projected}{size=\scriptsize}}
1781
1782 \defbeamertemplate{subsection in toc}{ball}
1783 {\leavevmode\bidi@beamer@leftskip=5ex%
1784 \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1785 \inserttocsubsection\par%
1786 }
1787
1788 \defbeamertemplate{subsubsection in toc}{ball}
1789 {\leavevmode\normalsize\usebeamerfont{subsection in
1790 toc}\bidi@beamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1791 \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1792 \inserttocsubsubsection\par%

```



```

1793 }
1794
1795 \bidi@csundef{beamer@@tmpop@block begin@rounded}
1796
1797 \bidi@csundef{beamer@@tmpop@block alerted begin@rounded}
1798
1799 \bidi@csundef{beamer@@tmpop@block example begin@rounded}
1800
1801 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1802 {%
1803   \par\vskip\medskipamount%
1804   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1805     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1806     \bidi@beamer@ragged%
1807     \usebeamerfont{block body}%
1808 }
1809
1810 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1811 {%
1812   \par\vskip\medskipamount%
1813   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1814     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1815     \bidi@beamer@ragged%
1816     \usebeamerfont{block body alerted}%
1817 }%
1818
1819 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]
1820 {%
1821   \par\vskip\medskipamount%
1822   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]%
1823     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1824     \bidi@beamer@ragged%
1825     \usebeamerfont{block body example}%
1826 }%
1827
1828 \bidi@csundef{beamer@@tmpop@caption@numbered}
1829
1830 \defbeamertemplate{caption}{numbered}
1831 {%
1832   \leavevmode
1833   \bidi@beamer@ragged
1834   {%
1835     \usebeamercolor[fg]{caption name}%
1836     \usebeamerfont*{caption name}%
1837     \insertcaptionname~\insertcaptionnumber
1838     \usebeamertemplate{caption label separator}%
1839   }%
1840   \insertcaption\par
1841 }
1842
1843 \bidi@csundef{beamer@@tmpop@caption@caption name own line}
1844
1845 \defbeamertemplate{caption}{caption name own line}
1846 {%

```





```

1847 \begin{minipage}{\textwidth}
1848   \leavevmode
1849   \bidi@beamer@ragged
1850   {%
1851     \usebeamercolor[fg]{caption name}%
1852     \usebeamerfont*{caption name}%
1853     \insertcaptionname%
1854   }\\
1855   \insertcaption
1856 \end{minipage}
1857 }
1858
1859 \@ifpackageloaded{caption}{%
1860   \DeclareCaptionFont{beamer@font}{%
1861     \usebeamerfont*{caption}%
1862     \usebeamercolor[fg]{caption}%
1863   }
1864   \SetCaptionDefault{font}{beamer@font}
1865   \DeclareCaptionJustification{bidi@beamer@ragged}{\bidi@beamer@ragged}
1866   \SetCaptionDefault{justification}{bidi@beamer@ragged}
1867 }{}
1868

```

## 16 File beamerbaseboxes-xetex-bidi.def

```

1869 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbas
1870 \renewcommand\beamerboxesrounded[2] [] {%
1871   \global\let\beamer@firstlineitemizeunskip=\relax%
1872   \vbox\bgroup%
1873   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1874   \setkeys{beamerboxes}{#1}%
1875   {%
1876     \usebeamercolor{\bmb@lower}%
1877     \globalcolorstrue%
1878     \colorlet{lower.bg}{bg}%
1879   }%
1880   {%
1881     \usebeamercolor{\bmb@upper}%
1882     \globalcolorstrue%
1883     \colorlet{upper.bg}{bg}%
1884   }%
1885   %
1886   % Typeset head
1887   %
1888   \vskip4bp
1889   \setbox\bmb@box=\hbox{%
1890     \begin{minipage}[b]{\bmb@width}%
1891       \usebeamercolor[fg]{\bmb@upper}%
1892       #2%
1893     \end{minipage}}%
1894   \ifdim\wd\bmb@box=0pt%
1895     \setbox\bmb@box=\hbox{}%
1896     \ht\bmb@box=1.5pt%
1897     \bmb@prevheight=-4.5pt%

```



```

1898 \else%
1899   \wd\bmb@box=\bmb@width%
1900   \bmb@temp=\dp\bmb@box%
1901   \ifdim\bmb@temp<1.5pt%
1902     \bmb@temp=1.5pt%
1903   \fi%
1904   \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1905   \dp\bmb@box=0pt%
1906   \bmb@prevheight=\ht\bmb@box%
1907 \fi%
1908 \bmb@temp=\bmb@width%
1909 \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1910 \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1911 \hbox{%
1912   \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1913     \ifdim\wd\bmb@box=0pt%
1914       \color{lower.bg}%
1915     \else%
1916       \color{upper.bg}%
1917     \fi%
1918     \pgfpathmoveto{-4bp}{-1bp}
1919     \pgfpathcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1920     \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1921     \pgfpathcurveto
1922       {\pgfpoint{\bmb@dima}{3bp}}%
1923       {\pgfpoint{\bmb@dimb}{1.2bp}}%
1924       {\pgfpoint{\bmb@dimb}{-1bp}}%
1925     \bmb@dima=-\ht\bmb@box%
1926     \advance\bmb@dima by-2pt%
1927     \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1928     \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1929     \pgfusepath{fill}
1930   \end{pgfpicture}%
1931   \copy\bmb@box%
1932 }%
1933 \nointerlineskip%
1934 \vskip-1pt%
1935 \ifdim\wd\bmb@box=0pt%
1936 \else%
1937 \hbox{%
1938   \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1939     \bmb@dima=\bmb@width%
1940     \advance\bmb@dima by8bp%
1941     \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1942     \pgfusepath{clip}
1943     {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuseshading{\bmb@transi
1944   \end{pgfpicture}%
1945 }%
1946 \nointerlineskip%
1947 \vskip-0.5pt%
1948 \fi%
1949 \setbox\bmb@colorbox=\hbox{\pgfpicturetrue\pgfsetcolor{lower.bg}}%
1950 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1951   \vskip2pt%

```



```

1952 \usebeamercolor [fg]{\bmb@lower}%
1953 \colorlet{beamerstructure}{upper.bg}%
1954 \colorlet{structure}{upper.bg}%
1955 %\color{.}%
1956 \@bidi@list@minipage@parboxfalse
1957 }
1958
1959 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1960 \begingroup
1961 \@RTLfalse
1962 }{}{}
1963
1964

```

## 17 File beamerbasecolor-xetex-bidi.def

```

1965 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerbas
1966 \renewenvironment{beamercolorbox}[2] [] {%
1967 \def\beamer@vmode{\leavevmode}%
1968 \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1969 leftskip=Opt,rightskip=Opt plus1fil,%
1970 sep=Opt,colsep=Opt,colsep*=0pt,%
1971 shadow=false,rounded=false,ignorebg=false}%
1972 \ifRTL
1973 \setkeys{beamercolbox}{rightskip=0pt,leftskip=0pt plus1fil}%
1974 \else
1975 \setkeys{beamercolbox}{leftskip=0pt,rightskip=0pt plus1fil}%
1976 \fi
1977 \setkeys{beamercolbox}{#1}%
1978 \ifbeamercoloreempty [bg]{#2}{\@tempwafalse}{\@tempwatruel}%
1979 \ifbeamer@colbox@ignorebg\@tempwafalse\fi%
1980 \def\beamer@colbox@color{#2}%
1981 \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1982 \ifbeamer@colbox@ignorebg%
1983 \colorlet{beamer@temp@color}{bg}%
1984 \usebeamercolor [fg]{#2}%
1985 \colorlet{bg}{beamer@temp@color}%
1986 \else%
1987 \usebeamercolor [fg]{#2}%
1988 \fi%
1989 \beginL
1990 \vbox\bgroup%
1991 \hsize=\beamer@colbox@wd%
1992 \@arrayparboxrestore%
1993 \leftskip=\beamer@colbox@ls%
1994 \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
1995 \rightskip=\beamer@colbox@rs%
1996 \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
1997 \if@tempwa\ifdim\beamer@colbox@colsep>\z@%
1998 \advance\leftskip by\beamer@colbox@colsep%
1999 \advance\rightskip by\beamer@colbox@colsep%
2000 \vskip\beamer@colbox@colsep%
2001 \fi%
2002 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%

```



```

2003 \fi%
2004 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
2005 \beamer@vmode\ignorespaces}{%
2006 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
2007 \if@tempswa
2008 \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
2009 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
2010 \fi%
2011 \egroup\endL\color@endgroup\egroup%
2012 \wd\beamer@tempbox=\beamer@colbox@wd%
2013 \ifx\beamer@colbox@ht\empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
2014 \ifx\beamer@colbox@dp\empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
2015 \ifbeamer@colbox@rounded%
2016 \if@tempswa%
2017 \begin{beamerboxesrounded}[%
2018 shadow=\beamer@colbox@shadow,%
2019 lower=\beamer@colbox@color,%
2020 upper=normal text,%
2021 width=\beamer@colbox@wd]{}%
2022 \box\beamer@tempbox%
2023 \end{beamerboxesrounded}%
2024 \else%
2025 \ifdim\wd\beamer@tempbox>\textwidth%
2026 \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
2027 \fi%
2028 \box\beamer@tempbox%
2029 \fi%
2030 \else%
2031 \if@tempswa\setbox\beamer@tempbox=\hbox{%
2032 \usebeamercolor{\beamer@colbox@color}%
2033 \hskip-\beamer@colbox@colseps%
2034 \fboxsep=\z@\colorbox{bg}{%
2035 \hskip\beamer@colbox@colseps%
2036 \box\beamer@tempbox%
2037 \hskip\beamer@colbox@colseps%
2038 }%
2039 \hskip-\beamer@colbox@colseps%
2040 }\fi%
2041 \ifdim\wd\beamer@tempbox>\textwidth%
2042 \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box\beamer@tempbox%
2043 \fi%
2044 \box\beamer@tempbox%
2045 \fi%
2046 }
2047
2048

```

## 18 File beamerbasecompatibility-xetex-bidi.def

```

2049 \ProvidesFile{beamerbasecompatibility-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for b
2050 \def\insertvrule#1#2{\hbox{{\color{#2}\hskip-\Gm@lmargin\vrule width \paperwidth height #1\h
2051
2052

```



## 19 File beamerbaseframecomponents-xetex-bidi.def

```
2053 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2024/12/28 v0.7 bidi adaptations for
2054 \renewcommand{\setbeamersize}[1]{%
2055   \beamer@dogeometryfalse%
2056   \setkeys{beamer@margin}{#1}%
2057   \ifbeamer@dogeometry%
2058     % Reset left margin now
2059     \beamer@tempdim=\beamer@leftmargin%
2060     \advance\beamer@tempdim by\beamer@leftsidebar%
2061     \if@RTLmain
2062       \geometry{right=\the\beamer@tempdim}%
2063     \else
2064       \geometry{left=\the\beamer@tempdim}%
2065     \fi
2066     % Reset right margin now
2067     \beamer@tempdim=\beamer@rightmargin%
2068     \advance\beamer@tempdim by\beamer@rightsidebar%
2069     \if@RTLmain
2070       \geometry{left=\the\beamer@tempdim}%
2071     \else
2072       \geometry{right=\the\beamer@tempdim}%
2073     \fi
2074   \fi%
2075 }
2076
2077 \newcommand*{\bidi@beamer@Gm@lmargin}{%
2078   \if@RTLmain
2079     \Gm@rmargin
2080   \else
2081     \Gm@lmargin
2082   \fi
2083 }
2084
2085 \newcommand*{\bidi@beamer@Gm@rmargin}{%
2086   \if@RTLmain
2087     \Gm@lmargin
2088   \else
2089     \Gm@rmargin
2090   \fi
2091 }
2092
2093 \def\ps@navigation{
2094   \def\@oddhead{%
2095     \begingroup%
2096     \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransiti
2097     \beamer@tempdim=\ht\beamer@tempbox%
2098     \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2099     \wd\beamer@tempbox=Opt\ht\beamer@tempbox=Opt\dp\beamer@tempbox=Opt%
2100     \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2101     \beamer@tempdim=\ht\@tempboxa%
2102     \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2103     \wd\@tempboxa=Opt\ht\@tempboxa=Opt\dp\@tempboxa=Opt%
2104     \vbox{\hbox{\hskip-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}}%
```



```

2105 \hbox{%
2106   {%
2107     \setbox\beamer@tempbox=\hbox{\hskip-\bidi@beamer@Gm@lmargin%
2108     \if@RTLmain
2109       {%
2110         \vbox to \sidebarheight{%
2111           \usebeamertemplate***{sidebar left}%
2112           \vfil%
2113         }}%
2114     \@ifpackageloaded{beamerinnerthemeinmargin}{}{%
2115       \hskip-\textwidth
2116     }}%
2117     \fi
2118     {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2119       \usebeamercolor*{sidebar left}%
2120       \usebeamertemplate{sidebar canvas left}%
2121       \vss%
2122     }}%
2123     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2124     \box\beamer@tempbox}%
2125     \if@RTLmain
2126     \else
2127     {%
2128       \vbox to \sidebarheight{%
2129         \usebeamertemplate***{sidebar left}%
2130         \vfil%
2131       }}\fi}%
2132     \beamer@tempdim=\ht\beamer@tempbox%
2133     \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2134     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2135     \box\beamer@tempbox%
2136   }%
2137   {% print right sidebar first, since it should be overwritten by headline
2138     \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2139     \if@RTLmain
2140       {%
2141         \vbox to \sidebarheight{%
2142           \usebeamertemplate***{sidebar right}%
2143           \vfil%
2144         }}%
2145         \hskip-\textwidth
2146       \fi
2147       {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2148         \usebeamercolor*{sidebar right}%
2149         \usebeamertemplate{sidebar canvas right}%
2150         \vss%
2151       }}%
2152         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2153         \box\beamer@tempbox}%
2154         \if@RTLmain
2155         \else
2156         {%
2157           \vbox to \sidebarheight{%
2158             \usebeamertemplate***{sidebar right}%

```



```

2159         \vfil%
2160     }}\fi}%
2161     \beamer@tempdim=\ht\beamer@tempbox%
2162     \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2163     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2164     \box\beamer@tempbox%
2165     }%
2166     \beamer@typesetheadorfoot{headline}%
2167     }%
2168     \hfil}%
2169     \endgroup}
2170 \def\@oddfoot{%
2171     \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}}%
2172     \hfil}\hbox{}}\hfil
2173     }%
2174 \let\@evenhead\@oddhead
2175 \let\@evenfoot\@oddfoot}
2176
2177 \AtBeginDocument{%
2178     \pagestyle{navigation}%
2179 }
2180
2181 \def\beamer@typesetheadorfoot#1{% typeset the head or footline
2182     {\parskip0pt\offinterlineskip%
2183         \hbox{%
2184             \hskip-\bidi@beamer@Gm@lmargin%
2185             \hbox{%
2186                 \vbox{%
2187                     \@tempdima=\textwidth%
2188                     \textwidth=\paperwidth%
2189                     \hspace=\textwidth%
2190                     \def\{\,%
2191                         \usebeamertemplate***{#1}%
2192                     }}%
2193                     \hskip-\bidi@beamer@Gm@rmargin%
2194                 }}\hfil%
2195     }
2196
2197 \def\ps@empty{%
2198     \let\@mkboth\@gobbletwo%
2199     \def\@oddhead{\begingroup%
2200         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransiti
2201         \beamer@tempdim=\ht\beamer@tempbox%
2202         \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2203         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2204         \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}}%
2205         \beamer@tempdim=\ht\@tempboxa%
2206         \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}}%
2207         \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2208         \vbox{\hbox{\hskip-\Gm@lmargin\raise\headheight\box\beamer@tempbox\raise\headheight\box\
2209         \endgroup%
2210     }
2211     \def\@oddfoot{\normalcolor{\hfil%
2212         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{navigation symbols}\hskip-\bidi@beame

```



```

2213 \ht\beamer@tempbox=0pt%
2214 \dp\beamer@tempbox=0pt%
2215 \box\beamer@tempbox}}
2216 \let\@evenhead\@oddhead\let\@evenfoot\@oddfont}
2217
2218 \renewenvironment<>{beamer@columnenv}[2][\beamer@colmode]{%
2219 \beamer@colclose\def\beamer@colclose{%
2220 \begin{actionenv}#3%
2221 \setkeys{beamer@col}{#1}%
2222 \begin{minipage}[\beamer@colalign]{#2}%
2223 \leavevmode\bidibeamer@ragged\beamer@colheadskip\ignorespaces}
2224 {\end{minipage}\hfill\end{actionenv}\@ignoretrue}
2225 \let\endcolumn\endbeamer@columnenv
2226
2227 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2228 \beamer@colclose%
2229 \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2230 \begin{actionenv}#3%
2231 \setkeys{beamer@col}{#1}%
2232 \begin{minipage}[\beamer@colalign]{#2}%
2233 \leavevmode\bidibeamer@ragged\beamer@colheadskip\ignorespaces}
2234
2235 \renewenvironment<>{columns}[1][]{%
2236 \begin{actionenv}#2%
2237 \ifbeamer@onlytextwidth
2238 \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2239 \def\beamer@colexitcode{\unskip\egroup}
2240 \else%
2241 \def\beamer@colentrycode{%
2242 \hbox to\textwidth\bgroup%
2243 \leavevmode%
2244 \hskip-\beamer@leftmargin%
2245 \nobreak%
2246 \beamer@tempdim=\textwidth%
2247 \advance\beamer@tempdim by\beamer@leftmargin%
2248 \advance\beamer@tempdim by\beamer@rightmargin%
2249 \hbox to\beamer@tempdim\bgroup%
2250 \hbox{}\hfill\ignorespaces}%
2251 \def\beamer@colexitcode{\egroup%
2252 \nobreak%
2253 \hskip-\beamer@rightmargin\egroup}%
2254 \fi%
2255 \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2256 \setkeys{beamer@col}{#1}%
2257 \par%
2258 \leavevmode
2259 \beamer@colentrycode%
2260 \def\beamer@colclose{\ignorespaces}%
2261 {\beamer@colclose\def\beamer@colclose{\beamer@colexitcode\end{actionenv}}}%
2262
2263
2264 \def\@makeRTLfnontext#1{%
2265 \def\insertfootnotetext{#1}%
2266 \def\insertfootnotemark{\@makefnmark}%

```





```

2267 \usebeamertemplate***{RTLfootnote}}
2268
2269 \def\@makeLTRfntext#1{%
2270   \def\insertfootnotetext{#1}%
2271   \def\insertfootnotemark{\@makefnmark}%
2272   \usebeamertemplate***{LTRfootnote}}
2273
2274 \renewcommand<>\beamer@framefootnotetext[1]{%
2275   \global\setbox\beamer@footins\vbox{%
2276     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
2277     \hsize\framewidth
2278     \textwidth\hsize
2279     \columnwidth\hsize
2280     \unvbox\beamer@footins
2281     \reset@font
2282     \bidi@@footnotetext@font
2283     \@parboxrestore
2284     \protected@edef\@currentlabel
2285       {\csname p@footnote\endcsname\@thefnmark}%
2286     \color@begingroup
2287       \uncover#2{\@makefntext{%
2288         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2289     \color@endgroup}}
2290
2291 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2292   \global\setbox\beamer@footins\vbox{%
2293     \@RTLtrue
2294     \hsize\framewidth
2295     \textwidth\hsize
2296     \columnwidth\hsize
2297     \unvbox\beamer@footins
2298     \reset@font
2299     \bidi@@RTLfootnotetext@font
2300     \@parboxrestore
2301     \protected@edef\@currentlabel
2302       {\csname p@footnote\endcsname\@thefnmark}%
2303     \color@begingroup
2304       \uncover#2{\@makeRTLfntext{%
2305         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2306     \color@endgroup}}
2307
2308 \renewcommand<>\beamer@frameLTRfootnotetext[1]{%
2309   \global\setbox\beamer@footins\vbox{%
2310     \@RTLfalse
2311     \hsize\framewidth
2312     \textwidth\hsize
2313     \columnwidth\hsize
2314     \unvbox\beamer@footins
2315     \reset@font
2316     \bidi@@LTRfootnotetext@font
2317     \@parboxrestore
2318     \protected@edef\@currentlabel
2319       {\csname p@footnote\endcsname\@thefnmark}%
2320     \color@begingroup

```



```

2321     \uncover#2{\@makeLTRfntext{%
2322         \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2323     \color@endgroup}}
2324
2325 \renewcommand<>\@mpfootnotetext[1]{%
2326 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\@mpfootnoterule
2327 \global\setbox\@mpfootins\vbox{%
2328     \unvbox\@mpfootins
2329     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
2330     \reset@font
2331     \bidi@@footnotetext@font
2332     \hsize\columnwidth
2333     \@parboxrestore
2334     \protected@edef\@currentlabel
2335         {\csname p@mpfootnote\endcsname\@thefnmark}%
2336     \color@begingroup
2337         \uncover#2{\@makefntext{%
2338             \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2339         \color@endgroup}}
2340
2341 \renewcommand<>\@mpRTLfootnotetext[1]{%
2342 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\@mpfootnoterule\right@footnoterule
2343 \global\setbox\@mpfootins\vbox{%
2344     \unvbox\@mpfootins
2345     \@RTLtrue
2346     \reset@font
2347     \bidi@@RTLfootnotetext@font
2348     \hsize\columnwidth
2349     \@parboxrestore
2350     \protected@edef\@currentlabel
2351         {\csname p@mpfootnote\endcsname\@thefnmark}%
2352     \color@begingroup
2353         \uncover#2{\@makeRTLfntext{%
2354             \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2355         \color@endgroup}}
2356
2357 \renewcommand<>\@mpLTRfootnotetext[1]{%
2358 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\@mpfootnoterule\left@footnoterule
2359 \global\setbox\@mpfootins\vbox{%
2360     \unvbox\@mpfootins
2361     \@RTLfalse
2362     \reset@font
2363     \bidi@@LTRfootnotetext@font
2364     \hsize\columnwidth
2365     \@parboxrestore
2366     \protected@edef\@currentlabel
2367         {\csname p@mpfootnote\endcsname\@thefnmark}%
2368     \color@begingroup
2369         \uncover#2{\@makeLTRfntext{%
2370             \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2371         \color@endgroup}}
2372
2373 \let\@footnotetext=\beamer@framefootnotetext
2374 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext

```



```

2375 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
2376
2377 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2378 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2379 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
2380
2381 \renewcommand<>{\footnote}[1] [] {%
2382   \let\beamer@footnotetext=\@footnotetext%
2383   \let\beamer@mpfn=\@mpfn%
2384   \let\beamer@thempfn=\thempfn%
2385   \let\beamer@kvorig=\KV@errx%
2386   \let\beamer@xkvorig=\XKV@err
2387   \def\beamer@footarg{}%
2388   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2389   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2390   \setkeys{beamerfootnote}{#1}%
2391   \let\KV@errx=\beamer@kvorig%
2392   \let\XKV@errx=\beamer@xkvorig
2393   \ifx\beamer@footarg\@empty%
2394     \def\beamer@next{\stepcounter\beamer@mpfn
2395       \protected@xdef\@thefnmark{\beamer@thempfn}%
2396       \@footnotemark\beamer@footnotetext#2}%
2397   \else%
2398     \def\beamer@next{%
2399       \begingroup
2400         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2401         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2402       \endgroup
2403       \@footnotemark\beamer@footnotetext#2}%
2404   \fi%
2405   \beamer@next}
2406
2407 \renewcommand<>{\RTLfootnote}[1] [] {%
2408   \let\beamer@RTLfootnotetext=\@RTLfootnotetext%
2409   \let\beamer@mpfn=\@mpfn%
2410   \let\beamer@thempfn=\thempfn%
2411   \let\beamer@kvorig=\KV@errx%
2412   \let\beamer@xkvorig=\XKV@err
2413   \def\beamer@footarg{}%
2414   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2415   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2416   \setkeys{beamerfootnote}{#1}%
2417   \let\KV@errx=\beamer@kvorig%
2418   \let\XKV@errx=\beamer@xkvorig
2419   \ifx\beamer@footarg\@empty%
2420     \def\beamer@next{\stepcounter\beamer@mpfn
2421       \protected@xdef\@thefnmark{\beamer@thempfn}%
2422       \@footnotemark\beamer@RTLfootnotetext#2}%
2423   \else%
2424     \def\beamer@next{%
2425       \begingroup
2426         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2427         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2428       \endgroup

```



```

2429     \@footnotemark\beamer@RTLfootnotetext#2}%
2430 \fi%
2431 \beamer@next}
2432
2433 \renewcommand<>{\LTRfootnote}[1] [] {%
2434 \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2435 \let\beamer@mpfn=\@mpfn%
2436 \let\beamer@thempfn=\thempfn%
2437 \let\beamer@kvorig=\KV@errx%
2438 \let\beamer@xkvorig=\XKV@err
2439 \def\beamer@footarg{}%
2440 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2441 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2442 \setkeys{beamerfootnote}{#1}%
2443 \let\KV@errx=\beamer@kvorig%
2444 \let\XKV@errx=\beamer@xkvorig
2445 \ifx\beamer@footarg\@empty%
2446 \def\beamer@next{\stepcounter\beamer@mpfn
2447 \protected@xdef\@thefnmark{\beamer@thempfn}%
2448 \@footnotemark\beamer@LTRfootnotetext#2}%
2449 \else%
2450 \def\beamer@next{%
2451 \begingroup
2452 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2453 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2454 \endgroup
2455 \@footnotemark\beamer@LTRfootnotetext#2}%
2456 \fi%
2457 \beamer@next}
2458
2459

```

## 20 File beamerbaseframesize-xetex-bidi.def

```

2460 \ProvidesFile{beamerbaseframesize-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamer]
2461 \def\beamer@framezoom<#1><#2>[#3] (#4, #5) (#6, #7){%
2462 \par\nointerlineskip%
2463 \global\beamer@slidehaszoomtrue%
2464 \advance\beamer@zoomcount by1\relax%
2465 \def\beamer@zoomborderwidth{0}%
2466 \edef\beamer@labelzoomed{\beamer@labelzoomed@the\beamer@zoomframecount @the\beamer@zoomcount}%
2467 \setkeys{beamerzoom}{#3}%
2468 \only<#1>{%
2469 {\hypersetup{pdfhighlight={/P},pdfborder={0 0 \beamer@zoomborderwidth}}%
2470 \global\setbox\@tempboxa=\vbox{\hyperlink{\beamer@labelzoomed}{%
2471 \expandafter\ifx\csname XeTeXrevision\endcsname\relax
2472 \vbox to #7{%
2473 \hbox to#6{\hfil}%
2474 \vfil%
2475 }%
2476 \else%
2477 \begingroup%
2478 \normalsize%
2479 \begin{pgfpicture}{0pt}{0pt}{#6}{#7}%

```



```

2480         \pgfsetfillopacity{0}
2481         \pgftext [x=0cm,y=3pt]{.}
2482         \pgftext [x=#6,y=\dimexpr#7-\baselineskip+3pt]{.}
2483     \end{pgfpicture}%
2484 \endgroup%
2485 \fi%
2486 }}}%
2487 \ht\@tempboxa=0pt%
2488 \wd\@tempboxa=0pt%
2489 \dp\@tempboxa=0pt%
2490 \setbox\@tempboxa=\vbox{\if@RTL\moveleft\else\moveright\fi#4\hbox{\lower#5\vbox{\box\@tempboxa}}%
2491 \ht\@tempboxa=0pt%
2492 \wd\@tempboxa=0pt%
2493 \dp\@tempboxa=0pt%
2494 \global\setbox\beamer@zoombox=\vbox to0pt{\unvbox\beamer@zoombox\box\@tempboxa}%
2495 }%
2496 \only<#2>{%
2497     \ifundefined{\beamer@labelzoomed}%
2498     {%
2499         \hypertarget{\beamer@labelzoomed}{}%
2500         \expandafter\gdef\csname\beamer@labelzoomed\endcsname{}%
2501     }{}%
2502     \gdef\beamer@zoomer{%
2503         % compute zoom factor
2504         \@tempdima=\beamer@frametextheight%
2505         \@tempdimb=#7\relax%
2506         \@tempcnta=\@tempdimb%
2507         \divide\@tempcnta by4096\relax%
2508         \multiply\@tempdima by16\relax%
2509         \divide\@tempdima by\@tempcnta%
2510         \@tempdimb=\paperwidth%
2511         \ifbeamer@plainframe%
2512         \else%
2513             \advance\@tempdimb by-\beamer@leftsidebar%
2514             \advance\@tempdimb by-\beamer@rightsidebar\relax%
2515         \fi%
2516         \@tempdimc=#6\relax%
2517         \@tempcntb=\@tempdimc%
2518         \divide\@tempcntb by4096\relax%
2519         \multiply\@tempdimb by16\relax%
2520         \divide\@tempdimb by\@tempcntb%
2521         \ifdim\@tempdimb<\@tempdima%
2522             \@tempdima=\@tempdimb%
2523         \fi%
2524         \edef\beamer@temp{\strip@pt\@tempdima}%
2525         \@tempdimc=\beamer@frametextheight%
2526         \advance\@tempdimc by4pt%
2527         \@tempdimb=\paperwidth%
2528         \ifbeamer@plainframe%
2529         \else%
2530             \advance\@tempdimb by-\beamer@leftsidebar%
2531             \advance\@tempdimb by-\beamer@rightsidebar\relax%
2532         \fi%
2533         \setbox\@tempboxa=\vbox{\hsize=\@tempdimb\Acrobatmenu{GoBack}{\vbox to

```



```

2534     \beamer@frametextheight{\hbox to\@tempdimb{\hfil}\vfil}}}%
2535     \ht\@tempboxa=0pt%
2536     \wd\@tempboxa=0pt%
2537     \dp\@tempboxa=0pt%
2538     \setbox\beamer@framebox=\vbox to\beamer@frametextheight{%
2539         \ifbeamer@plainframe\beamer@leftmargin=\Gm@lmargin\fi%
2540         \if@RTL
2541         \begin{pgfpicture}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\paperwidth-\beamer@leftmargin}{\beamer@frametextheight}
2542             \pgftext [right, top]{\box\@tempboxa}
2543             \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2544             \pgfusepath{clip}
2545             \begingroup
2546                 \pgftransformscale{\beamer@temp}
2547                 \@tempdima=#4\relax%
2548                 \@tempdimb=#5\relax%
2549                 {\pgftransformshift{\pgfpoint{\@tempdima+#6}{\@tempdimb}}}%
2550                 \pgftext [right, top]{\vbox{\vbox{} \nointerlineskip \unvbox\beamer@framebox}}
2551             \endgroup
2552         \end{pgfpicture}%
2553     \else
2554     \begin{pgfpicture}{\beamer@leftmargin}{-\beamer@frametextheight}{\beamer@leftmargin}{\beamer@frametextheight}
2555         \pgftext [left, top]{\box\@tempboxa}
2556         \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2557         \pgfusepath{clip}
2558         \begingroup
2559             \pgftransformscale{\beamer@temp}
2560             \@tempdima=#4\relax%
2561             \@tempdimb=#5\relax%
2562             {\pgftransformshift{\pgfpoint{-\@tempdima}{\@tempdimb}}}%
2563             \pgftext [left, top]{\vbox{\vbox{} \nointerlineskip \unvbox\beamer@framebox}}
2564         \endgroup
2565     \end{pgfpicture}%
2566     \fi
2567     }%
2568     \setbox\beamer@framebox=\vbox{%
2569         \nobreak\vbox{} \nobreak\par \nobreak\beamer@entrycode \nobreak%
2570         \nointerlineskip \unvbox\beamer@frametitlebox%
2571         \nobreak%
2572         \box\beamer@framebox%
2573         \nobreak%
2574         \vss%
2575         \beamer@exitcode%
2576     }%
2577     \global\setbox\beamer@footins=\box\voidb@x% no footnotes in zoomed slides
2578     }%
2579 }%
2580 }
2581
2582

```

## 21 File beamerbaselocalstructure-xetex-bidi.def

```

2583 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2584 \def\beamer@enum@{

```



```

2585 \beamer@computepref\@itemdepth% sets \beameritemnestingprefix
2586 \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2587 \bgroup
2588 \usebeamercolor[fg]{itemize/enumerate \beameritemnestingprefix body}%
2589 \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2590 \egroup
2591 \expandafter
2592 \list
2593   {\usebeamertemplate{\beamer@enumtempl}}
2594   {\usecounter\@enumctr%
2595     \def\makelabel##1{\hss\llap{%
2596       \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2597       \usebeamercolor[fg]{enumerate \beameritemnestingprefix item}##1}}}%
2598 \beamer@cramped%
2599 \bidi@beamer@ragged%
2600 \beamer@firstlineitemizeunskip%
2601 }
2602
2603 \renewcommand{\itemize}[1][\ ]{%
2604   \ifblank{#1}{\def\beamer@defaultospec{#1}}%
2605   \ifnum \@itemdepth >2\relax\@toodeep\else
2606     \advance\@itemdepth\@ne
2607     \beamer@computepref\@itemdepth% sets \beameritemnestingprefix
2608     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2609     \bgroup
2610     \usebeamercolor[fg]{itemize/enumerate \beameritemnestingprefix body}%
2611     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2612     \egroup
2613     \list
2614       {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2615       {\def\makelabel##1{%
2616         {%
2617           \hss\llap{%
2618             \usebeamerfont*{itemize \beameritemnestingprefix item}%
2619             \usebeamercolor[fg]{itemize \beameritemnestingprefix item}##1}}%
2620         }%
2621       }%
2622     }
2623   \fi%
2624   \beamer@cramped%
2625   \bidi@beamer@ragged%
2626   \beamer@firstlineitemizeunskip%
2627 }
2628
2629 \def\@@description{%
2630   \advance\beamer@descdefault by \labelsep%
2631   \usebeamerfont{description body}%
2632   \bgroup
2633   \usebeamercolor[fg]{description body}%
2634   \usebeamertemplate{description body begin}%
2635   \egroup
2636   \list
2637     {}
2638   {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descrip

```



```

2639 \beamer@cramped%
2640 \bidi@beamer@ragged
2641 \beamer@firstlineitemizeunskip%
2642 }
2643
2644 \renewenvironment{thebibliography}[1]
2645 {%\leavevmode\unskip%
2646 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2647 \bidi@thebibliography@font@hook%
2648 \list{\@biblabel{\@arabic\c@enumiv}}%
2649     {\settowidth\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2650     \leftmargin\labelwidth
2651     \advance\leftmargin\labelsep
2652     \itemsep=0pt%
2653     \partopsep=0pt%
2654     \topsep=0pt%
2655     \usecounter{enumiv}}%
2656     \let\p@enumiv\@empty
2657     \renewcommand\theenumiv{\@arabic\c@enumiv}
2658     \let\makelabel\beamer@biblabeltemplate}%
2659 \sloppy\bidi@beamer@ragged
2660 \clubpenalty10000
2661 \@clubpenalty \clubpenalty
2662 \widowpenalty10000%
2663 \sfcode`. \@m}
2664 {\def\@noitemerr
2665     {\@latex@warning{Empty `thebibliography' environment}}%
2666     \ifhmode\unskip\fi\endlist}
2667
2668

```

## 22 File beamerbasemisc-xetex-bidi.def

```

2669 \ProvidesFile{beamerbasemisc-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamerbase
2670 \define@key{beamerst}{width}{%
2671 \def\beamer@ststart{%
2672 \begin{minipage}[t]{#1}%
2673 \bidi@beamer@ragged
2674 \beamer@stalign
2675 \beamer@stlinebreakrule
2676 }%
2677 \def\beamer@stend{\end{minipage}}}
2678
2679

```

## 23 File beamerbasenavigation-xetex-bidi.def

```

2680 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for beam
2681 \def\slideentry#1#2#3#4#5#6{%
2682 %section number, subsection number, slide number, first/last frame, page number, part numb
2683 \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2684 \ifbeamer@compress%
2685 \advance\beamer@xpos by1\relax%
2686 \else%

```





```

2687     \ifnum#2=0%
2688         \beamer@ypos@offset=1\relax%
2689     \fi
2690     \beamer@xpos=#3\relax%
2691     \beamer@ypos=#2\relax%
2692     \advance\beamer@ypos by \beamer@ypos@offset\relax
2693 \fi%
2694 \hbox to 0pt{%
2695     \beamer@tempdim=-\beamer@vboxoffset%
2696     \advance\beamer@tempdim by-\beamer@boxsize%
2697     \multiply\beamer@tempdim by\beamer@ypos%
2698     \advance\beamer@tempdim by -.05cm%
2699     \raise\beamer@tempdim\hbox{%
2700         \beamer@tempdim=\beamer@boxsize%
2701         \multiply\beamer@tempdim by\beamer@xpos%
2702         \advance\beamer@tempdim by -\beamer@boxsize%
2703         \advance\beamer@tempdim by 1pt%
2704         \kern\beamer@tempdim
2705         \global\beamer@section@min@dim\beamer@tempdim
2706         \hbox{\beamer@link(#4){%
2707             \usebeamerfont{mini frame}%
2708             \ifnum\c@section=#1%
2709                 \ifnum\c@subsection=#2%
2710                     \usebeamercolor[fg]{mini frame}%
2711                     \ifnum\c@subsectionslide=#3%
2712                         \usebeamertemplate{mini frame}%\beamer@minislidehighlight%
2713                     \else%
2714                         \usebeamertemplate{mini frame in current subsection}%\beamer@minisliderowhighlight%
2715                     \fi%
2716                 \else%
2717                     \usebeamercolor{mini frame}%
2718                     \%color{fg!50!bg}%
2719                     \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2720                 \fi%
2721             \else%
2722                 \usebeamercolor{mini frame}%
2723                 \%color{fg!50!bg}%
2724                 \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2725             \fi%
2726         }}}}\hskip-10cm plus 1fil%
2727 }\fi\fi%
2728 \else%
2729 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2730 \fi\ignorespaces
2731 }
2732
2733 \pgfdefobject{bidi@beamer@RTL@gotosymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2734 {
2735     \pgfpathmoveto{3.5bp}{0.5bp}
2736     \pgfpathqlineto{1.5bp}{2bp}
2737     \pgfpathqlineto{3.5bp}{3.5bp}
2738     \pgfusepathqfill
2739 }
2740

```



```

2741 \def\insertgotosymbol{%
2742 \if@RTL
2743   \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2744     \pgfuseobject{bidi@beamer@RTL@gotosymbol}%
2745   \end{pgfpicture}%
2746 \else
2747   \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2748     \pgfuseobject{beamer@gotosymbol}%
2749   \end{pgfpicture}%
2750 \fi
2751 }
2752
2753 \pgfdefobject{bidi@beamer@RTL@skipsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{7pt}{5pt}}
2754 {
2755   \pgfpathqmoveto{5.5bp}{0.5bp}
2756   \pgfpathqlineto{3.5bp}{2bp}
2757   \pgfpathqlineto{5.5bp}{3.5bp}
2758   \pgfpathqmoveto{3.5bp}{0.5bp}
2759   \pgfpathqlineto{1.5bp}{2bp}
2760   \pgfpathqlineto{3.5bp}{3.5bp}
2761   \pgfusepathqfill
2762 }
2763
2764 \def\insertskipsymbol{%
2765 \if@RTL
2766   \begin{pgfpicture}{-1pt}{0pt}{6pt}{5pt}
2767     \pgfuseobject{bidi@beamer@RTL@skipsymbol}%
2768   \end{pgfpicture}%
2769 \else
2770   \begin{pgfpicture}{1pt}{0pt}{8pt}{5pt}
2771     \pgfuseobject{beamer@skipsymbol}%
2772   \end{pgfpicture}%
2773 \fi
2774 }
2775
2776 \pgfdefobject{bidi@beamer@RTL@returnsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2777 {
2778   \pgfpathqmoveto{1.5bp}{0.5bp}
2779   \pgfpathqlineto{3.5bp}{2bp}
2780   \pgfpathqlineto{1.5bp}{3.5bp}
2781   \pgfusepathqfill
2782 }
2783
2784 \def\insertreturnsymbol{%
2785 \if@RTL
2786   \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2787     \pgfuseobject{bidi@beamer@RTL@returnsymbol}%
2788   \end{pgfpicture}%
2789 \else
2790   \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2791     \pgfuseobject{beamer@returnsymbol}%
2792   \end{pgfpicture}%
2793 \fi
2794 }

```



2795  
2796

## 24 File beamerbaseoverlay-xetex-bidi.def

```
2797 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2798 \renewcommand<>{\color}{\alt#1{\beameroriginal{\color}}{\beamer@gobbleoptionalinsp}}
2799
2800
```

## 25 File beamerinnerthemedefault-xetex-bidi.def

```
2801 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/27 v0.6 bidi adaptations for beamer]
2802 \newcommand*{\bidi@beamer@leftskip}{%
2803   \if@RTL
2804     \rightskip
2805   \else
2806     \leftskip
2807   \fi
2808 }
2809
2810 \newcommand*{\bidi@beamer@rightskip}{%
2811   \if@RTL
2812     \leftskip
2813   \else
2814     \rightskip
2815   \fi
2816 }
2817
2818 \bidi@csundef{beamer@tmpop@subsection in toc@default}
2819
2820 \bidi@csundef{beamer@tmpop@subsubsection in toc@default}
2821
2822 \defbeamer*{subsection in toc}{default}
2823 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2824
2825 \defbeamer*{subsubsection in toc}{default}
2826 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3em%
2827   \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2828
2829 \newcommand*{\bidi@beamer@blacktriangle}{%
2830   \if@RTL
2831     $\blacktriangleleft$%
2832   \else
2833     $\blacktriangleright$%
2834   \fi
2835 }
2836
2837 \bidi@csundef{beamer@tmpop@itemize item@default}
2838
2839 \bidi@csundef{beamer@tmpop@itemize subitem@default}
2840
2841 \bidi@csundef{beamer@tmpop@itemize subsubitem@default}
2842
```



```

2843 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\vd
2844 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\hb
2845 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1.
2846
2847 \bidi@undef\beamer@@tmpop@footnote@default
2848
2849 \defbeamertemplate*{footnote}{default}
2850 {
2851   \parindent 1em\noindent%
2852   \bidi@beamer@ragged
2853   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2854 }
2855
2856 \defbeamertemplate*{RTLfootnote}{default}
2857 {
2858   \parindent 1em\noindent%
2859   \raggedleft
2860   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2861 }
2862
2863 \defbeamertemplate*{LTRfootnote}{default}
2864 {
2865   \parindent 1em\noindent%
2866   \raggedright
2867   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2868 }
2869
2870 \bidi@undef\beamer@@tmpop@caption@default
2871
2872 \defbeamertemplate*{caption}{default}
2873 {%
2874   \bidi@beamer@ragged
2875   {%
2876     \leavevmode
2877     \usebeamerfont*{caption name}%
2878     \usebeamerfont*{caption name}%
2879     \insertcaptionname
2880     \usebeamertemplate{caption label separator}%
2881   }%
2882   \insertcaption\par
2883 }
2884
2885 \bidi@csundef\beamer@@tmpop@block begin@default}
2886
2887 \bidi@csundef\beamer@@tmpop@block alerted begin@default}
2888
2889 \bidi@csundef\beamer@@tmpop@block example begin@default}
2890
2891 \defbeamertemplate*{block begin}{default}
2892 {
2893   \par\vskip\medskipamount%
2894   \begin{beamercolorbox}[colsep*=.75ex]{block title}
2895     \usebeamerfont*{block title}\insertblocktitle%
2896   \end{beamercolorbox}%

```



```

2897 {\parskip0pt\par}%
2898 \ifbeamercoloreempty[bg]{block title}
2899 {}
2900 {\ifbeamercoloreempty[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2901 \usebeamerfont{block body}%
2902 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2903   \ifbeamercoloreempty[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\basel
2904 }
2905
2906 \defbeamerteremplate*{block alerted begin}{default}
2907 {
2908   \par\vskip\medskipamount%
2909   \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2910     \usebeamerfont*{block title alerted}\insertblocktitle%
2911   \end{beamercolorbox}%
2912   {\parskip0pt\par}%
2913   \ifbeamercoloreempty[bg]{block title alerted}
2914   {}
2915   {\ifbeamercoloreempty[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2916   \usebeamerfont{block body alerted}%
2917   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2918     \ifbeamercoloreempty[bg]{block body alerted}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75e
2919 }
2920
2921 \defbeamerteremplate*{block example begin}{default}
2922 {
2923   \par\vskip\medskipamount%
2924   \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2925     \usebeamerfont*{block title example}\insertblocktitle%
2926   \end{beamercolorbox}%
2927   {\parskip0pt\par}%
2928   \ifbeamercoloreempty[bg]{block title example}
2929   {}
2930   {\ifbeamercoloreempty[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%
2931   \usebeamerfont{block body example}%
2932   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2933     \ifbeamercoloreempty[bg]{block body example}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75e
2934 }
2935
2936 \bidi@csundef{beamer@tmpop@abstract begin@default}
2937
2938 \defbeamerteremplate*{abstract begin}{default}
2939 {\beamercolorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fil
2940
2941 \bidi@undef\beamer@tmpop@button@default
2942
2943 \defbeamerteremplate*{button}{default}
2944 {%
2945   \setbox\beamer@tempbox=\hbox{\insertbuttontext}}%
2946   \ht\beamer@tempbox=6pt%
2947   \dp\beamer@tempbox=0pt%
2948   \setbox\beamer@tempbox=\vbox{\box\beamer@tempbox\vskip2pt}}%
2949   \beamer@tempdim=\wd\beamer@tempbox%
2950   \beamer@dima=\beamer@tempdim\advance\beamer@dima by2.2pt

```



```

2951 \beamer@dimb=\beamer@tempdim\advance\beamer@dimb by4pt
2952 \if@RTL
2953   \kern4pt%
2954   \box\beamer@tempbox%
2955   \hskip-\beamer@tempdim%
2956 \fi
2957 \begin{pgfpicture}{-4pt}{0pt}{\the\beamer@tempdim}{8pt}
2958   \color{bg}
2959   \pgfsetlinewidth{0.8pt}
2960   \pgfpathmoveto{0pt}{0pt}
2961   \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2962   \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2963   \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2964   \pgfpathcurveto%
2965     {\pgfpoint{\the\beamer@dima}{8pt}}%
2966     {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2967     {\pgfpoint{\the\beamer@dimb}{4pt}}
2968   \pgfpathcurveto%
2969     {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2970     {\pgfpoint{\the\beamer@dima}{0pt}}%
2971     {\pgfpoint{\the\beamer@tempdim}{0pt}}
2972   \pgfpathclose
2973   \pgfusepathqfill
2974   \colorlet{bg}{parent.bg}
2975   \usebeamercolor[fg]{button border}
2976   \pgfpathmoveto{0pt}{0pt}
2977   \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2978   \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2979   \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2980   \pgfpathcurveto%
2981     {\pgfpoint{\the\beamer@dima}{8pt}}%
2982     {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2983     {\pgfpoint{\the\beamer@dimb}{4pt}}
2984   \pgfpathcurveto%
2985     {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2986     {\pgfpoint{\the\beamer@dima}{0pt}}%
2987     {\pgfpoint{\the\beamer@tempdim}{0pt}}
2988   \pgfpathclose
2989   \pgfusepathqstroke
2990 \end{pgfpicture}%
2991 \if@RTL
2992 \else
2993   \hskip-\beamer@tempdim%
2994   \box\beamer@tempbox%
2995   \kern4pt%
2996 \fi
2997 }
2998
2999

```

## 26 File beamerinnerthemecircles-xetex-bidi.def

```

3000 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
3001 \setbeamertemplate{sections/subsections in toc}[circle]

```



3002

## 27 File beamerinnerthemefocus-xetex-bidi.def

```
3003 \ProvidesFile{beamerinnerthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for bea
3004 \setbeamertemplate{section in toc}[square]
3005 \setbeamertemplate{subsection in toc}[square]
3006
3007 \setbeamertemplate{itemize items}[square]
3008 \setbeamertemplate{itemize subitem}[triangle]
3009
3010 \bidi@csundef{beamer@@tmpop@title page@focus}
3011
3012 \defbeamertemplate*{title page}{focus}{%
3013   {%
3014     \usebeamercolor{frametitle}\colorlet{focus@@temp}{bg}%
3015     \begin{tikzpicture}[overlay, remember picture]
3016       \fill[color=focus@@temp] (current page.north west) rectangle ([shift = {(0, -0.4
3017     \end{tikzpicture}
3018   }
3019
3020   \vspace{-1.65\baselineskip}
3021   \begin{minipage}[b] [0.35\paperheight]{\textwidth}
3022     \vspace{\baselineskip}
3023     \usebeamerfont{title}
3024     \usebeamercolor[fg]{frametitle}
3025     \inserttitle
3026   \end{minipage}
3027
3028   \begin{minipage}[t] [0.1\paperheight]{\textwidth}
3029     \usebeamerfont{subtitle}
3030     \usebeamercolor[fg]{frametitle}
3031     \insertsubtitle
3032   \end{minipage}
3033
3034   % Set the title graphic in a zero-height box, so that
3035   % the position of other elements is not affected.
3036   {\vfuuzz=9999pt\vbox to 0pt {
3037     \if@RTL
3038       \raggedright
3039     \else
3040       \raggedleft
3041     \fi
3042     \inserttitlegraphic
3043   }}
3044
3045   \begin{minipage}[t]{\textwidth}
3046     \usebeamerfont{author}
3047     \insertauthor
3048   \end{minipage}
3049
3050   \vspace*{\baselineskip}
3051   \begin{minipage}[t]{\textwidth}
3052     \usebeamerfont{institute}
```



```

3053     \insertinstitute
3054 \end{minipage}
3055
3056 \vspace*{\baselineskip}
3057 \begin{minipage}[t]{\textwidth}
3058     \usebeamerfont{date}
3059     \insertdate
3060 \end{minipage}
3061
3062 \vspace*{0pt plus 100fill}
3063
3064 \addtocounter{framenummer}{-1}
3065 \addtocounter{realframenummer}{-1}
3066 }
3067
3068
3069

```

## 28 File beamerinnerthemeinmargin-xetex-bidi.def

```

3070 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
3071 \AtBeginDocument{%
3072 \setbeamerfont{sidebar width left=.25\paperwidth}%
3073 }
3074
3075 \bidi@csundef{beamer@tmpop@section in toc@inmargin}
3076
3077 \bidi@csundef{beamer@tmpop@title page@inmargin}
3078
3079 \bidi@csundef{beamer@tmpop@block begin@inmargin}
3080
3081 \bidi@csundef{beamer@tmpop@block end@inmargin}
3082
3083 \bidi@csundef{beamer@tmpop@block alerted begin@inmargin}
3084
3085 \bidi@csundef{beamer@tmpop@block alerted end@inmargin}
3086
3087 \bidi@csundef{beamer@tmpop@block example begin@inmargin}
3088
3089 \bidi@csundef{beamer@tmpop@block example end@inmargin}
3090
3091 \defbeamertemplate*{section in toc}{inmargin}
3092 {\leavevmode
3093 \beamer@putleft{\usebeamerfont{fg}{section in toc}\inserttocsection}\strut}{2.5ex}}
3094
3095 \defbeamertemplate*{title page}{inmargin}
3096 {
3097 \begin{block}{\inserttitleindicator}
3098 \bgroup\usebeamerfont{fg}{title}\usebeamerfont{title}\inserttitle\egroup\par
3099 \usebeamerfont{fg}{subtitle}\usebeamerfont{subtitle}\insertsubtitle
3100 \end{block}
3101 \vfill
3102 \ifx\insertauthor\@empty
3103 \else

```





```

3104 \begin{block}{\insertauthorindicator}
3105   \bgroup\usebeamercolor[fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
3106 \end{block}
3107 \fi
3108 \ifx\insertinstitute\@empty
3109 \else
3110 \begin{block}{\insertinstituteindicator}
3111   \bgroup\usebeamercolor[fg]{institute}\usebeamerfont{institute}\insertinstitute\egroup\par
3112 \end{block}
3113 \fi
3114 \ifx\insertdate\@empty
3115 \else
3116 \begin{block}{\insertdateindicator}
3117   \bgroup\usebeamercolor[fg]{date}\usebeamerfont{date}\insertdate\egroup\par
3118 \end{block}
3119 \fi
3120 }
3121
3122 \defbeamertemplate*{block begin}{inmargin}
3123 {
3124   \par\vskip\medskipamount%
3125   \leavevmode%
3126   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title}\usebeamerfont*{block title}\i}
3127   \beginL\beamer@putright
3128   %\usebeamercolor[fg]{block body}% to be done!
3129 }
3130
3131 \defbeamertemplate*{block end}{inmargin}
3132 {\endbeamer@putright\endL\vskip\smallskipamount}
3133
3134 \defbeamertemplate*{block alerted begin}{inmargin}
3135 {
3136   \par\vskip\medskipamount%
3137   \leavevmode%
3138   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title alerted}\usebeamerfont*{block
3139   \beginL\beamer@putright
3140   %\usebeamercolor[fg]{block body alerted}% to be done!
3141 }
3142
3143 \defbeamertemplate*{block alerted end}{inmargin}
3144 {\endbeamer@putright\endL\vskip\smallskipamount}
3145
3146 \defbeamertemplate*{block example begin}{inmargin}
3147 {
3148   \par\vskip\medskipamount%
3149   \leavevmode%
3150   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title example}\usebeamerfont*{block
3151   \beginL\beamer@putright
3152   %\usebeamercolor[fg]{block body example}% to be done
3153 }
3154
3155 \defbeamertemplate*{block example end}{inmargin}
3156 {\endbeamer@putright\endL\vskip\smallskipamount}
3157

```



```

3158 \bidi@AfterFile{beamerinnerthemerectangles-xetex-bidi.def}{%
3159 \setbeamertemplate{section in toc}[inmargin]%
3160 \setbeamertemplate{subsection in toc}[inmargin]%
3161 \setbeamertemplate{subsubsection in toc}[inmargin]%
3162 }
3163
3164

```

## 29 File beamerinnerthememetropolis-xetex-bidi.def

```

3165 \ProvidesFile{beamerinnerthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3166 \setbeamertemplate{title}{
3167 \bidi@beamer@ragged%
3168 \linespread{1.0}%
3169 \inserttitle%
3170 \par%
3171 \vspace*{0.5em}
3172 }
3173
3174 \setbeamertemplate{subtitle}{
3175 \bidi@beamer@ragged%
3176 \insertsubtitle%
3177 \par%
3178 \vspace*{0.5em}
3179 }
3180
3181 \bidi@csundef{beamer@@tmpop@section page@progressbar}
3182
3183 \defbeamertemplate{section page}{progressbar}{
3184 \centering
3185 \begin{minipage}{22em}
3186 \bidi@beamer@ragged
3187 \usebeamerfont{fg}{section title}
3188 \usebeamerfont{section title}
3189 \insertsectionhead\[-1ex]
3190 \usebeamertemplate*{progress bar in section page}
3191 \par
3192 \ifx\insertsubsectionhead\@empty\else%
3193 \usebeamerfont{fg}{subsection title}%
3194 \usebeamerfont{subsection title}%
3195 \insertsubsectionhead
3196 \fi
3197 \end{minipage}
3198 \par
3199 \vspace{\baselineskip}
3200 }
3201
3202 \setbeamertemplate{progress bar in section page}{
3203 \setlength{\metropolis@progressonsectionpage}{%
3204 \textwidth * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}}%
3205 }%
3206 \begin{tikzpicture}
3207 \fill[bg] (0,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3208 \if@RTLmain

```



```

3209 \fill[fg] (\textwidth-\metropolis@progressonsectionpage,0) rectangle (\textwidth, \metro
3210 \else
3211 \fill[fg] (0,0) rectangle (\metropolis@progressonsectionpage, \metropolis@progressonsect
3212 \fi
3213 \end{tikzpicture}%
3214 }
3215
3216 \renewcommand{\metropolis@block}[1]{
3217 \par\vskip\medskipamount%
3218 \setlength{\parskip}{Opt}
3219 \ifbeamercolorempy[bg]{block title#1}{%
3220 \if@RTL
3221 \begin{beamercolorbox}[leftskip=Opt plus 4em]{block title#1}%
3222 \else
3223 \begin{beamercolorbox}[rightskip=Opt plus 4em]{block title#1}%
3224 \fi
3225 }{%
3226 \ifbeamercolorempy[bg]{block title}{%
3227 \if@RTL
3228 \begin{beamercolorbox}[leftskip=Opt plus 4em]{block title#1}%
3229 \else
3230 \begin{beamercolorbox}[rightskip=Opt plus 4em]{block title#1}%
3231 \fi
3232 }%
3233 }%
3234 \if@RTL
3235 \begin{beamercolorbox}[
3236 sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3237 rightskip=\metropolis@blockadjust,
3238 leftskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3239 ]{block title#1}%
3240 \else
3241 \begin{beamercolorbox}[
3242 sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3243 leftskip=\metropolis@blockadjust,
3244 rightskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3245 ]{block title#1}%
3246 \fi
3247 }}%
3248 \usebeamerfont*{block title#1}%
3249 \metropolis@strut%
3250 \insertblocktitle%
3251 \metropolis@strut%
3252 \end{beamercolorbox}%
3253 \nointerlineskip%
3254 \ifbeamercolorempy[bg]{block body#1}{%
3255 \begin{beamercolorbox}[vmode]{block body#1}}{
3256 \ifbeamercolorempy[bg]{block body}{%
3257 \begin{beamercolorbox}[vmode]{block body#1}%
3258 }{%
3259 \begin{beamercolorbox}[sep=\metropolis@blocksep, vmode]{block body#1}%
3260 \vspace{-\metropolis@parskip}
3261 }}%
3262 \usebeamerfont{block body#1}%

```



```

3263     \setlength{\parskip}{\metropolis@parskip}%
3264 }
3265
3266
3267 \setbeamertemplate{footnote}{%
3268   \parindent 0em\noindent%
3269   \bidi@beamer@ragged
3270   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3271 }
3272
3273 \setbeamertemplate{RTLfootnote}{%
3274   \parindent 0em\noindent%
3275   \raggedleft
3276   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3277 }
3278
3279 \setbeamertemplate{LTRfootnote}{%
3280   \parindent 0em\noindent%
3281   \raggedright
3282   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3283 }
3284
3285 \setbeamertemplate{itemize items}{\textbullet}
3286
3287 \setbeamertemplate{section page}[progressbar]
3288
3289

```

### 30 File beamerinnerthemerectangles-xetex-bidi.def

```

3290 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for
3291 \setbeamertemplate{sections/subsections in toc}[square]
3292 \setbeamertemplate{items}[square]
3293

```

### 31 File beamerinnerthemeroounded-xetex-bidi.def

```

3294 \ProvidesFile{beamerinnerthemeroounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for b
3295 \setbeamertemplate{blocks}[rounded] [shadow=\beamer@themeroounded@shadow]
3296 \setbeamertemplate{items}[ball]
3297 \setbeamertemplate{sections/subsections in toc}[ball]
3298

```

### 32 File beamerouterthemedefault-xetex-bidi.def

```

3299 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for b
3300 \def\beamer@fteleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by1.
3301
3302 \def\beamer@fteright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightski
3303
3304 \AtBeginDocument{%
3305   \if@RTLmain
3306     \setbeamertemplate{frametitle}[default] [right]
3307   \fi

```



```

3308 }
3309
3310 \bidi@csundef{beamer@tmpop@note page@default}
3311
3312 \newcommand*{\bidi@beamer@today}{%
3313 \the\year-\ifnum\month<10\relax0\fi\the\month-\ifnum\day<10\relax0\fi\the\day}
3314
3315 \defbeamer-template*{note page}{default}
3316 {%
3317   {%
3318     \scriptsize
3319     \usebeamerfont{note title}\usebeamercolor[fg]{note title}%
3320     \ifbeamercolorempy[bg]{note title}{}%
3321     \insertvrule{.25\paperheight}{note title.bg}%
3322     \vskip-.25\paperheight%
3323     \nointerlineskip%
3324   }%
3325   \vbox{
3326     \hfill\insertslideintonotes{0.25}\hskip-\Gm@rmargin\hskip0pt%
3327     \vskip-0.25\paperheight%
3328     \nointerlineskip
3329     \if@RTL
3330     \begin{pgfpicture}{-\textwidth}{0cm}{-\textwidth}{0cm}
3331       \begin{pgflowlevelslope}{\pgftransformrotate{-90}}
3332         {\pgftransformshift{\pgfpoint{2cm}{0.2cm}}}%
3333         \pgftext[base,right]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3334       \end{pgflowlevelslope}
3335     \end{pgfpicture}%
3336     \else
3337     \begin{pgfpicture}{0cm}{0cm}{0cm}{0cm}
3338       \begin{pgflowlevelslope}{\pgftransformrotate{90}}
3339         {\pgftransformshift{\pgfpoint{-2cm}{0.2cm}}}%
3340         \pgftext[base,left]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3341       \end{pgflowlevelslope}
3342     \end{pgfpicture}%
3343     \fi}
3344   \nointerlineskip
3345   \vbox to .25\paperheight{\vskip0.5em
3346   \if@RTL
3347     \moveright0.25\textwidth
3348   \fi
3349   \hbox{\insertshorttitle[width=0.75\textwidth]}}%
3350   \setbox\beamer@tempbox=\hbox{\insertsection}%
3351
3352 \if@RTL
3353 \moveright\dimexpr0.29\textwidth-14pt\relax
3354 \fi
3355 \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip4pt\raise3pt\hbox{\vrule
3356       width0.4pt height7pt\vrule width 9pt
3357       height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}
3358 \if@RTL\endR\fi}}%
3359 \setbox\beamer@tempbox=\hbox{\insertsubsection}%
3360
3361 \if@RTL

```



```

3362 \moveright\dimexpr0.29\textwidth-27.4pt\relax
3363 \fi      \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip17.4pt\raise3pt\hbox{\vrule
3364          width0.4pt height7pt\vrule width 9pt
3365          height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{\
3366          \if@RTL\endR\fi}}%
3367          \setbox\beamer@tempbox=\hbox{\insertshortframetitle}}%
3368
3369 \if@RTL
3370 \moveright\dimexpr0.33\textwidth-40.8pt\relax
3371 \fi      \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip30.8pt\raise3pt\hbox{\vrule
3372          width0.4pt height7pt\vrule width 9pt
3373          height0.4pt}}\hskip1pt\hbox{\insertshortframetitle[width=0.67\textwidth]}\fi}%
3374          \if@RTL\endR\fi}}%
3375          \vfil}}%
3376   }%
3377 \ifbeamercoloreempty[bg]{note page}{}{%
3378   \nointerlineskip%
3379   \insertvrule{.75\paperheight}{note page.bg}%
3380   \vskip-.75\paperheight%
3381   }%
3382 \vskip.25em
3383 \nointerlineskip
3384 \insertnote
3385 }
3386
3387
3388

```

### 33 File beamerouterthemefocus-xetex-bidi.def

```

3389 \ProvidesFile{beamerouterthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for bea
3390 \bidi\undef\beamer@tmpop@footline@progressbar
3391
3392 \defbeamertemplate*{footline}{progressbar}{%
3393   % If not appendix.
3394   \ifnum\mainend<0% From package appendixnumberbeamer.
3395   %
3396   \settowidth{\focus@pbar@leftoffset}{1}%
3397   \addtolength{\focus@pbar@leftoffset}{1.5em}%
3398   %
3399   \ifx\beamer@focus@totalframenum\no%
3400     \settowidth{\focus@pbar@rightoffset}{}%
3401     \addtolength{\focus@pbar@rightoffset}{0.5em}%
3402   \else%
3403     \settowidth{\focus@pbar@rightoffset}{\inserttotalframenum}%
3404     \addtolength{\focus@pbar@rightoffset}{1.5em}%
3405   \fi%
3406   %
3407   % If not title page.
3408   \ifnum\value{realframenum}>0%
3409     \ifnum\value{framenum}<\inserttotalframenum%
3410       \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]\usebeamerfont{footli
3411       \pgfmathsetmacro{\focus@pbar@progress}%
3412       {(\paperwidth-\focus@pbar@leftoffset-\focus@pbar@rightoffset)*(\inse

```



```

3413
3414 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3415 \if@RTLmain
3416 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3417 \fill[footline.bg] (\paperwidth-\the\focus@pbar@leftoffset,0) rectangle
3418 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west,
3419 \else
3420 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3421 \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pbar@leftoffset,\the\focus@pbar@height);
3422 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=east,
3423 \fi
3424 \ifx\beamer@focus@totalframenumbering\no%
3425 \else%
3426 \if@RTLmain
3427 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3428 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=east,
3429 \else
3430 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3431 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west,
3432 \fi
3433 \fi%
3434 \end{tikzpicture}%
3435 \else%
3436 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]
3437 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3438 \fill[footline.bg] (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3439 \if@RTLmain
3440 \node[anchor=west, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height});
3441 \else
3442 \node[anchor=east, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height});
3443 \fi
3444 \ifx\beamer@focus@totalframenumbering\no%
3445 \else%
3446 \if@RTLmain
3447 \node[footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height});
3448 \node[anchor=east, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height});
3449 \else
3450 \node[footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height});
3451 \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height});
3452 \fi
3453 \fi%
3454 \end{tikzpicture}%
3455 \fi%
3456 \fi%
3457 \fi%
3458 }
3459
3460

```

## 34 File beamerouterthemeinfoclines-xetex-bidi.def

```

3461 \ProvidesFile{beamerouterthemeinfoclines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for
3462 \bidi@csundef{beamer@tmpop@footline@infoclines theme}
3463

```



```

3464 \defbeamertheme*{footline}{infolines theme}
3465 {%
3466   \leavevmode%
3467   \hbox{%
3468     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}%
3469       \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\b
3470     \end{beamercolorbox}%
3471     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}%
3472       \usebeamerfont{title in head/foot}\insertshorttitle
3473     \end{beamercolorbox}%
3474     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,s
3475       \hfill%
3476       \usebeamerfont{date in head/foot}%
3477       \insertshortdate{}%
3478       \hfill%
3479       \bgroup
3480       \usebeamercolor[fg]{page number in head/foot}%
3481       \usebeamerfont{page number in head/foot}%
3482       \usebeamerfont{page number in head/foot}%
3483       \egroup
3484     \end{beamercolorbox}}%
3485     \vskip0pt%
3486   }
3487
3488 \bidi@csundef{beamer@@tmpop@headline@infolines theme}
3489
3490 \defbeamertheme*{headline}{infolines theme}
3491 {%
3492   \leavevmode%
3493   \hbox{%
3494     \if@RTL
3495       \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
3496     \else
3497       \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
3498     \fi
3499       \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
3500     \end{beamercolorbox}%
3501     \if@RTL
3502       \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}%
3503     \else
3504       \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/foot}%
3505     \fi
3506       \usebeamerfont{subsection in head/foot}\hspace*{2ex}\insertsubsectionhead
3507     \end{beamercolorbox}}%
3508     \vskip0pt%
3509   }
3510
3511 \bidi@AfterFile{beamerouterthememetroplit-xetex-bidi.def}{%
3512   \setbeamertheme{footline}{infolines theme}%
3513 }
3514

```

## 35 File beamerouterthememetroplit-xetex-bidi.def





```

3515 \ProvidesFile{beamerouterthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3516 \setbeamertemplate{progress bar in head/footer}{
3517   \nointerlineskip
3518   \setlength{\metropolis@progressinheadfoot}{%
3519     \paperwidth * \ratio{\insertframenum ber pt}{\inserttotalframenum ber pt}}%
3520   }%
3521   \begin{beamercolorbox}[wd=\paperwidth]{progress bar in head/footer}
3522     \begin{tikzpicture}
3523       \fill[bg] (0,0) rectangle (\paperwidth, \metropolis@progressinheadfoot@linewidth);
3524   \if@RTLmain
3525     \fill[fg] (\paperwidth-\metropolis@progressinheadfoot,0) rectangle (\paperwidth, \metr
3526   \else
3527     \fill[fg] (0,0) rectangle (\metropolis@progressinheadfoot, \metropolis@progressinheadf
3528   \fi
3529     \end{tikzpicture}%
3530   \end{beamercolorbox}
3531 }
3532
3533 \AtBeginDocument{%
3534   \setbeamertemplate{frametitle}[plain]%
3535 }
3536
3537

```

## 36 File beamerouterthememiniframes-xetex-bidi.def

```

3538 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3539 \bidi@csundef{beamer@tmpop@headline@miniframes theme}
3540
3541 \defbeamertemplate*{headline}{miniframes theme}
3542 {%
3543   \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
3544   \end{beamercolorbox}
3545   \begin{beamercolorbox}{section in head/footer}
3546     \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt
3547   \end{beamercolorbox}%
3548   \ifbeamer@theme@subsection%
3549     \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
3550     \end{beamercolorbox}
3551     \if@RTL
3552     \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3553       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/footer}
3554     \else
3555     \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3556       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/footer}
3557     \fi
3558     \usebeamerfont{subsection in head/footer}\insertsubsectionhead
3559     \end{beamercolorbox}%
3560   \fi%
3561   \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
3562   \end{beamercolorbox}
3563 }
3564
3565

```



### 37 File beamerouterthemesidebar-xetex-bidi.def

```
3566 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for b
3567 \bidi@csundef{beamer@tmpop@frametitle@sidebar theme}
3568
3569 \bidi@csundef{beamer@tmpop@headline@sidebar theme}
3570
3571 \bidi@csundef{beamer@tmpop@sidebar left@sidebar theme}
3572
3573 \bidi@csundef{beamer@tmpop@sidebar right@sidebar theme}
3574
3575 \ifdim\beamer@headheight>0pt
3576
3577   \defbeamertemplate*{frametitle}{sidebar theme}
3578   {%
3579     \nointerlineskip%
3580     \ifbeamer@plainframe%
3581       \hbox{\usebeamercolor[bg]{frametitle}%
3582         \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
3583         \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\bea
3584         \nointerlineskip%
3585       \fi%
3586       \vskip-\beamer@headheight%
3587       \vbox to \beamer@headheight{%
3588         \vfil
3589         \bidi@beamer@leftskip=-\beamer@leftmargin%
3590         \advance\bidi@beamer@leftskip by0.3cm%
3591         \bidi@beamer@rightskip=-\beamer@rightmargin%
3592         \advance\bidi@beamer@rightskip by0.3cm plus1fil%
3593         {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par}
3594         \ifx\insertframesubtitle\@empty\else%
3595           {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframesu
3596         \fi%
3597         \vbox{}%
3598         \vskip-1em%
3599         \vfil
3600       }%
3601   }
3602
3603 \AtBeginDocument{%
3604   \setbeamertemplate{frametitle}[sidebar theme]%
3605 }
3606
3607 \defbeamertemplate*{headline}{sidebar theme}
3608 {%
3609   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
3610     \ifx\beamer@sidebarside\beamer@lefttext%
3611       \else%
3612         \hfill%
3613       \fi%
3614     \ifdim\beamer@sidebarwidth>0pt%
3615       \bgroup
3616       \usebeamercolor[bg]{logo}%
3617     \if@RTLmain
```



```

3618     \else
3619         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3620         \hskip-\beamer@sidebarwidth%
3621     \fi
3622     \hbox to \beamer@sidebarwidth{\hss\vbox to
3623         \beamer@headheight{\vss\hbox{\color{fg}\insertlogo}}\vss}\hss}%
3624     \if@RTLmain
3625         \hskip-\beamer@sidebarwidth%
3626         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3627     \fi
3628     \egroup
3629 \else%
3630     \vrule width0pt height \beamer@headheight%
3631 \fi%
3632 \end{beamercolorbox}
3633 }
3634 \fi
3635
3636 \def\beamer@sidebarformat#1#2#3{%
3637 \if@RTL
3638 \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{#
3639 \else
3640 \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{#
3641 \fi
3642     \vbox{%
3643         #3\par%
3644         \vbox{%
3645             \vskip-1.5ex%
3646         \end{beamercolorbox}
3647 }
3648
3649 \ifdim\beamer@sidebarwidth>0pt
3650
3651 \AtBeginDocument{%
3652     \setbeamersize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
3653 }
3654
3655 \defbeamer*template*{sidebar \beamer@sidebarside}{sidebar theme}
3656 {
3657     \beamer@tempdim=\beamer@sidebarwidth%
3658     \advance\beamer@tempdim by -6pt%
3659     {\usebeamerfont{title in sidebar}%
3660         \vskip1.5em%
3661         \hskip3pt%
3662         \bgroup
3663         \usebeamercolor[fg]{title in sidebar}%
3664         \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3665         \vskip1.25em%
3666     }%
3667     {%
3668         \hskip3pt%
3669         \bgroup
3670         \usebeamercolor[fg]{author in sidebar}%
3671         \usebeamerfont{author in sidebar}%

```



```

3672     \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3673     \vskip1.25em%
3674   }%
3675   \insertverticalnavigation{\beamer@sidebarwidth}%
3676   \vfill
3677   \ifx\beamer@sidebarside\beamer@lefttext%
3678   \else%
3679     \usebeamercolor{normal text}%
3680     \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
3681     \vskip2pt%
3682   \fi%
3683 }%
3684 \fi
3685

```

### 38 File beamerouterthemesplit-xetex-bidi.def

```

3686 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for be
3687 \bidi@csundef{beamer@tmpop@footline@split theme}
3688
3689 \defbeamertemplate*{footline}{split theme}
3690 {%
3691   \leavevmode%
3692   \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm pl
3693   \else
3694   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightski
3695   \fi
3696     \usebeamerfont{author in head/foot}\insertshortauthor
3697   \end{beamercolorbox}}%
3698   \if@RTL
3699     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm
3700   \else
3701     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm p
3702   \fi
3703     \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bggroup\usebeamercolor[
3704     \end{beamercolorbox}}}%
3705     \vskip0pt%
3706 }
3707
3708

```

### 39 File beamerouterthemeshadow-xetex-bidi.def

```

3709 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for be
3710 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitlesh
3711   color(0pt)=(frametitle right.bg);
3712   color(\paperwidth)=(frametitle.bg)
3713 }
3714
3715 \newcommand*{\bidi@beamer@frametitleshade}{%
3716   \if@RTLmain
3717     \pgfuses shading{bidi@beamer@RTL@frametitleshade}%
3718   \else
3719     \pgfuses shading{beamer@frametitleshade}%

```



```

3720 \fi
3721 }
3722
3723 \bidi@csundef{beamer@tmpop@frametitle@shadow theme}
3724
3725 \defbeamertemplate*{frametitle}{shadow theme}
3726 {%
3727 \nointerlineskip%
3728 \vskip-2pt%
3729 \hbox{\leavevmode
3730 \advance\beamer@leftmargin by -12bp%
3731 \advance\beamer@rightmargin by -12bp%
3732 \beamer@tempdim=\textwidth%
3733 \advance\beamer@tempdim by \beamer@leftmargin%
3734 \advance\beamer@tempdim by \beamer@rightmargin%
3735 \hskip-\Gm@lmargin\hbox{%
3736 \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
3737 \vbox{\vskip-.75ex%
3738 \bidi@beamer@leftskip0.3cm%
3739 \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
3740 \bgrouper\usebeamerfont[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframesubtitle%
3741 \ifx\insertframesubtitle@empty\else%
3742 {\usebeamerfont*{framesubtitle}\usebeamerfont[fg]{framesubtitle}\insertframesubtitle%
3743 \fi%
3744 \nointerlineskip
3745 \vbox{}%
3746 \end{minipage}}%
3747 \beamer@tempdim=\ht\beamer@tempbox%
3748 \advance\beamer@tempdim by 2pt%
3749 \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
3750 \begin{pgfscope}
3751 \pgfsetfillcolor{black}%
3752 \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
3753 \pgfsetfading{beamer@topshadowmask}{}%
3754 \pgfusepath{fill}%
3755 \end{pgfscope}
3756 \begin{pgfscope}
3757 \usebeamerfont{frametitle right}%
3758 \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
3759 \pgfusepath{clip}%
3760 \pgftext[left,base]{\bidi@beamer@frametitleshade}%
3761 \end{pgfscope}
3762 \end{pgfpicture}
3763 \hskip-\paperwidth%
3764 \box\beamer@tempbox%
3765 }%
3766 \hskip-\Gm@rmargin%
3767 }%
3768 \vskip-2pt
3769 }
3770
3771 \AtBeginDocument{%
3772 \setbeamertemplate{frametitle}[shadow theme]%
3773 }

```



3774  
3775

## 40 File beamerouterthemessmoothbars-xetex-bidi.def

```
3776 \ProvidesFile{beamerouterthemessmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3777 \bidi@csundef{beamer@tmpop@headline@smoothbars theme}
3778
3779 \bidi@csundef{beamer@tmpop@frametitle@smoothbars theme}
3780
3781 \defbeamer*template*{headline}{smoothbars theme}
3782 {%
3783   \pgfuses shading{beamer@barshade}%
3784   \vskip-0.05ex%
3785   \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3786   \begin{pgfpicture}
3787     \begin{pgfscope}%
3788       \ifbeamer@sb@subsection%
3789         \pgfsetfillcolor{subsection in head/foot.bg}%
3790       \else%
3791         \pgfsetfillcolor{section in head/foot.bg}%
3792       \fi%
3793       \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3794       \pgfsetfading{beamer@belowframetitlemask}{}%
3795       \pgfusepath{fill}%
3796     \end{pgfscope}%
3797   \end{pgfpicture}%
3798   \end{beamer colorbox}%
3799   \ifbeamer@sb@subsection%
3800     \vskip-9.75ex%
3801   \else%
3802     \vskip-6.85ex%
3803   \fi%
3804   \begin{beamer colorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}
3805     \insertnavigation{\paperwidth}
3806   \end{beamer colorbox}%
3807   \ifbeamer@sb@subsection%
3808   \if@RTL
3809     \begin{beamer colorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3810       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3811     \else
3812     \begin{beamer colorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3813       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3814     \fi
3815     \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3816     \end{beamer colorbox}%
3817   \fi%
3818 }%
3819
3820 \defbeamer*template*{frametitle}{smoothbars theme}
3821 {%
3822   \nointerlineskip%
3823   \vskip-0.19ex%
3824   \usebeamerfont{headline}%
```



```

3825 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3826   \pgfuses shading{beamer@aboveframetitle}%
3827 \end{beamercolorbox}%
3828 \vskip-1ex%
3829 \nointerlineskip%
3830 \if@RTL
3831 \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{frameti
3832 \else
3833 \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{frameti
3834 \fi
3835   \vskip0.5ex%
3836   \usebeamerfont*{frametitle}\strut\insertframetitle%
3837   \ifx\insertframesubtitle\@empty%
3838     \strut\par%
3839   \else
3840     \par{\usebeamerfont*{framesubtitle}\usebeamercolor[fg]{framesubtitle}\strut\insertf
3841   \fi}%
3842   \usebeamerfont{headline}%
3843   \vskip0.05ex%
3844 \end{beamercolorbox}%
3845 \nointerlineskip%
3846 \vskip-0.05ex%
3847 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3848 \begin{pgfpicture}
3849   \begin{pgfscope}%
3850     \pgfsetfillcolor{frametitle.bg}%
3851     \pgfpathrectangle{\pgfpoint{- .5\paperwidth}{- .5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3852     \pgfsetfading{beamer@belowframetitlemask}{}%
3853     \pgfusepath{fill}%
3854   \end{pgfscope}%
3855 \end{pgfpicture}%
3856 \end{beamercolorbox}%
3857 }
3858
3859 \AtBeginDocument{%
3860   \setbeamertemplate{frametitle}[smoothbars theme]%
3861 }
3862
3863

```

## 41 File beamerouterthemesmoothtree-xetex-bidi.def

```

3864 \ProvidesFile{beamerouterthemesmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3865 \bidi@csundef{beamer@tmpop@headline@smoothtree theme}
3866
3867 \bidi@csundef{beamer@tmpop@frametitle@smoothtree theme}
3868
3869 \defbeamertemplate*{headline}{smoothtree theme}
3870 {%
3871   \pgfuses shading{beamer@treeshade}%
3872   \vskip-0.05ex%
3873   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3874   \begin{pgfpicture}
3875     \begin{pgfscope}%

```



```

3876     \pgfsetfillcolor{subsection in head/foot.bg}%
3877     \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3878     \pgfsetfading{beamer@belowframetitlemask}{}%
3879     \pgfusepath{fill}%
3880     \end{pgfscope}%
3881 \end{pgfpicture}%
3882 \end{beamercolorbox}%
3883 \vskip-9.15ex%
3884 \if@RTL
3885 \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3886     rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3887 \else
3888 \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3889     leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3890 \fi
3891     \usebeamerfont{title in head/foot}\insertshorttitle
3892 \end{beamercolorbox}
3893 \if@RTL
3894     \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3895     rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3896 \else
3897 \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3898     leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3899 \fi
3900     \usebeamerfont{section in head/foot}%
3901     \hskip6pt\insertsectionhead
3902 \end{beamercolorbox}
3903 \if@RTL
3904     \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3905     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3906 \else
3907 \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3908     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3909 \fi
3910     \usebeamerfont{subsection in head/foot}%
3911     \hskip12pt\insertsubsectionhead
3912 \end{beamercolorbox}
3913 \vskip-0.4ex%
3914 }
3915
3916 \defbeamertemplate*{frametitle}{smoothtree theme}
3917 {%
3918     \nointerlineskip%
3919     \vskip-0.05ex%
3920     \usebeamerfont{headline}%
3921     \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3922     \pgfuses shading{beamer@aboveframetitle}%
3923     \end{beamercolorbox}
3924     \nointerlineskip%
3925     \if@RTL
3926     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3927 \else
3928     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3929 \fi

```





```

3930 \vskip-1.2ex%
3931 \usebeamerfont*{frametitle}\strut\insertframetitle%
3932 \ifx\insertframesubtitle\@empty%
3933 \strut\par%
3934 \else
3935 \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertf
3936 \fi}%
3937 \usebeamerfont{headline}%
3938 \end{beamercolorbox}%
3939 \nointerlineskip
3940 \vskip-0.2ex%
3941 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3942 \begin{pgfpicture}
3943 \begin{pgfscope}%
3944 \pgfsetfillcolor{frametitle.bg}%
3945 \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3946 \pgfsetfading{beamer@belowframetitlemask}{}%
3947 \pgfusepath{fill}%
3948 \end{pgfscope}%
3949 \end{pgfpicture}%
3950 \end{beamercolorbox}%
3951 }
3952
3953
3954 \AtBeginDocument{%
3955 \setbeamertemplate{frametitle}[smoothtree theme]%
3956 }
3957
3958

```

## 42 File beamerouterthemetree-xetex-bidi.def

```

3959 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beam
3960 \bidi@csundef{beamer@tmpop@headline@tree theme}
3961
3962 \defbeamertemplate*{headline}{tree theme}
3963 {%
3964 \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3965 \end{beamercolorbox}
3966 \if@RTL
3967 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3968 rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3969 \else
3970 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3971 leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3972 \fi
3973 \usebeamerfont{title in head/foot}\insertshorttitle
3974 \end{beamercolorbox}
3975 \if@RTL
3976 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3977 rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3978 \else
3979 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3980 leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}

```



```

3981 \fi
3982 \usebeamerfont{section in head/foot}%
3983 \ifbeamer@tree@showhooks
3984 \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3985 \ifdim\wd\beamer@tempbox>1pt%
3986 \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0.
3987 \hskip1pt%
3988 \fi%
3989 \else%
3990 \hskip6pt%
3991 \fi%
3992 \insertsectionhead
3993 \end{beamercolorbox}
3994 \if@RTL
3995 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3996 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3997 \else
3998 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3999 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
4000 \fi
4001 \usebeamerfont{subsection in head/foot}%
4002 \ifbeamer@tree@showhooks
4003 \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%
4004 \ifdim\wd\beamer@tempbox>1pt%
4005 \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height
4006 \hskip1pt%
4007 \fi%
4008 \else%
4009 \hskip12pt%
4010 \fi%
4011 \insertsubsectionhead
4012 \end{beamercolorbox}
4013 \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
4014 \end{beamercolorbox}
4015 }
4016
4017

```

### 43 File beamerthemeHannover-xetex-bidi.def

```

4018 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beame
4019 \AtBeginDocument{%
4020 \if@RTLmain
4021 \setbeamertemplate{frametitle}[default][left]%
4022 \else
4023 \setbeamertemplate{frametitle}[default][right]%
4024 \fi
4025 }
4026
4027

```

### 44 File beamerthemeSingapore-xetex-bidi.def

```

4028 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beam

```



```

4029 \addtoheadtemplate{\pgfuses shading{beamer@headfade}\vskip-1.25cm}{ }
4030
4031 \beamertemplatedotitem
4032
4033 \AtBeginDocument{%
4034   \setbeamertemplate{frametitle}[default][center]%
4035 }
4036
4037

```

## 45 File bidi.sty

```

4038 \NeedsTeXFormat{LaTeX2e}
4039 \def\bididate{2025/01/01}
4040 \def\bidi@version{40.9}
4041 \def\bidi@releasename{William Paul Thurston}
4042 \newcommand*\bidireleasename{\bidi@releasename}
4043 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space (Release \bidi@releasename)\space
4044 Bidirectional typesetting in plain TeX and LaTeX]
4045 \newif\if@bidi@banner
4046 \newif\if@bidi@pdfbanner
4047 \newif\iffootdir@debug
4048 \newif\if@extrafootnotefeatures
4049 \newif\if@nonlatin
4050 \newif\if@bidi@pdfm@mark
4051 \newif\if@bidi@perpage@footnote
4052 \ExplSyntaxOn
4053 \keys_define:nn { bidi }
4054 {
4055   banner .choice: ,
4056   banner / on .code:n = \@bidi@bannertrue ,
4057   banner / off .code:n = \@bidi@bannerfalse ,
4058   banner .default:n = on
4059 }
4060 \keys_define:nn { bidi }
4061 {
4062   PDFbanner .choice: ,
4063   PDFbanner / on .code:n = \@bidi@pdfbannertrue ,
4064   PDFbanner / off .code:n = \@bidi@pdfbannerfalse ,
4065   PDFbanner .default:n = on
4066 }
4067 \keys_define:nn { bidi }
4068 {
4069   RTLdocument .choice: ,
4070   RTLdocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4071   RTLdocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4072   RTLdocument .default:n = on
4073 }
4074 \keys_define:nn { bidi }
4075 {
4076   rldocument .choice: ,
4077   rldocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4078   rldocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4079   rldocument .default:n = on

```



```

4080 }
4081 \keys_define:nn { bidi }
4082 {
4083   documentdirection .choice: ,
4084   documentdirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtrue} ,
4085   documentdirection / lefttoright .code:n = \AtEndOfPackage{\@RTLfalse}
4086 }
4087 \keys_define:nn { bidi }
4088 {
4089   tabledirection .choice: ,
4090   tabledirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtabtrue} ,
4091   tabledirection / lefttoright .code:n = \AtEndOfPackage{\@RTLtabfalse}
4092 }
4093 \keys_define:nn { bidi }
4094 {
4095   footnotedirection .choice: ,
4096   footnotedirection / righttoleft .code:n = \AtEndOfPackage{\@RTL@footnotetrue} ,
4097   footnotedirection / lefttoright .code:n = \AtEndOfPackage{\@RTL@footnotefalse}
4098 }
4099 \keys_define:nn { bidi }
4100 {
4101   debugfootnotedirection .choice: ,
4102   debugfootnotedirection / on .code:n = \footdir@debugtrue ,
4103   debugfootnotedirection / off .code:n = \footdir@debugfalse ,
4104   debugfootnotedirection .default:n = on
4105 }
4106 \keys_define:nn { bidi }
4107 {
4108   footnoterule .choice: ,
4109   footnoterule / automatic .code:n = \AtEndOfPackage{\autofootnoterule} ,
4110   footnoterule / left .code:n = \AtEndOfPackage{\leftfootnoterule} ,
4111   footnoterule / right .code:n = \AtEndOfPackage{\rightfootnoterule} ,
4112   footnoterule / split .code:n = \AtEndOfPackage{\SplitFootnoteRule} ,
4113   footnoterule / textwidth .code:n = \AtEndOfPackage{\textwidthfootnoterule}
4114 }
4115 \keys_define:nn { bidi }
4116 {
4117   extrafootnotefeatures .choice: ,
4118   extrafootnotefeatures / on .code:n = \@extrafootnotefeaturestrue ,
4119   extrafootnotefeatures / off .code:n = \@extrafootnotefeaturesfalse ,
4120   extrafootnotefeatures .default:n = on
4121 }
4122 \keys_define:nn { bidi }
4123 {
4124   script .choice: ,
4125   script / latin .code:n = \@nonlatinfalse ,
4126   script / nonlatin .code:n = \@nonlatintrue ,
4127   script .default:n = latin
4128 }
4129 \keys_define:nn { bidi }
4130 {
4131   DetectColumn .choice: ,
4132   DetectColumn / on .code:n =
4133     \def\bidi@firstcolumn@status@write{%

```



```

4134     \protected@write\@auxout{%
4135         {\string\bidicolumn@status
4136         {1}}}
4137     \def\bidicolumn@status@write{%
4138         \protected@write\@auxout{%
4139             {\string\bidicolumn@status{2}}} ,
4140     DetectColumn / off .code:n =
4141         \let\bidifirstcolumn@status@write\relax
4142         \let\bidilastcolumn@status@write\relax ,
4143     DetectColumn .default:n = on
4144     }
4145 \keys_define:nn { bidi }
4146 {
4147     logo .choice: ,
4148     logo / on .code:n = \AtEndOfPackage{\AtBeginDocument{\@bidi@inslogo}} ,
4149     logo / off .code:n = \let\@bidi@logo@\empty \let\@bidi@inslogo@\empty ,
4150     logo .default:n = on
4151 }
4152 \keys_define:nn { bidi }
4153 {
4154     pdfinfo .choice: ,
4155     pdfinfo / on .code:n = \@bidi@pdfm@marktrue ,
4156     pdfinfo / off .code:n = \@bidi@pdfm@markfalse ,
4157     pdfinfo .default:n = on
4158 }
4159 % The `perpagefootnote' option is documented in UK TeX FAQ at
4160 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
4161 \keys_define:nn { bidi }
4162 {
4163     perpagefootnote .choice: ,
4164     perpagefootnote / on .code:n = \@bidi@perpage@footnotetrue ,
4165     perpagefootnote / off .code:n = \@bidi@perpage@footnotefalse ,
4166     perpagefootnote .default:n = on
4167 }
4168 \keys_set:nn { bidi }
4169 {
4170     banner = on ,
4171     PDFbanner = on ,
4172     DetectColumn = off
4173 }
4174 }
4175 \ExplSyntaxOff
4176 \ProcessKeyOptions
4177 \edef\@bidi@info{*****~J%
4178 * ~J%
4179 * bidi package (Bidirectional typesetting in~J%
4180 * plain TeX and LaTeX, using XeTeX engine)~J%
4181 * ~J%
4182 * Description: A convenient interface for~J%
4183 * typesetting bidirectional texts in plain TeX~J%
4184 * and LaTeX. The package includes adaptations~J%
4185 * for use with many other commonly-used packages.~J%
4186 * ~J%
4187 * Copyright (c) 2007--2025 Vafa Khalighi~J%

```



```

4188 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
4189 * ^^J%
4190 * v\bidi@version\space (Release \bidi@releasename), \bididate^^J%
4191 * ^^J%
4192 * License: LaTeX Project Public License, version^^J%
4193 * 1.3c or higher (your choice)^^J%
4194 * ^^J%
4195 * Location on CTAN: /macros/xetex/latex/bidi^^J%
4196 * ^^J%
4197 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4198 * ^^J%
4199 * Discussions: https://github.com/xepersian/bidi/discussions^^J%
4200 * ^^J%
4201 * Primary author of bidi package: Vafa Khalighi.^^J%
4202 * ^^J%
4203 *****}
4204 \edef\bidi@everyjob{\the\everyjob}
4205 \if@bidi@banner
4206   \typeout{\@bidi@info}
4207   \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
4208 \fi
4209 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
4210 \newcommand*{\IfbidiPackageVersionLater}[1]{%
4211   \ifdim\bidi@version pt > #1 pt %
4212     \expandafter\@firstoftwo
4213   \else
4214     \expandafter\@secondoftwo
4215   \fi}
4216 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
4217   \ifdim\bidi@version pt < #1 pt %
4218     \expandafter\@firstoftwo
4219   \else
4220     \expandafter\@secondoftwo
4221   \fi}
4222 \newcommand*{\IfbidiPackageVersion}[1]{%
4223   \ifdim\bidi@version pt = #1 pt %
4224     \expandafter\@firstoftwo
4225   \else
4226     \expandafter\@secondoftwo
4227   \fi}
4228 \RequirePackage{iftex}
4229 \RequireXeTeX
4230 \RequirePackage{biditools}
4231 \RequirePackage{zref-abspage}
4232 \RequirePackage{auxhook}
4233 \RequirePackage{ltxcmds}
4234 \eqnewif{\if@RTLmain}{\if@rlmain}
4235 \eqnewif{\if@RTL}{\if@rl}
4236 \newcommand*{\setlatin}{\@nonlatinfalse}
4237 \newcommand*{\setnonlatin}{\@nonlatintrue}
4238 \eqnewif{\if@RTLtab}{\if@tab@rl}
4239 \newif\if@hboxRconstruct
4240 \newif\if@bidi@pdfencrypt
4241 \newcommand*{\setRTLtable}{\@RTLtabtrue}

```



```

4242 \newcommand*\setLTRtable}{\@RTLtabfalse}
4243 \newif\if@RTLMarginpar
4244 \newif\if@LTRmarginpar
4245 \newif\if@LTRbibitems
4246 \newif\if@RTLbibitems
4247 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
4248 \newif\if@bidi@list@minipage@parbox
4249 \newif\if@bidi@list@minipage@parbox@not@nob
4250 \newcommand*\@bidi@pdfcreator}{%
4251   The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4252 }
4253 \newcommand*\@bidi@pdfproducer}{%
4254   The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4255 }
4256 \newcommand*\@bidi@pdfcustomproperties}{%
4257   This is the bidi package, Version \bidi@version\space (Release \bidi@releasename),
4258   Released January 1, 2025.
4259 }
4260 \newcommand*\bidi@beamer@ragged}{%
4261 \@RTLmainfalse
4262 \AtBeginDocument{%
4263   \if@RTLmain\else
4264     \if@RTL\@RTLmaintrue%
4265     \else\@RTLmainfalse%
4266     \fi%
4267 \fi%
4268 }
4269 \let\n@xt=\
4270 \bidi@newrobustcmd*\LRE}{\protect\pLRE}%
4271 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4272 \bidi@newrobustcmd*\RLE}{\protect\pRLE}
4273 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4274 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4275   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4276 \newinsert\@bidi@copyins@
4277 \skip\@bidi@copyins@=12\p@
4278 \dimen\@bidi@copyins@=40pc
4279 \count\@bidi@copyins@=1000
4280 \newcommand*\@bidi@inslogo@{\insert\@bidi@copyins@\@bidi@logo@}
4281 \newcommand*\@bidi@logo@hb@xt@columnwidth}{%
4282 \if@RTLmain
4283   \if@twocolumn
4284     \hboxR to \columnwidth
4285   \else
4286     \hboxR to \textwidth
4287   \fi
4288 \else
4289   \if@twocolumn
4290     \hboxL to \columnwidth
4291   \else
4292     \hboxL to \textwidth
4293   \fi
4294 \fi
4295 }

```



```

4296 \newcommand*{\@bidi@logo}[1]{%
4297   \toks@{%
4298     \setbox\z@\hbox{%
4299       \special{%
4300         pdf:image width 50pt height 50pt (#1)%
4301       }
4302     }%
4303     \dp\z@\z@
4304     \ht\z@=50pt
4305     \wd\z@=50pt
4306     \beginL
4307     \lower20pt\box\z@
4308     \endL
4309   }%
4310   \the\toks@
4311 }
4312 \newcount\bidi@typesethour
4313 \newcount\bidi@typesetminute
4314 \bidi@typesethour=\time
4315 \divide\bidi@typesethour 60
4316 \bidi@typesetminute=-\bidi@typesethour
4317 \multiply\bidi@typesetminute 60
4318 \advance\bidi@typesetminute \time
4319 \newcommand*{\TypesetHour}{\two@digits\bidi@typesethour}
4320 \newcommand*{\TypesetMinute}{\two@digits\bidi@typesetminute}
4321 \newcommand*{\TypesetTime}{\TypesetHour:\TypesetMinute}
4322 \newcommand*{\@bidi@logo@}{%
4323   \@bidi@logo@hb@xt@columnwidth
4324   {\hss\LRE{\bfseries Typeset {\today} at {\TypesetTime} by the \textsf{bidi}
4325     package\quad\@bidi@logo{bidi-logo.pdf}}}}
4326 \ExplSyntaxOn
4327 \keys_define:nn { bidi / pdfencrypt }
4328 {
4329   userpassword .code:n = \def\bidi@pdfencrypt@userpassword{#1} ,
4330   userpassword .default:n =
4331 }
4332 \keys_define:nn { bidi / pdfencrypt }
4333 {
4334   ownerpassword .code:n = \def\bidi@pdfencrypt@ownerpassword{#1} ,
4335   ownerpassword .default:n =
4336 }
4337 \keys_define:nn { bidi / pdfencrypt }
4338 {
4339   keylength .code:n = \def\bidi@pdfencrypt@keylength{#1} ,
4340   keylength .default:n = 128
4341 }
4342 \keys_define:nn { bidi / pdfencrypt }
4343 {
4344   permissionflags .code:n = \def\bidi@pdfencrypt@permissionflags{#1} ,
4345   permissionflags .default:n = 2052
4346 }
4347 \NewDocumentCommand \pdfencryptsetup {m} { \keys_set:nn { bidi / pdfencrypt } {#1} }
4348 \ExplSyntaxOff
4349 \@onlypreamble\pdfencryptsetup

```





```

4350 \input{latex-xetex-bidi.def}
4351 \input{loadingorder-xetex-bidi.def}
4352
4353 \pdfencryptsetup{%
4354   userpassword,%
4355   ownerpassword,%
4356   keylength,%
4357   permissionflags%
4358 }
4359
4360 \if@extrafootnotefeatures
4361   \input{extrafootnotefeatures-xetex-bidi.def}
4362 \fi
4363 \newcount\ bidi@digits
4364 \XeTeXinterchartokenstate=\@one
4365 \newXeTeXintercharclass\ bidi@digits@charclass
4366 \newXeTeXintercharclass\ bidi@sepmark@charclass
4367 \XeTeXcharclass \. \ bidi@sepmark@charclass
4368 \XeTeXcharclass \- \ bidi@sepmark@charclass
4369 \ bidi@digits=\@0 \loop \XeTeXcharclass \ bidi@digits \ bidi@digits@charclass \ifnum\ bidi@digit
4370 \ bidi@digits=\ \loop \XeTeXcharclass \ bidi@digits \ bidi@digits@charclass \ifnum\ bidi@digit
4371 \ bidi@digits=\ \loop \XeTeXcharclass \ bidi@digits \ bidi@digits@charclass \ifnum\ bidi@digit
4372 \XeTeXinterchartoks \ bidi@sepmark@charclass \ bidi@digits@charclass = {\DigitsDotDashInterCh
4373 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
4374 \ bidi@AtEndPreamble{%
4375   \if@bidi@perpage@footnote
4376     \RequirePackage{bidi-perpage}%
4377     \ResetCounterPerPage{footnote}%
4378   \fi
4379   \ifx\ bidi@pdfencrypt@ownerpassword\ bidi@empty
4380     \ifx\ bidi@pdfencrypt@userpassword\ bidi@empty
4381       \@bidi@pdfencryptfalse
4382     \else
4383       \@bidi@pdfencrypttrue
4384     \fi
4385   \else
4386     \@bidi@pdfencrypttrue
4387   \fi
4388   \if@bidi@pdfencrypt
4389     \special{pdf:encrypt
4390       userpw (\@bidi@pdfencrypt@userpassword)
4391       ownerpw (\@bidi@pdfencrypt@ownerpassword)
4392       length \@bidi@pdfencrypt@keylength
4393       perm \@bidi@pdfencrypt@permissionflags
4394     }%
4395   \fi
4396 }
4397 \if@bidi@pdfbanner
4398   \if@bidi@pdfm@mark
4399     \AtEndDocument{%
4400       \special{pdf:%
4401         docinfo<<%
4402           /Creator(\@bidi@pdfcreator)%
4403           /Producer(\@bidi@pdfproducer)%

```



```

4404         /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4405         \if@bidi@csdef{@xepersian@pdfcustomproperties}{-%
4406         /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4407         }{}%
4408         >>%
4409     }%
4410 }
4411 \else
4412 \AtEndDocument{%
4413 \special{pdf:%
4414 docinfo<<%
4415 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4416 \if@bidi@csdef{@xepersian@pdfcustomproperties}{-%
4417 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4418 }{}%
4419 >>%
4420 }%
4421 }
4422 \fi
4423 \else
4424 \if@bidi@pdfm@mark
4425 \AtEndDocument{%
4426 \special{pdf:%
4427 docinfo<<%
4428 /Creator(\@bidi@pdfcreator)%
4429 /Producer(\@bidi@pdfproducer)%
4430 >>%
4431 }%
4432 }
4433 \fi
4434 \fi

```

## 46 File bidi.tex

```

4435 \def\bididate{2025/01/01}
4436 \catcode`@=11
4437 \def\bidi@version{40.9}
4438 \def\bidi@releasename{William Paul Thurston}
4439 \def\bidireleasename{\bidi@releasename}
4440 \let \protect \relax
4441 \newlinechar`^^J
4442 \edef\@bidi@info{*****^^J%
4443 * ^^J%
4444 * bidi package (Bidirectional typesetting in^^J%
4445 * plain TeX and LaTeX, using XeTeX engine)^^J%
4446 * ^^J%
4447 * Description: A convenient interface for^^J%
4448 * typesetting bidirectional texts in plain TeX^^J%
4449 * and LaTeX. The package includes adaptations^^J%
4450 * for use with many other commonly-used packages.^^J%
4451 * ^^J%
4452 * Copyright (c) 2007--2025 Vafa Khalighi^^J%
4453 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
4454 * ^^J%

```



```

4455 * v\@version\space (Release \@releasename), \@date^^J%
4456 * ^^J%
4457 * License: LaTeX Project Public License, version^^J%
4458 * 1.3c or higher (your choice)^^J%
4459 * ^^J%
4460 * Location on CTAN: /macros/xetex/latex/bidi^^J%
4461 * ^^J%
4462 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4463 * ^^J%
4464 * Discussions: https://github.com/xepersian/bidi/discussions^^J%
4465 * ^^J%
4466 * Primary author of bidi package: Vafa Khalighi.^^J%
4467 * ^^J%
4468 *****}
4469 \edef\@everyjob{\the\everyjob}
4470 \message{\@info}
4471 \everyjob{\@everyjob\message{\@info}}
4472 \def\bidiversion{%
4473   \relax
4474   \ifmode
4475     \@version
4476   \else
4477     $\@version$
4478   \fi
4479 }
4480 \input iftex.sty
4481 \RequireXeTeX
4482 \newif\if@bidi@pdfm@mark
4483 \newif\if@RTLmain
4484 \newif\if@RTL
4485 \newif\if@hboxRconstruct
4486 \newif\if@sendif
4487 \newif\if@RTL@footnote
4488 \@RTLmainfalse
4489 \def\setRTLmain{%
4490   \if@RTLmain\else
4491     \if@RTL\@RTLmaintrue%
4492     \else\@RTLmainfalse%
4493   \fi%
4494   \fi%
4495 }
4496 \let\n@xt=\
4497 \protected\def\LRE{\protect\pLRE}%
4498 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4499 \protected\def\RLE{\protect\pRLE}
4500 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4501 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4502   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4503 \newinsert\@bidi@copyins@
4504 \skip\@bidi@copyins@=12\p@
4505 \dimen\@bidi@copyins@=40pc
4506 \count\@bidi@copyins@=1000
4507 \def\@bidi@inslogo@\@insert\@bidi@copyins@\@bidi@logo}}
4508 \def\@bidi@logo@hb@xt@{%

```



```

4509 \if@RTLmain
4510 \hboxR to
4511 \else
4512 \hboxL to
4513 \fi
4514 }
4515 \def\@bidi@logo#1{%
4516 \toks@{%
4517 \setbox\z@\hbox{%
4518 \special{%
4519 pdf:image width 50pt height 50pt (#1)%
4520 }
4521 }%
4522 \dp\z@\z@
4523 \ht\z@=50pt
4524 \wd\z@=50pt
4525 \beginL
4526 \lower20pt\box\z@
4527 \endL
4528 }%
4529 \the\toks@
4530 }
4531 \def\two@digits#1{\ifnum#1<10 0\fi\number#1}
4532 \newcount\bidi@typesethour
4533 \newcount\bidi@typesetminute
4534 \bidi@typesethour=\time
4535 \divide\bidi@typesethour 60
4536 \bidi@typesetminute=-\bidi@typesethour
4537 \multiply\bidi@typesetminute 60
4538 \advance\bidi@typesetminute \time
4539 \def\TypesetHour{\two@digits\bidi@typesethour}
4540 \def\TypesetMinute{\two@digits\bidi@typesetminute}
4541 \def\TypesetTime{\TypesetHour:\TypesetMinute}
4542 \def\@bidi@logo@\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset {\today} at {\TypesetTime} by
4543 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
4544 \def\@bidi@pdfcreator{%
4545 The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4546 }
4547 \def\@bidi@pdfproducer{%
4548 The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4549 }
4550 \def\@bidi@pdfcustomproperties{%
4551 This is the bidi package, Version \bidi@version\space (Release \bidi@releasename),
4552 Released January 1, 2025.
4553 }
4554 \def\bidi@pdfm@mark{%
4555 \special{pdf:%
4556 docinfo<<%
4557 \if@bidi@pdfm@mark
4558 /Creator(\@bidi@pdfcreator)%
4559 /Producer(\@bidi@pdfproducer)%
4560 \fi
4561 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4562 >>%

```



```

4563     }%
4564 }
4565 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
4566 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
4567 \input plain-xetex-bidi.def
4568 \@bidi@inslogo@
4569 \outer\def\bye{\par\vfill\supereject\@bidi@pdfm@mark@end}
4570 \catcode\@=12
4571 \bidipdfinfoon

```

## 47 File bidi2in1.sty

```

4572 \NeedsTeXFormat{LaTeX2e}
4573 \ProvidesPackage{bidi2in1}
4574 \pagestyle{plain}
4575 \newcount\evenpage
4576 \newcount\oddpager
4577 \twocolumn
4578 \def\@oddfooter{\evenpage=\thepage%
4579 \multiply\evenpage by 2%
4580 \oddpager=\the\evenpage%
4581 \advance\oddpager by -1%
4582 \hfil\the\evenpage\hfil\hfil\the\oddpager\hfil}%
4583 \def\@evenfoot{\evenpage=\thepage%
4584 \multiply\evenpage by 2%
4585 \oddpager=\the\evenpage%
4586 \advance\oddpager by -1%
4587 \hfil\the\oddpager\hfil\hfil\the\evenpage\hfil}%
4588 \textwidth 9.49in
4589 \textheight 6.7in
4590 \columnsep 0.9in
4591 \columnseprule 0.125pt
4592 \headheight 0cm
4593 \topmargin 0in
4594 \marginparwidth 0in
4595 \marginparsep 0in
4596 \hoffset 0.05in % Corrected
4597 \voffset -0.5in %top margin space is 1.0in by default
4598 \oddsidemargin 0in
4599 \evensidemargin 0in
4600 \headsep 0cm
4601 \topskip 0cm
4602 \parskip 0.15in %
4603 \headsep 0pt
4604 \special{papersize=11.69in,8.26in}
4605 \renewcommand\maketitle{\par
4606 \begingroup
4607 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
4608 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
4609 \long\def\@makefntext##1{\parindent 1em\noindent
4610 \hb@xt@1.8em{\%
4611 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
4612 \@maketitle
4613 \@thanks

```



```

4614 \endgroup
4615 \setcounter{footnote}{0}%
4616 \global\let\thanks\relax
4617 \global\let\maketitle\relax
4618 \global\let\@maketitle\relax
4619 \global\let\@thanks\@empty
4620 \global\let\@author\@empty
4621 \global\let\@date\@empty
4622 \global\let\@title\@empty
4623 \global\let\title\relax
4624 \global\let\author\relax
4625 \global\let\date\relax
4626 \global\let\and\relax
4627 }

```

## 48 File bidicode.sty

```

4628 \NeedsTeXFormat{LaTeX2e}
4629 \ProvidesPackage{bidicode}
4630 \RequirePackage{xcolor}
4631 \RequirePackage{showexpl}
4632 \definecolor{hellgelb}{rgb}{1,1,0.85}
4633 \definecolor{colKeys}{rgb}{0.2,0.4,0.8}
4634 \definecolor{colCS}{rgb}{0.2,0.4,0.8}
4635 \definecolor{colIdentifier}{rgb}{0,0,0}
4636 \definecolor{colComments}{rgb}{1,0,0}
4637 \definecolor{colString}{rgb}{0,0.5,0}
4638 \lstset{%
4639     language=[LaTeX]TeX,%
4640     float=hbp,%
4641     basicstyle=\ttfamily\small,%
4642     identifierstyle=\color{colIdentifier},%
4643     keywordstyle=\color{colKeys},%
4644     texcsstyle=*\color{colCS},%
4645     stringstyle=\color{colString},%
4646     commentstyle=\color{colComments},%
4647     backgroundcolor=\color{hellgelb},%
4648     columns=flexible,%
4649     tabsize=4,%
4650     extendedchars=true,%
4651     showspaces=false,%
4652     showstringspaces=false,%
4653     numbers=left,%
4654     numbersep=0.9em,%
4655     numberstyle=\tiny,%
4656     frame=single,%
4657     captionpos=b,%
4658     xleftmargin=1em,%
4659     breaklines=true,%
4660     breakautoindent=false,%
4661     breakindent=0pt,%
4662     escapeinside=**,%
4663     pos=r,%
4664     explpreset={%

```



```

4665     xleftmargin=1em,%
4666     columns=flexible,%
4667     language=[LaTeX]TeX%
4668   },%
4669   moretexcs={%
4670     bididate,%
4671     bidiversion,%
4672     deflatinfont,%
4673     defpersianfont,%
4674     ding,%
4675     endLTR,%
4676     endRTL,%
4677     false,%
4678     falsesymbol,%
4679     junicode,%
4680     lr,%
4681     LR,%
4682     LRE,%
4683     LTR,%
4684     maketitle,%
4685     Nastaliq,%
4686     newfontfamily,%
4687     Parsifont,%
4688     part,%
4689     RL,%
4690     RLE,%
4691     RTL,%
4692     RTLcases,%
4693     SepMark,%
4694     setLR,%
4695     setLTR,%
4696     setRL,%
4697     setRTL,%
4698     settextfont,%
4699     subsection,%
4700     subsubsection,%
4701     tableofcontents,%
4702     text,%
4703     theequation,%
4704     thesection,%
4705     true,%
4706     truesymbol,%
4707     XePersian,%
4708     xepersiandate,%
4709     xepersianversion%
4710   }%
4711 }
4712 \newcommand\HLON{%
4713   \gdef\lst@alloverstyle##1{%
4714     \fboxrule=0pt
4715     \fboxsep=0pt
4716     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
4717   }}
4718 \newcommand\HLOFF{%

```



```

4719 \xdef\lst@alloverstyle##1{##1}%
4720 }
4721 \newcommand\Larg [1]{\normalfont\itshape#1\}/}
4722 \newcommand\Larga[1]{\langle\Larg{#1}\rangle$}
4723 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
4724 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
4725 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
4726 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
4727 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
4728
4729 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
4730 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
4731 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`{}}
4732 \DeclareRobustCommand\lsb{\normalfont\ttfamily{}}
4733 \DeclareRobustCommand\rsb{\normalfont\ttfamily{}}
4734 \DeclareRobustCommand\lrb{\normalfont\ttfamily{}}
4735 \DeclareRobustCommand\rrb{\normalfont\ttfamily{}}
4736
4737 \def\Lcs#1{\nxLcs{#1}}
4738 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
4739 \def\nxLcs#1{\texttt{\symbol{92}#1}}
4740
4741 \def\Coordx#1{\$x_{#1}$}
4742 \def\Coordy#1{\$y_{#1}$}
4743 \def\Coordz#1{\$z_{#1}$}
4744 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4745 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
4746 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4747 \def\CAny{\Coordx{}},\kern 1pt\Coordy{}
4748 \def\CIIIAny{\Coordx{}},\kern 1pt\Coordy{}},\kern 1pt\Coordz{}
4749 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
4750 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
4751 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
4752 \def\coordx#1{(\$x_{#1}$)}
4753 \def\coordy#1{(\$y_{#1}$)}
4754 \def\coordz#1{(\$z_{#1}$)}
4755 \def\cAny{(\Coordx{}},\kern 1pt\Coordy{}}
4756 \def\ciiiiAny{(\Coordx{}},\kern 1pt\Coordy{}},\kern 1pt\Coordz{}})
4757
4758 \newsavebox{\boxdef}
4759 \newenvironment{BDef}
4760   {\begin{lrbox}\boxdef
4761     \def\arraystretch{1.0}
4762     \begin{tabular}{@{}l@{}l@{}l@{}}
4763   }
4764   {\end{tabular}\end{lrbox}}
4765
4766   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
4767   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4768 }
4769
4770 \newenvironment{BDef*}
4771   {\begin{lrbox}\boxdef
4772     \def\arraystretch{1.0}

```





```

4773     \begin{tabular}{@{}l@{}l@{}l@{}}
4774   }
4775   {\end{tabular}\end{lrbox}
4776   {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}
4777   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4778   }
4779 \newenvironment{BCmd*}{
4780   \@beginparpenalty-\@lowpenalty
4781   \topsep\BDefaboveskip
4782   \fboxsep3pt
4783   \flushleft}
4784 {\@endparpenalty\@M
4785  \@topsepadd\BDefbelowskip
4786  \endflushleft}
4787
4788 \newenvironment{BCmd*}{
4789   \@beginparpenalty\@M
4790   \topsep\BDefinlineskip
4791   \fboxsep3pt
4792   \flushleft}
4793 {\@endparpenalty5000
4794  \endflushleft}
4795
4796 \newskip\BDefaboveskip
4797 \newskip\BDefbelowskip
4798 \newskip\BDefinlineskip
4799 \setlength\BDefaboveskip{10pt plus 4pt}
4800 \setlength\BDefbelowskip{6pt}
4801 \setlength\BDefinlineskip{6pt}
4802
4803 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
4804 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
4805 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
4806 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

## 49 File bidiftnxtra.sty

```

4807 \NeedsTeXFormat{LaTeX2e}
4808 \ProvidesPackage{bidiftnxtra}
4809 \newtoks\bidip@ftn
4810 \let\FN@sf@footnote\footnote
4811 \let\FN@sf@LTRfootnote\LTRfootnote
4812 \let\FN@sf@RTLfootnote\RTLfootnote
4813 \def\footnote{\ifx\protect\@typeset@protect
4814   \expandafter\FN@sf@footnote
4815   \else
4816   \expandafter\FN@sf@gobble@opt
4817   \fi
4818 }
4819 \def\LTRfootnote{\ifx\protect\@typeset@protect
4820   \expandafter\FN@sf@LTRfootnote
4821   \else
4822   \expandafter\FN@sf@gobble@opt
4823   \fi

```



```

4824 }
4825 \def\RTLfootnote{\ifx\protect\@typeset@protect
4826   \expandafter\FN@sf@RTLfootnote
4827   \else
4828     \expandafter\FN@sf@gobble@opt
4829   \fi
4830 }
4831 \edef\FN@sf@gobble@opt{\noexpand\protect
4832   \expandafter\noexpand\csname FN@sf@gobble@opt \endcsname}
4833 \expandafter\def\csname FN@sf@gobble@opt \endcsname{%
4834   \@ifnextchar[%]
4835     \FN@sf@gobble@twobrace
4836     \@gobble
4837 }
4838 \def\FN@sf@gobble@twobrace[#1]#2{}
4839 \let\FN@sf@footnotemark\footnotemark
4840 \def\footnotemark{\ifx\protect\@typeset@protect
4841   \expandafter\FN@sf@footnotemark
4842   \else
4843     \expandafter\FN@sf@gobble@optonly
4844   \fi
4845 }
4846 \edef\FN@sf@gobble@optonly{\noexpand\protect
4847   \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
4848 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{%
4849   \@ifnextchar[%]
4850     \FN@sf@gobble@bracket
4851     {}%
4852 }
4853 \def\FN@sf@gobble@bracket[#1]{}
4854 \def\@tabular{%
4855   \leavevmode \hbox \bgroup
4856   \let\@footnotetext\@bidi@p@ftntext
4857   \let\@LTRfootnotetext\@bidi@p@LTRftntext
4858   \let\@RTLfootnotetext\@bidi@p@RTLftntext
4859   \let\@xfootnotenext\@bidi@p@xftntext
4860   \let\@xfootnote\@bidi@p@xfootnote
4861   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4862   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4863   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4864   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4865   \if@RTLtab\beginR \fi
4866   $\let\@acol\@tabacol
4867   \let\@classz\@tabclassz
4868   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
4869 \def\endtabular{\crr\egroup\if@RTLtab\endR\fi\egroup\fi
4870   \egroup $\if@RTLtab\endR\fi\egroup
4871   \ifx\@capttype\undefined
4872     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
4873 \long\def\@bidi@p@ftntext#1{%
4874   \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
4875   \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
4876 \long\def\@bidi@p@LTRftntext#1{%
4877   \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%

```



```

4878 \global\bidip@ftn\expandafter{\@tempyi{#1}}}%
4879 \long\def\bidip@RTLftntext#1{%
4880 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
4881 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
4882
4883
4884 \long\def\bidip@xftntext[#1]#2{%
4885 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
4886
4887 \long\def\bidip@xLTRftntext[#1]#2{%
4888 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
4889
4890 \long\def\bidip@xRTLftntext[#1]#2{%
4891 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
4892
4893
4894 \def\bidip@xfootnote[#1]{%
4895 \begingroup
4896 \csname c@\mpfn\endcsname #1\relax
4897 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4898 \endgroup
4899 \@footnotemark\bidip@xftntext[#1]}
4900
4901
4902 \def\bidip@xLTRfootnote[#1]{%
4903 \begingroup
4904 \csname c@\mpfn\endcsname #1\relax
4905 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4906 \endgroup
4907 \@footnotemark\bidip@xLTRftntext[#1]}
4908
4909
4910 \def\bidip@xRTLfootnote[#1]{%
4911 \begingroup
4912 \csname c@\mpfn\endcsname #1\relax
4913 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4914 \endgroup
4915 \@footnotemark\bidip@xRTLftntext[#1]}
4916
4917 \def\@xfloat #1[#2]{%
4918 \@nodocument
4919 \def \@capttype {#1}%
4920 \def \@fps {#2}%
4921 \@onelevel@sanitize \@fps
4922 \def \reserved@b {!}%
4923 \ifx \reserved@b \@fps
4924 \@fpsaddefault
4925 \else
4926 \ifx \@fps \@empty
4927 \@fpsaddefault
4928 \fi
4929 \fi
4930 \ifhmode
4931 \@bsphack

```



```

4932     \@floatpenalty -\@Mii
4933     \else
4934         \@floatpenalty-\@Miii
4935     \fi
4936 \ifinner
4937     \@parmoderr\@floatpenalty\z@
4938 \else
4939     \@next\@currbox\@freelist
4940     {%
4941         \@tempcnta \sixt@n
4942         \expandafter \@tfor \expandafter \reserved@a
4943         \expandafter :\expandafter =\@fps
4944         \do
4945         {%
4946             \if \reserved@a h%
4947                 \ifodd \@tempcnta
4948                 \else
4949                     \advance \@tempcnta \@ne
4950                 \fi
4951             \fi
4952             \if \reserved@a t%
4953                 \@setfpsbit \tw@
4954             \fi
4955             \if \reserved@a b%
4956                 \@setfpsbit 4%
4957             \fi
4958             \if \reserved@a p%
4959                 \@setfpsbit 8%
4960             \fi
4961             \if \reserved@a !%
4962                 \ifnum \@tempcnta>15
4963                     \advance\@tempcnta -\sixt@n\relax
4964                 \fi
4965             \fi
4966         }%
4967         \@tempcntb \csname ftype@\@capttype \endcsname
4968         \multiply \@tempcntb \@xxxii
4969         \advance \@tempcnta \@tempcntb
4970         \global \count\@currbox \@tempcnta
4971     }%
4972 \fltovf
4973 \fi
4974 \global \setbox\@currbox
4975     \color@vbox
4976     \normalcolor
4977     \vbox \bgroup
4978         \let\@footnotetext\@bidi@p@ftntext
4979         \let\@LTRfootnotetext\@bidi@p@LTRftntext
4980         \let\@RTLfootnotetext\@bidi@p@RTLftntext
4981         \let\@xfootnotenext\@bidi@p@xftntext
4982         \let\@xfootnote\@bidi@p@xfootnote
4983         \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4984         \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4985         \let\@xRTLfootnotenext\@bidi@p@xRTLftntext

```



```

4986     \let\@xRTLfootnote\ bidi@p@xRTLfootnote
4987     \hsize\columnwidth
4988     \@parboxrestore
4989     \@floatboxreset
4990 }
4991 \def \@endfloatbox{%
4992     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
4993     \@minipagefalse
4994     \outer@nobreak
4995     \egroup                %% end of vbox
4996     \global\ bidi@p@ftn\ expandafter{\ expandafter}\ the\ bidi@p@ftn
4997     \color@endbox
4998 }

```

## 50 File bidimoderncv.cls

```

4999 \NeedsTeXFormat{LaTeX2e}
5000 \ProvidesClass{bidimoderncv}
5001 \newif\if@DEBUG\@DEBUGfalse
5002 \DeclareOption{a4paper}{
5003     \setlength\paperheight{297mm}
5004     \setlength\paperwidth{210mm}}
5005 \DeclareOption{a5paper}{
5006     \setlength\paperheight{210mm}
5007     \setlength\paperwidth{148mm}}
5008 \DeclareOption{b5paper}{
5009     \setlength\paperheight{250mm}
5010     \setlength\paperwidth{176mm}}
5011 \DeclareOption{letterpaper}{
5012     \setlength\paperheight{11in}
5013     \setlength\paperwidth{8.5in}}
5014 \DeclareOption{legalpaper}{
5015     \setlength\paperheight{14in}
5016     \setlength\paperwidth{8.5in}}
5017 \DeclareOption{executivepaper}{
5018     \setlength\paperheight{10.5in}
5019     \setlength\paperwidth{7.25in}}
5020 \DeclareOption{landscape}{
5021     \setlength\@tempdima{\paperheight}
5022     \setlength\paperheight{\paperwidth}
5023     \setlength\paperwidth{\@tempdima}}
5024 \newcommand\@ptsize{}
5025 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
5026 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
5027 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
5028 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
5029 \DeclareOption{final}{\setlength\overfullrule{0pt}}
5030 \newif\if@colour\@colourtrue
5031 \DeclareOption{nocolour}{\@colourfalse}
5032 \ExecuteOptions{a4paper,11pt,colour,final}
5033 \ProcessOptions\relax
5034 \input{size1\@ptsize.clo}
5035 \RequirePackage{color}
5036 \RequirePackage{graphicx}

```



```

5037 \RequirePackage{ifthen}
5038 \RequirePackage{marvosym}
5039 \addtolength{\oddsidemargin}{-54pt}
5040 \addtolength{\textwidth}{109pt}
5041 \addtolength{\topmargin}{-70pt}
5042 \addtolength{\textheight}{122pt}
5043 \addtolength{\marginparsep}{-5pt}
5044 \addtolength{\marginparwidth}{-10pt}
5045 \RequirePackage{url}
5046 \RequirePackage{hyperref}
5047 \hypersetup{%
5048   breaklinks,
5049   baseurl      = http://,%
5050   pdfborder    = 0 0 0,%
5051   pdfpagemode  = UseNone,%
5052   pdfstartpage = 1}
5053 \AtEndOfClass{%
5054   \AtBeginDocument{%
5055     \hypersetup{%
5056       pdfauthor    = \@firstname~\@familyname,%
5057       pdftitle     = \@title,%
5058       pdfsubject   = \@firstname~\@familyname,%
5059       pdfkeywords  = \@resumename~\@firstname~\@familyname}}}}
5060 \urlstyle{tt}
5061 \RequirePackage{fancyhdr}
5062 \fancypagestyle{plain}{%
5063   \renewcommand{\headrulewidth}{0pt}
5064   \renewcommand{\footrulewidth}{0pt}
5065   \fancyhf{}}
5066 \pagestyle{plain}
5067 \setlength\lineskip{1\p@}
5068 \setlength\normallineskip{1\p@}
5069 \renewcommand\baselinestretch{}
5070 \setlength{\parindent}{0pt}
5071 \setlength{\parskip}{0pt}
5072 \setlength\columnsep{10\p@}
5073 \setlength\columnseprule{0\p@}
5074 \pagestyle{empty}
5075 \pagenumbering{arabic}
5076 \raggedbottom
5077 \onecolumn
5078 \providecommand*\listitemsymbol{\textbullet}
5079 \providecommand*\addresssymbol{}
5080 \providecommand*\mobilesymbol{\Mobilefone}
5081 \providecommand*\phonesymbol{\Telefon}
5082 \providecommand*\faxsymbol{\FAX}
5083 \providecommand*\emailsymbol{\Letter}
5084 \definecolor{firstnamecolor}{rgb}{0,0,0}
5085 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
5086 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
5087 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
5088 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
5089 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
5090 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}

```



```

5091 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
5092 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
5093 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
5094 \providecommand*\firstnamefont{}
5095 \providecommand*\familynamefont{}
5096 \providecommand*\titlefont{}
5097 \providecommand*\addressfont{}
5098 \providecommand*\quotefont{}
5099 \providecommand*\sectionfont{}
5100 \providecommand*\subsectionfont{}
5101 \providecommand*\hintfont{\small}
5102 \providecommand*\firstnamestyle[1]{\{\{\firstnamefont\@firstnamecolour#1\}}
5103 \providecommand*\familynamestyle[1]{\{\{familynamefont\@familynamecolour#1\}}
5104 \providecommand*\titlestyle[1]{\{\{titlefont\@titlecolour#1\}}
5105 \providecommand*\addressstyle[1]{\{\{addressfont\@addresscolour#1\}}
5106 \providecommand*\quotestyle[1]{\{\{quotefont\@quotecolour#1\}}
5107 \providecommand*\sectionstyle[1]{\{\{sectionfont\@sectiontitlecolour#1\}}
5108 \providecommand*\subsectionstyle[1]{\{\{subsectionfont\@subsectioncolour#1\}}
5109 \providecommand*\hintstyle[1]{\{\{hintfont\@hintcolour#1\}}
5110 \newcommand*\cvtheme}[2] [] {
5111   \def\@cvtheme{#2}
5112   \def\@cvthemeoptions{#1}}
5113 \cvtheme{bidi-casual}
5114 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
5115 \newcommand*\resumename[1]{\def\@resumename{#1}}
5116 \newcommand*\firstname[1]{\def\@firstname{#1}}
5117 \newcommand*\familyname[1]{\def\@familyname{#1}}
5118 \renewcommand*\title[1]{\def\@title{#1}}
5119 \newcommand*\address[1]{\def\@address{#1}}
5120 \newcommand*\mobile[1]{\def\@mobile{#1}}
5121 \newcommand*\phone[1]{\def\@phone{#1}}
5122 \renewcommand*\fax[1]{\def\@fax{#1}}
5123 \newcommand*\email[1]{\def\@email{#1}}
5124 \newcommand*\extrainfo[1]{\def\@extrainfo{#1}}
5125 \def\@photowidth{0pt}
5126 \newcommand*\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
5127 \newcommand*\quote}[1]{\def\@quote{#1}}
5128 \newlength{\quotewidth}
5129 \newlength{\hintscolumnwidth}
5130 \newlength{\separatorcolumnwidth}
5131 \setlength{\separatorcolumnwidth}{0.025\textwidth}
5132 \newlength{\maincolumnwidth}
5133 \newlength{\doubleitemmaincolumnwidth}
5134 \newlength{\listitemsymbolwidth}
5135 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
5136 \newlength{\listitemmaincolumnwidth}
5137 \newlength{\listdoubleitemmaincolumnwidth}
5138 \newcommand*\recomputethemelengths{}
5139 \newcommand*\recomputelengths{%
5140 \setlength{\quotewidth}{0.65\textwidth}%
5141 \setlength{\maincolumnwidth}{\textwidth}%
5142 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
5143 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
5144 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%

```



```

5145 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
5146 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
5147 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
5148 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
5149 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
5150 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
5151 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
5152 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
5153 \renewcommand{\headwidth}{\textwidth}%
5154 \recomputethemelengths}
5155 \setlength{\hintscolumnwidth}{0.15\textwidth}
5156 \recomputelengths
5157 \title{}
5158 \renewcommand*{\maketitle}{}
5159 \newcommand*{\section}[1]{%
5160 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
5161 \phantomsection{}%
5162 \addcontentsline{toc}{part}{#1}%
5163 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
5164 \hspace{\separatorcolumnwidth}%
5165 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
5166 \newcommand*{\subsection}[1]{%
5167 \cvline[0.45em]{}{\subsectionstyle{#1}}}
5168 \newcommand*{\cvline}[3][.25em]{%
5169 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
5170 \bidi@raggedleft\hintfont{#2} &{#3}%
5171 \end{tabular}}\}[#1]}
5172 \newcommand*{\cvdoubleitem}[4]{%
5173 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
5174 \hfill%
5175 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\
5176 \newcommand*{\cvlistitem}[2][\listitemsymbol{}]{%
5177 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}}
5178 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol{}]{%
5179 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
5180 \hfill%
5181 \ifthenelse{\equal{#3}{}%
5182 {}%
5183 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}}
5184 \newcommand*{\cventry}[6]{%
5185 \cvline{#1}{%
5186 {\bfseries#2}%
5187 \ifx#3\else{, \slshape#3}\fi%
5188 \ifx#4\else{, #4}\fi%
5189 \ifx#5\else{, #5}\fi%
5190 .%
5191 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
5192 }%
5193 \newcommand*{\cvlanguage}[3]{%
5194 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin
5195 \newcommand*{\cvcomputer}[4]{%
5196 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
5197 \newcommand*{\link}[2][ ]{%
5198 \ifthenelse{\equal{#1}{}%

```





```

5199   {\href{#2}{#2}}%
5200   {\href{#2}{#1}}
5201 \newcommand*{\httplink}[2] [] {%
5202   \ifthenelse{\equal{#1}{}}%
5203     {\href{http://#2}{#2}}%
5204     {\href{http://#2}{#1}}
5205 \newcommand*{\emailink}[2] [] {%
5206   \ifthenelse{\equal{#1}{}}%
5207     {\href{mailto:#2}{#2}}%
5208     {\href{mailto:#2}{#1}}
5209 \newif\if@displaypagenumbers\@displaypagenumberstrue
5210 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
5211 \AtBeginDocument{%
5212   \if@displaypagenumbers%
5213     \ifundefined{r@lastpage}{}%
5214     \ifthenelse{\pageref{lastpage} > 1}{%
5215       \fancypagestyle{plain}{%
5216         \fancyfoot [r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pag
5217         \pagestyle{plain}}}%
5218     \AtEndDocument{\label{lastpage}}%
5219     \fi}
5220 \newlength{\bibindent}
5221 \setlength{\bibindent}{1.5em}
5222 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
5223 \newenvironment{thebibliography}[1]%
5224   {%
5225     \section{\refname}%
5226     \small%
5227     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5228     \bidi@thebibliography@font@hook%
5229     \begin{list}{\bibliographyitemlabel}%
5230       {%
5231         \setlength{\topsep}{0pt}%
5232         \setlength{\labelwidth}{\hintscolumnwidth}%
5233         \setlength{\labelsep}{\separatorcolumnwidth}%
5234         \leftmargin\labelwidth%
5235         \advance\leftmargin\labelsep%
5236         \@openbib@code%
5237         \usecounter{enumiv}%
5238         \let\p@enumiv\@empty%
5239         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5240       \sloppy\clubpenalty4000\widowpenalty4000%
5241     }%
5242   {%
5243     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
5244     \end{list}%
5245   }
5246 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
5247 \let\@openbib@code\@empty

```

## 51 File bidi-perpage.sty

```

5248 \NeedsTeXFormat{LaTeX2e}
5249 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]

```



```

5250 \newcount\ bidi@page@count
5251 \bidi@page@count\@ne
5252 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
5253   \if@bidi@csundef{bidi@stepcounterhook@#2}{%
5254     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{%
5255   }}%
5256   \if@bidi@csundef{if@bidi@reset@#2@rerun}{%
5257     \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
5258   }}%
5259   \if@bidi@csundef{bidi@#2@count}{%
5260     \expandafter\newcount\csname bidi@#2@count\endcsname
5261   }}%
5262   \csname bidi@#2@count\endcsname\z@
5263   \if@bidi@csundef{bidi@previous@page@#2@count}{%
5264     \expandafter\newcount\csname
5265     bidi@previous@page@#2@count\endcsname
5266   }}%
5267   \csname bidi@previous@page@#2@count\endcsname\z@
5268   \if@bidi@csundef{bidi@reset@#2@perpage}{%
5269     \bidi@AfterEndDocumentCheckLabelsRerun{%
5270       \csname if@bidi@reset@#2@rerun\endcsname
5271       \PackageWarningNoLine{bidi-perpage}{%
5272         Counter `#2' may not have been reset per page.
5273         Rerun to reset counter `#2' per page%
5274       }}%
5275     \fi
5276   }}%
5277 }{}%
5278 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
5279   \global\advance\csname bidi@#2@count\endcsname\@ne
5280   \if@filesw
5281     \edef\@tempa{%
5282       \write\@auxout{%
5283         \string\bidi@counter@page{#2}%
5284         {\number\csname bidi@#2@count\endcsname}%
5285         {\noexpand\number\noexpand\bidi@page@count}%
5286       }}%
5287   }%
5288   \@tempa
5289 \fi
5290 \begingroup\expandafter\expandafter\expandafter\endgroup
5291 \expandafter\ifx\csname bidi@#2@@\number\csname
5292 bidi@#2@count\endcsname\endcsname\relax
5293   \global\csname @bidi@reset@#2@reruntrue\endcsname
5294 \else
5295   \global\csname @bidi@reset@#2@rerunfalse\endcsname
5296   \expandafter\@tempcnta\csname bidi@#2@@\number
5297   \csname bidi@#2@count\endcsname\endcsname\relax
5298   \ifnum\@tempcnta=\csname
5299   bidi@previous@page@#2@count\endcsname
5300 \else
5301   \global\csname
5302   bidi@previous@page@#2@count\endcsname\@tempcnta
5303   \global\csname c@#2\endcsname#1\relax

```



```

5304     \fi
5305 \fi
5306 }%
5307 \expandafter\bidigappto\csname
5308 bidi@stepcounterhook@#2\endcsname{%
5309     \csname bidi@reset@#2@perpage\endcsname
5310 }%
5311 }
5312 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@#2-#3}
5313 \bidi@AtEndOutputPage{%
5314     \global\advance\bidi@page@count\@ne
5315 }

```

## 52 File `biditools.sty`

```

5316 \NeedsTeXFormat{LaTeX2e}
5317 \ProvidesPackage{biditools}[2025/01/01 v2.5 Programming tools for bidi package]
5318 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
5319     \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5320     \ifx\@tempa\@tempb \global\let#2#1%
5321     \else
5322         \edef\@tempb{\meaning#2}%
5323         \ifx\@tempa\@tempb
5324         \else
5325             \@latex@error{Unable to properly define \string#2; primitive
5326                 \noexpand#1no longer primitive}\@eha
5327         \fi
5328     \fi
5329 \endgroup}
5330 \newtoks\@bidi@envbody
5331 \newtoks\@bidi@emptytoks
5332 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5333 \def\bidi@collect@body#1{%
5334     \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5335     \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentenv}}%
5336     \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5337     \begingroup
5338     \expandafter\let\csname\@currentenv\endcsname\bidi@collect@@body
5339     \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\endcsname}%
5340     \bidi@process@envbody
5341 }
5342 \def\bidi@push@begins#1\begin#2{%
5343     \ifx\end#2\else b\expandafter\bidi@push@begins\fi
5344 }
5345 \def\bidi@collect@@body#1\end#2{%
5346     \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
5347     \ifx\@empty\begin@bidi@stack
5348         \endgroup
5349         \@checkend{#2}%
5350         \bidi@addto@envbody{#1}%
5351     \else
5352         \bidi@addto@envbody{#1\end{#2}}%
5353     \fi
5354     \bidi@process@envbody % A little tricky! Note the grouping

```



```

5355 }
5356 \long\def\ bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}%
5357 \long\def\ bidi@collect@long@body#1{%
5358   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5359   \edef\ bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentenv}}%
5360   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5361   \begingroup
5362   \expandafter\let\csname\@currentenv\endcsname\ bidi@collect@long@@body
5363   \edef\ bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\endcsname}%
5364   \ bidi@process@envbody
5365 }
5366 \long\def\ bidi@push@long@begins#1\begin#2{%
5367   \ifx\end#2\else b\expandafter\ bidi@push@long@begins\fi
5368 }
5369 \long\def\ bidi@collect@long@@body#1\end#2{%
5370   \edef\begin@bidi@stack{\ bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@
5371   \ifx\@empty\begin@bidi@stack
5372     \endgroup
5373     \@checkend{#2}%
5374     \ bidi@addto@long@envbody{#1}%
5375   \else
5376     \ bidi@addto@long@envbody{#1\end{#2}}%
5377   \fi
5378   \ bidi@process@envbody % A little tricky! Note the grouping
5379 }
5380 \long\def\ bidi@new@ifnextchar#1#2#3{%
5381   \let\reserved@d= #1%
5382   \def\reserved@a{#2}\def\reserved@b{#3}%
5383   \futurelet\@let@token\ bidi@new@ifnch
5384 }
5385 \def\ bidi@new@ifnch{%
5386   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
5387   \reserved@b
5388 }
5389 \def\ bidi@matrix@check#1{%
5390   \expandafter\ifx\csname\@currentenv\endcsname#1%
5391   \else\ bidi@matrix@error#1%
5392     \expandafter\@gobble
5393   \fi
5394 }
5395 \def\ bidi@matrix@error#1{%
5396   \PackageError{biditools}{%
5397 Old form ``\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
5398   }{%
5399 ``\string#1{...}' is old bidi package syntax whose use is
5400 ill-advised in the old versions of bidi package.%
5401   }%
5402 }
5403 \def\@tagsextension{clo}
5404 \def\@definitionfileextension{def}
5405 \def\@texfileextension{tex}
5406 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
5407 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
5408 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}

```



```

5409 \def\eqnewif#1#2{%
5410   \count@\escapechar \escapechar\m@ne
5411   \let#1\iffalse
5412   \let#2\iffalse
5413   \eq@if#1#2\iftrue
5414   \eq@if#1#2\iffalse
5415   \escapechar\count@}
5416 \def\eq@if#1#2#3{%
5417   \expandafter\def\csname\expandafter@gobbletwo\string#1%
5418     \expandafter@gobbletwo\string#3\endcsname
5419     {\let#1#3%
5420     \let#2#3}%
5421   \expandafter\def\csname\expandafter@gobbletwo\string#2%
5422     \expandafter@gobbletwo\string#3\endcsname
5423     {\let#2#3%
5424     \let#1#3}}
5425 \def\noteqnewif#1#2{%
5426   \count@\escapechar \escapechar\m@ne
5427   \let#1\iffalse
5428   \let#2\iffalse
5429   \not@eq@if#1#2\iftrue\iffalse
5430   \escapechar\count@}
5431 \def\not@eq@if#1#2#3#4{%
5432   \expandafter\def\csname\expandafter@gobbletwo\string#1%
5433     \expandafter@gobbletwo\string#3\endcsname
5434     {\let#1#3%
5435     \let#2#4}%
5436   \expandafter\def\csname\expandafter@gobbletwo\string#1%
5437     \expandafter@gobbletwo\string#4\endcsname
5438     {\let#1#4%
5439     \let#2#3}%
5440   \expandafter\def\csname\expandafter@gobbletwo\string#2%
5441     \expandafter@gobbletwo\string#3\endcsname
5442     {\let#2#3%
5443     \let#1#4}%
5444   \expandafter\def\csname\expandafter@gobbletwo\string#2%
5445     \expandafter@gobbletwo\string#4\endcsname
5446     {\let#2#4%
5447     \let#1#3}}
5448 \newcommand*\SetBoolean}[2]{%
5449   \lowercase{\def\@tempa{#2}}%
5450   \@ifundefined{\@tempswa\@tempa}%
5451     {\PackageError{biditytools}%
5452      {You can only set a boolean to `true' or `false'}\@ehc}%
5453     {\@ifundefined{#1\@tempa}%
5454      {\PackageError{biditytools}{Boolean #1 undefined}\@ehc}%
5455      {\csname#1\@tempa\endcsname}}}
5456 \newcommand*\GlobalSetBoolean}[2]{%
5457   \lowercase{\def\@tempa{#2}}%
5458   \@ifundefined{\@tempswa\@tempa}%
5459     {\PackageError{biditytools}%
5460      {You can only set a boolean to `true' or `false'}\@ehc}%
5461     {\@ifundefined{#1\@tempa}%
5462      {\PackageError{biditytools}{Boolean #1 undefined}\@ehc}%

```



```

5463     {\global\csname#1\@tempa\endcsname}}
5464 \newcommand*\SetatBoolean}[2]{%
5465   \lowercase{\def\@tempa{#2}}%
5466   \@ifundefined{@tempwa\@tempa}%
5467     {\PackageError{biditools}%
5468      {You can only set a boolean to `true' or `false'}\@ehc}%
5469     {\@ifundefined{@#1\@tempa}%
5470      {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5471      {\csname @#1\@tempa\endcsname}}}
5472 \newcommand*\GlobalSetatBoolean}[2]{%
5473   \lowercase{\def\@tempa{#2}}%
5474   \@ifundefined{@tempwa\@tempa}%
5475     {\PackageError{biditools}%
5476      {You can only set a boolean to `true' or `false'}\@ehc}%
5477     {\@ifundefined{@#1\@tempa}%
5478      {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5479      {\global\csname @#1\@tempa\endcsname}}}
5480 \def\@bidi@removefromreset#1#2{%
5481   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
5482   \def\@elt##1{%
5483     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
5484     \else
5485       \noexpand\@elt{##1}%
5486     \fi}%
5487   \expandafter\xdef\csname c1@#2\endcsname{%
5488     \csname c1@#2\endcsname}}
5489 \newcommand*\ifRtoL{%
5490   \if@RTL
5491     \expandafter\@firstoftwo
5492   \else
5493     \expandafter\@secondoftwo
5494   \fi}
5495 \newcommand*\ifLtoR{%
5496   \if@RTL
5497     \expandafter\@secondoftwo
5498   \else
5499     \expandafter\@firstoftwo
5500   \fi}
5501 \newcommand*\ifRtoLtable{%
5502   \if@RTLtab
5503     \expandafter\@firstoftwo
5504   \else
5505     \expandafter\@secondoftwo
5506   \fi}
5507 \newcommand*\ifLtoRtable{%
5508   \if@RTLtab
5509     \expandafter\@secondoftwo
5510   \else
5511     \expandafter\@firstoftwo
5512   \fi}
5513 \newcommand*\ifRtoLhboxconstruct{%
5514   \if@hboxRconstruct
5515     \expandafter\@firstoftwo
5516   \else

```



```

5517   \expandafter\@secondoftwo
5518   \fi}
5519 \newcommand*\ifLtoRhboxconstruct}{%
5520   \if@hboxRconstruct
5521   \expandafter\@secondoftwo
5522   \else
5523   \expandafter\@firstoftwo
5524   \fi}
5525 \newcommand*\iflatin}{%
5526   \if@nonlatin
5527   \expandafter\@secondoftwo
5528   \else
5529   \expandafter\@firstoftwo
5530   \fi}
5531 \newcommand*\ifnonlatin}{%
5532   \if@nonlatin
5533   \expandafter\@firstoftwo
5534   \else
5535   \expandafter\@secondoftwo
5536   \fi}
5537
5538 \newcommand*\bidi@convert@dimen@t@unit}[2]{%
5539   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
5540
5541 \newcommand*\bidi@convert@dimen@t@pt}[1]{%
5542   \dimexpr #1*65536/\dimexpr 1pt\relax}
5543
5544 \newcommand*\if@bidi@csdef}[1]{%
5545   \ifcsname#1\endcsname
5546   \expandafter\@firstoftwo
5547   \else
5548   \expandafter\@secondoftwo
5549   \fi}
5550 \newcommand*\if@bidi@csundef}[1]{%
5551   \ifcsname#1\endcsname
5552   \expandafter\ifx\csname#1\endcsname\relax
5553   \expandafter\expandafter
5554   \expandafter\@firstoftwo
5555   \else
5556   \expandafter\expandafter
5557   \expandafter\@secondoftwo
5558   \fi
5559   \else
5560   \expandafter\@firstoftwo
5561   \fi}
5562 \newcommand*\if@bidi@def}[1]{%
5563   \ifdefined#1%
5564   \expandafter\@firstoftwo
5565   \else
5566   \expandafter\@secondoftwo
5567   \fi}
5568 \newcommand*\if@bidi@undef}[1]{%
5569   \ifdefined#1%
5570   \ifx#1\relax

```



```

5571     \expandafter\expandafter
5572     \expandafter\@firstoftwo
5573     \else
5574     \expandafter\expandafter
5575     \expandafter\@secondoftwo
5576     \fi
5577     \else
5578     \expandafter\@firstoftwo
5579     \fi}
5580 \newcommand{\if@bidi@blank}[1]{% from url.sty
5581 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
5582 \long\def\bidi@ifblank@i#1#2&&#3#4#5:#{#4}
5583 \newcommand{\bidi@notblank}[1]{%
5584 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
5585 \newcommand{\if@bidi@defmacro}{%
5586 \long\edef\if@bidi@defmacro#1{%
5587 \noexpand\expandafter\noexpand\bidi@ifdefmacro
5588 \noexpand\meaning#1\detokenize{macro}:&}
5589 \edef\bidi@ifdefmacro{%
5590 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
5591 \bidi@ifdefmacro{\bidi@notblank{#2}}
5592 \newcommand*{\if@bidi@csmacro}[1]{%
5593 \if@bidi@csdef{#1}
5594   {\expandafter\if@bidi@defmacro\csname#1\endcsname}
5595   {\@secondoftwo}}
5596 \newcommand{\if@bidi@defprimitive}[1]{%
5597 \ifprimitive#1%
5598   \expandafter\@firstoftwo
5599   \else
5600   \expandafter\@secondoftwo
5601   \fi}
5602 \newcommand{\if@bidi@csprimitive}[1]{%
5603 \begingroup\expandafter\expandafter\expandafter\endgroup%
5604 \expandafter\ifprimitive\csname#1\endcsname%
5605 \expandafter\@firstoftwo
5606 \else
5607 \expandafter\@secondoftwo
5608 \fi}
5609 \newcommand*{\bidi@csdefcs}[2]{%
5610 \expandafter\@ifdefinable \csname#1\endcsname{%
5611 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}}
5612 \newcommand*{\bidi@csletcs}[2]{%
5613 \expandafter\@ifdefinable \csname#1\endcsname{%
5614 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
5615 \newcommand*{\bidi@cslet}[2]{%
5616 \expandafter\@ifdefinable \csname#1\endcsname{%
5617 \expandafter\let\csname#1\endcsname#2}}
5618 \newcommand{\bidi@namelongdef}[1]{%
5619 \long\expandafter\def\csname #1\endcsname}
5620 \newcommand{\bidi@namelonggdef}[1]{%
5621 \long\expandafter\gdef\csname #1\endcsname}
5622 \newcommand{\bidi@namelongedef}[1]{%
5623 \long\expandafter\edef\csname #1\endcsname}
5624 \newcommand{\bidi@namelongxdef}[1]{%

```





```

5625 \long\expandafter\xdef\csname #1\endcsname}
5626 \def\ bidi@ensure@newcommand{\@star@or@long\ bidi@ensure@new@command}
5627 \def\ bidi@ensure@new@command#1{%
5628 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
5629 \expandafter\if@bidi@csundef\@gtempa
5630 {\new@command#1}{\relax%
5631 \let\@ifdefinable\@rc@ifdefinable%
5632 \new@command#1}}
5633 \def\ bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
5634
5635 \protected\def\ bidi@error{\PackageError{bidi}}
5636 \protected\def\ bidi@warning{\PackageWarning{bidi}}
5637 \protected\def\ bidi@warningnoline{\PackageWarningNoLine{bidi}}
5638 \protected\def\ bidi@info{\PackageInfo{bidi}}
5639
5640 \def\ bidi@pos#1#2#3#4{\ bidi@namegdef\ bidi@#1pos@#2@#3}{#4}}
5641
5642 \newcount\ bidi@poscount
5643
5644 \newcommand*\WriteStartXPostoaux{%
5645 \global\advance\ bidi@poscount\@ne
5646 \edef\@tempa{%
5647 \write\@auxout{%
5648 \string\ bidi@pos{x}{start}{\number\ bidi@poscount}{\noexpand\number\noexpand\pdflastx
5649 }%
5650 }%
5651 \ifvmode
5652 \leavevmode
5653 \fi
5654 \ifRTL
5655 \if@filesw
5656 \@tempa
5657 \fi
5658 \pdfsavepos
5659 \else
5660 \pdfsavepos
5661 \if@filesw
5662 \@tempa
5663 \fi
5664 \fi
5665 \if@bidi@csundef\ bidi@xpos@start@\number\ bidi@poscount}{%
5666 \PackageWarningNoLine{biditools}{%
5667 The start x position \number\ bidi@poscount' is not known yet.
5668 Rerun to get this x position%
5669 }%
5670 }{}}%
5671 }
5672
5673 \newcommand*\WriteEndXPostoaux{%
5674 \edef\@tempa{%
5675 \write\@auxout{%
5676 \string\ bidi@pos{x}{end}{\number\ bidi@poscount}{\noexpand\number\noexpand\pdflastx
5677 }%
5678 }%

```



```

5679 \if@RTL
5680   \if@filesw
5681     \@tempa
5682   \fi
5683 \pdfsavepos
5684 \else
5685 \pdfsavepos
5686 \if@filesw
5687   \@tempa
5688 \fi
5689 \fi
5690 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
5691   \PackageWarningNoLine{biditools}{%
5692     The end x position `\

```



```

5733 \if@RTL
5734   \if@filesw
5735     \@tempa
5736   \fi
5737   \pdfsavepos
5738 \else
5739 \pdfsavepos
5740 \if@filesw
5741   \@tempa
5742 \fi
5743 \fi
5744 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
5745   \PackageWarningNoLine{biditools}{%
5746     The end y position `\

```



```

5787 }{}%
5788 }
5789
5790 \newcommand*\WriteEndXYPostoaux}{%
5791     \edef\@tempa{%
5792         \write\@auxout{%
5793             \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx}
5794         }%
5795         \write\@auxout{%
5796             \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty}
5797         }%
5798     }%
5799 \if@RTL
5800     \if@filesw
5801         \@tempa
5802     \fi
5803 \pdfsavepos
5804 \else
5805 \pdfsavepos
5806 \if@filesw
5807     \@tempa
5808 \fi
5809 \fi
5810 \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
5811     \PackageWarningNoLine{biditools}{%
5812         The end x position ` \number\bidiposcount' is not known yet.
5813         Rerun to get this x position%
5814     }%
5815 }{}%
5816 \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{%
5817     \PackageWarningNoLine{biditools}{%
5818         The end y position ` \number\bidiposcount' is not known yet.
5819         Rerun to get this y position%
5820     }%
5821 }{}%
5822 }
5823
5824 \newcommand*\currentposxwidth}{%
5825     \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{\z@}
5826     {%
5827         \ifnum\csname bidi@xpos@@start@\number\bidiposcount
5828         \endcsname < \csname bidi@xpos@@end@\number\bidiposcount
5829         \endcsname
5830         \dimexpr \csname bidi@xpos@@end@\number\bidiposcount
5831         \endcsname sp - \csname bidi@xpos@@start@\number\bidiposcount
5832         \endcsname sp\relax
5833     \else
5834         \dimexpr \csname bidi@xpos@@start@\number\bidiposcount
5835         \endcsname sp - \csname bidi@xpos@@end@\number\bidiposcount
5836         \endcsname sp\relax
5837     \fi
5838 }%
5839 }
5840

```



```

5841 \newcommand*{\currentposyheight}{%
5842   \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
5843   {%
5844     \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
5845     \endcsname sp - \csname   bidi@ypos@@end@\number\bidi@poscount
5846     \endcsname sp\relax
5847   }%
5848 }
5849
5850
5851
5852 \newcommand*{\setbaselineskip}[1]{%
5853   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
5854   \selectfont
5855 }
5856
5857
5858 \newcommand*{\bidi@newrobustcmd}{%
5859 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
5860
5861 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
5862
5863 \def\bidi@newcommand#1[#2]{%
5864   \ifnextchar[%]
5865     {\bidi@xargdef#1[#2]}
5866     {\ifx\l@ngrel@x\relax
5867       \let\l@ngrel@x\protected
5868       \else
5869         \protected\def\l@ngrel@x{\protected\long}%
5870       \fi
5871       \@argdef#1[#2]}}
5872
5873 \long\def\bidi@xargdef#1[#2][#3]#4{%
5874   \@ifdefinable#1{%
5875     \expandafter\protected
5876     \expandafter\def
5877     \expandafter#1%
5878     \expandafter{%
5879       \expandafter\@testopt
5880       \csname\string#1\endcsname{#3}}%
5881     \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
5882
5883 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
5884
5885 \def\bidi@renew@command#1{%
5886   \if@bidi@undef{#1}
5887     {\bidi@error{\string#1 undefined}\@ehc}
5888     {}%
5889   \let\@ifdefinable\@rc@ifdefinable
5890   \bidi@new@command#1}
5891
5892
5893
5894 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}

```



```

5895
5896 \def\ bidi@provide@command#1{%
5897   \if@bidi@undef{#1}
5898     {\def\reserved@a{\bidi@new@command#1}}
5899     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
5900   \reserved@a}
5901
5902 \newcommand*\bidi@csuse}[1]{%
5903   \ifcsname#1\endcsname
5904     \csname#1\expandafter\endcsname
5905   \fi}
5906
5907 \newcommand{\bidi@expandonce}[1]{%
5908   \unexpanded\expandafter{#1}}
5909
5910 \def\bidi@protected{%
5911   \let\@@protect\protect
5912   \let\protect\@unexpandable@protect
5913   \afterassignment\restore@protect}
5914
5915 \bidi@newrobustcmd{\bidi@appto}[2]{%
5916   \if@bidi@undef{#1}
5917     {\edef#1{\unexpanded{#2}}}
5918     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5919 \bidi@newrobustcmd{\bidi@eappto}[2]{%
5920   \if@bidi@undef{#1}
5921     {\edef#1{#2}}
5922     {\edef#1{\bidi@expandonce#1#2}}}
5923 \bidi@newrobustcmd{\bidi@gappto}[2]{%
5924   \if@bidi@undef{#1}
5925     {\xdef#1{\unexpanded{#2}}}
5926     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5927 \bidi@newrobustcmd{\bidi@xappto}[2]{%
5928   \if@bidi@undef{#1}
5929     {\xdef#1{#2}}
5930     {\xdef#1{\bidi@expandonce#1#2}}}
5931
5932 \bidi@newrobustcmd*\bidi@protected@eappto{\bidi@protected\bidi@eappto}
5933 \bidi@newrobustcmd*\bidi@protected@xappto{\bidi@protected\bidi@xappto}
5934
5935
5936
5937 \bidi@newrobustcmd{\bidi@preto}[2]{%
5938   \if@bidi@undef{#1}
5939     {\edef#1{\unexpanded{#2}}}
5940     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}
5941 \bidi@newrobustcmd{\bidi@epreto}[2]{%
5942   \if@bidi@undef{#1}
5943     {\edef#1{#2}}
5944     {\edef#1{#2\bidi@expandonce#1}}
5945 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
5946   \if@bidi@undef{#1}
5947     {\xdef#1{\unexpanded{#2}}}
5948     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}

```



```

5949 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
5950   \if@bidi@undef{#1}
5951     {\xdef#1{#2}}
5952     {\xdef#1{#2\bidi@expandonce#1}}}
5953
5954 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
5955 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
5956
5957
5958
5959 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
5960 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
5961 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
5962 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
5963 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
5964 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
5965
5966
5967
5968 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
5969 \bidi@newrobustcmd*{\bidi@cssepreto}[1]{\expandafter\bidi@sepreto\csname#1\endcsname}
5970 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
5971 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
5972 \bidi@newrobustcmd*{\bidi@protected@cssepreto}{\bidi@protected\bidi@cssepreto}
5973 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
5974
5975
5976
5977 \bidi@newrobustcmd{\if@bidi@patchable}{%
5978   \bidi@dbg@trce\if@bidi@patchable
5979   \begingroup
5980   \@makeother\%#
5981   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
5982
5983 \long\def\bidi@ifpatchable#1#2{%
5984   \endgroup
5985   \bidi@dbg@init#1%
5986   \if@bidi@undef{#1}
5987     {\bidi@dbg@fail{def}\@secondoftwo}
5988     {\bidi@dbg@info{def}%
5989     \if@bidi@defmacro{#1}
5990       {\bidi@dbg@info{mac}%
5991       \bidi@ifscanable{#1}
5992         {\bidi@ifhashcheck{#2}
5993           {\bidi@dbg@info{tok}%
5994             \bidi@ifpattern#1{#2}
5995               {\bidi@dbg@info{pat}%
5996                 \bidi@dbg@info{pos}\@firstoftwo}
5997                 {\bidi@dbg@fail{pat}\@secondoftwo}}
5998             {\bidi@dbg@fail{hsh}\@secondoftwo}}
5999             {\bidi@dbg@fail{tok}\@secondoftwo}}
6000             {\bidi@dbg@fail{mac}\@secondoftwo}}}
6001
6002 \long\def\bidi@ifpatchable@i#1{%

```



```

6003 \endgroup
6004 \bidi@dbg@init#1%
6005 \if@bidi@undef{#1}
6006   {\bidi@dbg@fail{def}\@secondoftwo}
6007   {\bidi@dbg@info{def}%
6008   \if@bidi@defmacro{#1}
6009     {\bidi@dbg@info{mac}%
6010     \if@bidi@defparam{#1}
6011       {\bidi@dbg@info{prm}%
6012       \bidi@ifscanable{#1}
6013         {\bidi@dbg@info{tok}%
6014         \bidi@dbg@info{pos}\@firstoftwo}
6015         {\bidi@dbg@fail{tok}\@secondoftwo}}
6016       {\bidi@dbg@info{prl}%
6017       \if@bidi@defprotected{#1}
6018         {\bidi@dbg@info{pro}}
6019         {}%
6020       \bidi@dbg@info{pos}\@firstoftwo}}
6021     {\bidi@dbg@fail{mac}\@secondoftwo}}
6022
6023 \bidi@newrobustcmd*{\bidi@patchcmd}{%
6024 \bidi@dbg@trce\bidi@patchcmd
6025 \begingroup
6026 \@makeother\#%
6027 \bidi@@patchcmd}
6028
6029 \newcommand{\bidi@@patchcmd}[4][#####1]{%
6030 \bidi@ifpatchable#2{#3}
6031   {\bidi@dbg@succ{ret}%
6032   \begingroup
6033   \edef\bidi@resrvda{%
6034     \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
6035       #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
6036     \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
6037       ####1\detokenize{#4}####2}%
6038     \edef\noexpand\bidi@resrvda{%
6039       \noexpand\bidi@resrvda\meaning#2&}}%
6040   \bidi@resrvda
6041   \bidi@patchcmd@scantoks\bidi@resrvda
6042   \let#2\bidi@resrvda
6043   \bidi@undef\bidi@resrvda
6044   \@firstoftwo}
6045   {\@secondoftwo}}
6046
6047 \def\bidi@patchcmd@scantoks#1{%
6048 \edef\bidi@resrvda{\endgroup
6049 \unexpanded{\makeatletter\scantokens}{#1}%
6050 \catcode\number`\@=\the\catcode`\@ \relax}%
6051 \bidi@resrvda}
6052
6053 \newcommand\bidi@isloaded[2][]{
6054 \expandafter\ifx\csname if@bidi@#2loaded@endcsname\relax
6055 \expandafter\newif\csname if@bidi@#2loaded@endcsname
6056 \fi

```





```

6057 \@ifpackageloaded{#2}
6058   {\csname @bidi@#2loaded@true\endcsname #1}
6059   {\csname @bidi@#2loaded@false\endcsname}}
6060
6061 \protected\def\bidi@ifscanable#1{%
6062   \begingroup
6063   \edef\bidi@resrvda{%
6064     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
6065       ####1\def\string\bidi@resrvda####2{####3}}}%
6066     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
6067   \bidi@resrvda
6068   \makeatletter
6069   \scantokens\expandafter{\bidi@resrvda}%
6070   \expandafter\endgroup\ifx#1\bidi@resrvda
6071     \expandafter\@firstoftwo
6072   \else
6073     \expandafter\@secondoftwo
6074   \fi}
6075
6076
6077 \protected\long\def\bidi@ifhashcheck#1{%
6078   \begingroup
6079   \edef\bidi@resrvda{\detokenize{#1}}%
6080   \expandafter\endgroup
6081   \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
6082
6083 \edef\bidi@ifhashcheck@i#1&{%
6084   \noexpand\expandafter
6085   \noexpand\bidi@ifhashcheck@ii
6086   \noexpand\strip@prefix#1\string#\string#&}
6087
6088 \edef\bidi@ifhashcheck@ii{%
6089   \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
6090 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
6091
6092
6093 \protected\long\def\bidi@ifpattern#1#2{%
6094   \begingroup
6095   \edef\bidi@resrvda{%
6096     \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
6097       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
6098     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
6099       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}}%
6100     \noexpand\bidi@resrvda}
6101   \bidi@resrvda\@secondoftwo\@firstoftwo}
6102
6103
6104 \newcommand{\if@bidi@defparam}{ }
6105 \long\edef\if@bidi@defparam#1{%
6106   \noexpand\expandafter\noexpand\noexpand\bidi@ifdefparam
6107   \noexpand\meaning#1\detokenize{macro}:->&}
6108 \edef\bidi@ifdefparam{%
6109   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
6110 \bidi@ifdefparam{\bidi@notblank{#2}}

```



```

6111
6112
6113 \newcommand{\if@bidi@defprotected}{}
6114 \long\edef\if@bidi@defprotected#1{%
6115   \noexpand\expandafter\noexpand\bidi@ifdefprotected
6116   \noexpand\meaning#1\string\protected&}
6117 \edef\bidi@ifdefprotected{%
6118   \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
6119 \bidi@ifdefprotected{\bidi@notblank{#2}}
6120
6121
6122 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
6123 \bidi@newrobustcmd{\bidi@csundef}[1]{%
6124   \expandafter\let\csname #1\endcsname\bidi@undefined
6125 }
6126
6127 \let\bidi@dbg@trce@gobble
6128 \let\bidi@dbg@init@gobble
6129 \let\bidi@dbg@info@gobble
6130 \let\bidi@dbg@succ@gobble
6131 \let\bidi@dbg@fail@gobble
6132
6133
6134
6135 \bidi@newrobustcmd*{\bidi@apptocmd}{%
6136   \bidi@dbg@trce\bidi@apptocmd
6137   \begingroup
6138   \@makeother\%#%
6139   \bidi@hooktocmd\bidi@append}
6140
6141
6142
6143 \bidi@newrobustcmd*{\bidi@pretocmd}{%
6144   \bidi@dbg@trce\bidi@pretocmd
6145   \begingroup
6146   \@makeother\%#%
6147   \bidi@hooktocmd\bidi@prepend}
6148
6149 \long\def\bidi@hooktocmd#1#2#3{%
6150   \endgroup
6151   \bidi@dbg@init#2%
6152   \if@bidi@undef{#2}
6153     {\bidi@dbg@fail{def}\@secondoftwo}
6154     {\bidi@dbg@info{def}%
6155       \if@bidi@defmacro{#2}
6156         {\bidi@dbg@info{mac}%
6157           \if@bidi@defparam{#2}
6158             {\bidi@dbg@info{prm}%
6159               \bidi@ifscanable{#2}
6160                 {\bidi@ifhashcheck{#3}
6161                   {\bidi@dbg@info{tok}%
6162                     \bidi@dbg@succ{ret}%
6163                     \bidi@hooktocmd@i#1#2{#3}%
6164                     \@firstoftwo}

```



```

6165         {\bidi@dbg@fail{hsh}\@secondoftwo}}
6166         {\bidi@dbg@fail{tok}\@secondoftwo}}
6167     {\bidi@dbg@info{prl}%
6168      \if@bidi@defprotected{#2}
6169      {\bidi@dbg@info{pro}%
6170       \bidi@dbg@succ{red}%
6171       \protected}
6172      {\bidi@dbg@succ{red}}}%
6173     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
6174     \@firstoftwo}}
6175     {\bidi@dbg@fail{mac}\@secondoftwo}}
6176
6177 \long\def\bidi@hooktocmd@i#1#2#3{%
6178   \begingroup
6179   \edef\bidi@resrvda{%
6180     \def\noexpand\bidi@resrvda###1\detokenize{macro}:###2->###3&{%
6181       ###1\def\string\bidi@resrvda\space###2{#1{###3}{\detokenize{#3}}}}%
6182     \edef\noexpand\bidi@resrvda{%
6183       \noexpand\bidi@resrvda\meaning#2&}}%
6184     \bidi@resrvda
6185     \bidi@patchcmd@scantoks\bidi@resrvda
6186     \let#2\bidi@resrvda
6187     \bidi@undef\bidi@resrvda}
6188
6189 \long\def\bidi@append#1#2{#1#2}
6190 \long\def\bidi@prepend#1#2{#2#1}
6191
6192 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
6193 %\newcommand*{\bidi@endpreamblehook}{}
6194
6195 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
6196
6197 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout}
6198 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
6199
6200 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
6201 \newcommand*{\bidi@beforeheaderhook}{}
6202
6203 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutput}
6204 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
6205
6206 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutput}
6207 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
6208
6209 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
6210 \newcommand*{\bidi@beforefooterhook}{}
6211
6212 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
6213 \newcommand*{\bidi@afterfooterhook}{}
6214
6215
6216 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
6217 \newcommand*{\bidi@afteroutputpageshipouthook}{}
6218

```



```

6219 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
6220 \newcommand*{\bidi@atendoutputpagehook}{}
6221
6222 %\bidi@preto\document{%
6223 % \endgroup
6224 % \let\bidi@AtEndPreamble\@firstofone
6225 % \bidi@endpreamblehook
6226 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
6227 % \bidi@undef\bidi@endpreamblehook
6228 % \beginingroup}
6229
6230 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
6231 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
6232
6233 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
6234 %\newcommand*{\bidi@afterendpreamblehook}{}
6235
6236 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}%
6237
6238 %\bidi@appto\document{%
6239 % \let\bidi@AfterEndPreamble\@firstofone
6240 % \bidi@afterendpreamblehook
6241 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
6242 % \bidi@undef\bidi@afterendpreamblehook
6243 % \ignorespaces}
6244
6245 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocumentchecklabelsrerunhook}
6246 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{}
6247
6248 \bidi@patchcmd\enddocument
6249 {\fi}
6250 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
6251 \bidi@afterenddocumentchecklabelsrerunhook
6252 \fi}
6253 {}
6254 {\PackageWarning{biditools}{Patching `string\enddocument' failed}}
6255
6256 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
6257
6258 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
6259 \newcommand*{\bidi@afterlastshipouthook}{}
6260
6261 \bidi@patchcmd\enddocument
6262 {\clearpage}
6263 {\clearpage
6264 \let\bidi@AfterLastShipout\@firstofone
6265 \bidi@afterlastshipouthook}
6266 {}
6267 {\let\bidi@clearpage\clearpage
6268 \def\clearpage{%
6269 \bidi@clearpage
6270 \let\bidi@AfterLastShipout\@firstofone
6271 \bidi@afterlastshipouthook}}
6272

```



```

6273 %\bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
6274 %\newcommand*{\bidi@afterenddocumenthook}{}
6275
6276 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}%
6277
6278 %\bidi@patchcmd\enddocument
6279 % {\deadcycles}
6280 % {\let\bidi@AfterEndDocument\@firstofone
6281 % \bidi@afterenddocumenthook
6282 % \deadcycles}
6283 % {}
6284 % {\let\bidi@@end\@@end
6285 % \def\@@end{%
6286 % \let\bidi@AfterEndDocument\@firstofone
6287 % \bidi@afterenddocumenthook
6288 % \bidi@@end}}
6289
6290 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
6291 \bidi@csgappto{@bidi@begin@#1@hook}}
6292
6293 % Patch \begin<space> and \end<space> in newer LaTeX releases
6294 % \begin and \end in older ones.
6295 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6296 {\csname #1\endcsname}
6297 {\bidi@csuse{@bidi@begin@#1@hook}}%
6298 \csname #1\endcsname}
6299 {}
6300 {\bidi@warning{%
6301 Patching '\string\begin' failed!\MessageBreak
6302 '\string\bidi@AtBeginEnvironment' will not work@gobble}}
6303
6304
6305
6306 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
6307 \bidi@csgappto{@bidi@end@#1@hook}}
6308
6309 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6310 {\csname end#1\endcsname}
6311 {\bidi@csuse{@bidi@end@#1@hook}}%
6312 \csname end#1\endcsname}
6313 {}
6314 {\bidi@warning{%
6315 Patching '\string\end' failed!\MessageBreak
6316 '\string\bidi@AtEndEnvironment' will not work@gobble}}
6317
6318
6319
6320 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
6321 \bidi@csgappto{@bidi@beforebegin@#1@hook}}
6322
6323 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6324 {\bidi@csuse{@bidi@beforebegin@#1@hook}}
6325 {}
6326 {\bidi@warning{%

```



```

6327     Patching '\string\begin' failed!\MessageBreak
6328     '\string\bidibeforebeginenvironment' will not work\@gobble}}
6329
6330 \bidinewrobustcmd{\bidiafterendenvironment}[1]{%
6331   \bidicsgappto{\bidiafterend@#1@hook}}
6332
6333 \expandafter\bidipatchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6334   {\if@ignore}
6335   {\bidicsuse{\bidiafterend@#1@hook}%
6336     \if@ignore}
6337   {}
6338   {\bidibwarning{%
6339     Patching '\string\end' failed!\MessageBreak
6340     '\string\bidiafterendenvironment' will not work\@gobble}}
6341
6342 \def\bidinamedef#1{\expandafter\def\csname #1\endcsname}
6343 \def\bidinamegdef#1{\expandafter\gdef\csname #1\endcsname}
6344 \def\bidinameedef#1{\expandafter\edef\csname #1\endcsname}
6345 \def\bidinamexdef#1{\expandafter\xdef\csname #1\endcsname}
6346
6347 % From David Carlisle:
6348 % The \stpelt redefinition below belongs to Heiko Oberdiek
6349 % See also https://github.com/ho-tex/oberdiek/issues/26
6350
6351 \let\@bidistepcounter\stepcounter
6352 \let\@bidistpelt\stpelt
6353
6354 \def\@stpelt#1{%
6355   \ifcsname bidireset@#1@perpage\endcsname
6356     \begingroup
6357     \let\stepcounter\@bidistepcounter
6358     \@bidistpelt{#1}%
6359   \endgroup
6360   \expandafter\@gobbletwo
6361 \fi
6362 \@bidistpelt{#1}%
6363 }
6364
6365 \bidipretocmd\stepcounter
6366 {%
6367   \ifbidicsundef{bidistepcounterhook@#1}{-}{%
6368     \csname bidistepcounterhook@#1\endcsname
6369   }%
6370 }-}%
6371 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
6372
6373 \chardef\bidibackslash`\\
6374 \def\bidics#1{\texttt{\char\bidibackslash#1}}
6375
6376 % anonymous control sequences
6377 \newcount\biditempcountb
6378 \newtoks\biditemptoksa
6379 \newtoks\biditemptoksb
6380

```



```

6381 % Catcode (re)storing
6382 %
6383 \def\bidi@storecatcode#1%
6384   {\escapechar\m@ne
6385   \bidi@csarg\edef\bidi@restorecatcode\string#1}%
6386   {\catcode\string#1=
6387   \the\catcode\expandafter\string#1}%
6388   \catcode\expandafter\string#1=12\relax
6389   \escapechar\\\relax}
6390 \def\bidi@restorecatcode#1%
6391   {\escapechar\m@ne
6392   \csname bidi@restorecatcode\string#1\endcsname
6393   \escapechar\\\relax}
6394
6395 % Construct a control sequence inside \edef
6396 %
6397 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
6398
6399 % Construct a control sequence out of #2, and give it to #1
6400 %
6401 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
6402
6403 % Pick an escapecharacter
6404 % this presumes that its argument is a character.
6405 %
6406 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
6407
6408 % Equality of strings.
6409 % the fast approach: does not work in expansion-only environment.
6410 %
6411 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
6412   \ifx\bidi@eqs@a\bidi@eqs@b}
6413
6414 % Test by expansion only
6415 %
6416 \def\bidi@EqualStringX#1#2{00\fi
6417   \csname if\@bidi@EqualStringX#1&#2&\endcsname}
6418 \def\@bidi@EqualStringX#1#2$#3#4$\ifx#1#3%
6419   \ifx#1&true\else\bidi@hop@ES\@bidi@EqualStringX#2$#4$\fi
6420   \else false\fi}
6421 \def\bidi@hop@ES#1\fi#2\fi{\fi\fi#1}
6422
6423 % Lexicographic ordering
6424 % note the use of \def
6425 % also note the characters 0,127,255 that are used,
6426 % these are not supposed to appear in the strings
6427 %
6428 {\catcode0=12 \catcode255=12 \catcode127=12
6429 \gdef\bidi@StringBeforeNC#1#2{00\fi
6430 \bidi@CharsBefore#1^^@^^?#2^^ff^^?}
6431 \gdef\bidi@CharsBeforeNC#1#2^^?#3#4^^?{%
6432   \ifcat#1\relax\def\bidi@next{\bidi@CharsBefore#2^^@^^?#3#4^^ff^^?}%
6433   \else\ifcat#3\relax\def\bidi@next{\bidi@CharsBefore#1#2^^@^^?#4^^ff^^?}%
6434   \else\ifnum\lccode`#1<\lccode`#3

```



```

6435         \def\bidi@next{\csname iftrue\endcsname}%
6436         \else\ifnum\lccode`#1>\lccode`#3
6437             \def\bidi@next{\csname iffalse\endcsname}%
6438             \else\def\bidi@next{\bidi@CharsBefore#2^^?#4^^?}%
6439 \fi \fi \fi \fi
6440 \bidi@next}
6441 \gdef\bidi@StringBefore#1#2{00\fi
6442 \bidi@CharsBefore#1^^@^^?#2^^ff^^?}
6443 \gdef\bidi@CharsBefore#1#2^^?#3#4^^?{%
6444 \ifnum`#1<`#3
6445     \def\bidi@next{\csname iftrue\endcsname}%
6446 \else\ifnum`#1>`#3
6447     \def\bidi@next{\csname iffalse\endcsname}%
6448     \else\def\bidi@next{\bidi@CharsBefore#2^^?#4^^?}%
6449 \fi\fi
6450 \bidi@next}
6451 }
6452
6453 % Null argument test
6454 %
6455 \def\bidi@empty{}
6456 \def\bidi@ifempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\bidi@null}
6457 \def\bidi@ifemptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\bidi@null}
6458 %\def\bidi@ifempty#1{\def\bidi@cs@a{#1}\ifx\bidi@cs@a\bidi@empty}
6459 \def\bidi@ifemptyList#1{00\fi\def\bidi@cs@a{#1}\ifx\cs@a\bidi@empty}
6460
6461 % Next character test
6462 %
6463 \def\bidi@NextChar#1#2#3{00\fi
6464 \let\bidi@nxt@ch#1\def\bidi@nxt@a{#2}\def\bidi@nxt@b{#3}%
6465 \futurelet\bidi@nxt@c@\bidi@ifnxtc}
6466 \def\bidi@ifNextChar#1#2#3{%
6467 \let\bidi@nxt@ch#1\def\bidi@nxt@a{#2}\def\bidi@nxt@b{#3}%
6468 \futurelet\bidi@nxt@c@\bidi@ifnxtc}
6469 \def\bidi@ifnxtc{\ifx\bidi@nxt@ch\bidi@nxt@c \expandafter\bidi@nxt@a
6470 \else \expandafter\bidi@nxt@b \fi}
6471
6472 % Test for defined-ness of string as control sequence.
6473 % works inside \edef
6474 %
6475 \def\bidi@undefinedcs#1{00\fi\bidi@csarg\ifx{#1}\relax}
6476
6477 % Define uniquely defined dummy macros,
6478 % usually to serve as bumper blocks at the end of a list
6479 %
6480 \newcount\bidi@dummies
6481 \def\DefNewDummy#1{
6482 \if\bidi@undefinedcs{#1}\bidi@csarg\edef{#1}{bidi@dum\the\bidi@dummies}
6483 \advance\bidi@dummies\@ne
6484 \else
6485 \bidi@error{Attempt at second definition of `#1'}
6486 \fi}
6487
6488 % string case statement

```





```

6489% use: \bidi@switch \iftest{...} in:
6490%     item1 action1
6491%     ...
6492%     itemn actionn
6493%     default defaultaction [optional]
6494%     \endbidi@switch
6495% inspired by Jonathan Fine: Some Basic Control Macros
6496% Tugboat 12 #4
6497%
6498\let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{bidi@default}
6499\def\bidi@switch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
6500\def\bidi@switch #1#2#3{\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6501 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6502 \bidi@switch {#1}
6503 }
6504% this version puts the test object in {}
6505\def\bidi@oswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6506 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6507 \bidi@switch #1 in:
6508 }
6509% this version assumes that the test object is just one character
6510\def\bidi@cswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6511 #1#2\bidi@switch@exit #3 \@bidi@fi
6512 \bidi@cswitch #1 in:
6513 }
6514% this version assumes that the test object can have an optional space
6515\def\bidi@bswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6516 #1#2 \bidi@switch@exit #3 \@bidi@fi
6517 \bidi@bswitch #1 in:
6518 }
6519% this version can cope with significant spaces at the start of #3;
6520% #2 is macro argument
6521\def\bidi@mswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6522 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6523 \bidi@mswitch #1 in:
6524 }
6525% idem; #2 does not have to be enclosed in braces
6526\def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6527 #1#2 \bidi@switch@exit #3 \@bidi@fi
6528 \bidi@fswitch #1 in:
6529 }
6530
6531% Routines for taking the value of a string:
6532% if the string is defined as control sequence
6533% take the value of that, otherwise take the string itself
6534
6535% String or value of control sequence
6536%
6537\def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
6538
6539% String or control sequence
6540%
6541\def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
6542

```



```

6543 % String or \noexpand-ed control sequence;
6544 % for use in \edef
6545 %
6546 \newif\ifbidi@in@label
6547 \def\@bidi@w@w#1{\if\@bidi@undefinedcs{#1}#1\else
6548     \ifbidi@in@label\noexpand\protect\fi \@bidi@csname{#1}\fi}
6549 \newtoks\@bidi@are@these@correct
6550 \def\@bidi@t@w@w#1{%
6551     \if\@bidi@undefinedcs{#1}#1%
6552     \ifdefining\@bidi@append@to@list\@bidi@are@these@correct{#1 }\fi
6553     \else
6554     \ifin@label\noexpand\protect\fi \@bidi@csname{#1}\fi}
6555
6556 % List Manipulation .....
6557 % this assumes that #1 is a list of tokens, #2 is the name of a list
6558 %
6559 % Names of lists (and of items to pop into) are given as strings;
6560 % not as control sequences.
6561 %
6562 \newtoks\@bidi@toks@lista \newtoks\@bidi@toks@listb
6563 % basic append/prepend macro
6564 \long\def\@bidi@append@to@cslist#1#2#3{\begingroup\@bidi@toks@lista=#2{#3}%
6565 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\@bidi@toks@listb}
6566 \long\def\@bidi@prepend@to@cslist#1#2#3{\begingroup\@bidi@toks@lista=#2{#3}%
6567 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\@bidi@toks@listb}
6568 \def\@bidi@append@to@list{\@bidi@csarg\@bidi@append@to@cslist}
6569 \def\@bidi@prepend@to@list{\@bidi@csarg\@bidi@prepend@to@cslist}
6570 % variations:
6571 \long\def\@bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
6572 \long\def\@bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
6573 \def\@bidi@append@list@to@list#1#2{%
6574 \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}
6575 \def\@bidi@prepend@list@to@list#1#2{%
6576 \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}
6577 \def\@bidi@append@cslist@to@cslist#1#2{%
6578 \@bidi@append@to@cslist{#1}\expandafter{\the#2}}
6579 \def\@bidi@prepend@cslist@to@cslist#1#2{%
6580 \@bidi@prepend@to@cslist{#1}\expandafter{\the#2}}
6581 \def\@bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
6582 \def\@bidi@prepend@toks@cs@to@list#1#2{\@bidi@prepend@to@list{#1}\expandafter{\the#2}}
6583
6584 \let\@bidi@willbeunhskip\unhskip
6585
6586 % A few list macros for the user
6587 \def\NewTokenList:#1 {\@bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
6588 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
6589 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
6590 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{#2}}
6591 \def\TheTokenList:#1 {\let\@bidi@oldwbuskip\@bidi@willbeunhskip \let\@bidi@willbeunhskip\@empty
6592 \if\@bidi@undefinedcs{#1}\@bidi@error{Token List <#1> undefined}
6593 \else\@bidi@csarg\the{#1}\fi
6594 \let\@bidi@willbeunhskip\@bidi@oldwbuskip}
6595
6596 \def\@bidi@del@tok@from@list#1#2{\begingroup

```



```

6597 \long\def\ bidi@cs@liste##1#2##2\ bidi@tok@SM
6598   {\bidi@toks@lista{##1}\bidi@toks@listb{##2}%
6599   \edef\bidi@cs@listb{\global\bidi@csname{##1}=
6600     {\the\bidi@toks@lista\the\bidi@toks@listb}}%
6601   \bidi@cs@listb}%
6602   \edef\bidi@cs@lista{\noexpand\bidi@cs@liste{}}\expandafter\the\csname#1\endcsname\noexpand
6603   \bidi@cs@lista \endgroup}
6604 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
6605   \bidi@in@front@of@cslist\bidi@cs@lista}
6606 \long\def\bidi@in@front@of@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
6607   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@list
6608   \endgroup}
6609 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
6610   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
6611   {\expandafter\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
6612   \expandafter\the\csname#1\endcsname}%
6613   }
6614 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
6615   \bidi@set@cslist\bidi@cs@lista}
6616 \long\def\bidi@set@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
6617   \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
6618
6619 %%%%%%%%%%%%%%% Stack macros
6620 %
6621 % push in terms of prepending of lists
6622 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@cslist#1\expandafter{\expandafter\expandafter
6623 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{##1}}
6624 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@cslist#1}{\{##2}}
6625 \def\bidi@local@push@onto#1#2{\let\relax
6626   \bidi@local@in@front@of@list{##1}{\{##2}}
6627 % pop via auxiliary macro: #1 is result, #2 is stack
6628 % two cs arguments
6629 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
6630   {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
6631 % two string arguments
6632 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
6633   {\noexpand\@bidi@popinto\bidi@csname{##1}\bidi@csname{##2}\bidi@csarg\the{##2}\noexpand\@bidi@
6634 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{##1}{##3}{##2}{##4}}
6635 \def\bidi@copy@stacktop#1#2{%
6636   \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
6637     {##1}\bidi@csarg\the{##2}\noexpand\@bidi@pop}%
6638   \bidi@cs@e}
6639 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
6640 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
6641 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{##1}}
6642 \def\bidi@length@of@csstack#1{\def\#1{\advance\bidi@stack@length\@ne}%
6643   \bidi@stack@length\@m@ne \the#1}
6644 % turn a stack upside down
6645 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{##1}%
6646   \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
6647   \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6648     \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\@m@ne
6649     \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
6650 %   \bidi@append@cslist@to@cslist\bidi@temptoksb\bidi@temptoksa% append a to b

```



```

6651 % \bidi@temptoksa\bidi@temptoksb
6652 \repeat% copy b to a
6653 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6654 % invert a stack into a list
6655 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
6656 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
6657 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6658 \bidi@pop@into{\bidi@temptoksb}{#1}\advance\bidi@stack@length\m@ne
6659 \bidi@append@list@to@list{\bidi@temptoksb}{\bidi@temptoksa}\repeat
6660 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6661
6662
6663 % General loop macro:
6664 % \looprepeat
6665 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
6666 % \untilcondition{<cond>} \whilecondition{<cond>}
6667 % \doloopbody { <loop body> }
6668 % where all control sequences in between \looprepeat and \doloopbody are optional.
6669 %
6670 % var: characters to form a control sequence;
6671 % after \forvariable{index} you can access the loop counter as \index.
6672 % This is a count register; to print it use \number\index.
6673 % start,step,end: integers with obvious relations to the loop counter;
6674 % start and step have a default value of 1
6675 % cond: (sequence of commands ending in) any TeX \if... test.
6676 %
6677 % Count down instead of up with \downtovalue; the increment given in \bystep
6678 % is always positive, and is added or subtracted accordingly.
6679 %
6680 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
6681 % at the beginning of the loop body.
6682 %
6683 % Exit from middle of loop: \breaklooprepeat
6684 % use this at any place in the loop; in case of a conditional use
6685 % \ifsomething ... \expandafter \breaklooprepeat \fi
6686 %
6687 % Note that the line ends do not cause spaces in the output.
6688 %
6689 % Technical details:
6690 % The loop body is not executed in a group: the braces are those
6691 % of a token list.
6692 % The `forvariable' variable is \let to a \count register.
6693
6694
6695
6696 % Auxiliary stuff
6697 \def\bidi@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
6698 \def\bidi@looprepeat@csromannumeral#1{\csname #1\romannumeral\bidi@looprepeat@depth\endcsname}
6699 \def\bidi@looprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidi@looprepeat@depth\endcsname}
6700
6701 \newcount\bidi@looprepeat@depth
6702 \let\endlooprepeat\relax \def\bidi@csprotect{}
6703 % Trace switches may later be defined by PAC_utils
6704 \let\bidi@looprepeat@traceinit\relax \let\bidi@looprepeat@traceexit\relax

```



```

6705
6706 % Main repeatloop macro
6707 % - go to next level and allocate unique counter/toks if this is the
6708 %   first time we visit this level
6709 % - setup: gather bounds and termination conditions
6710 % - scoop up body in token list; after the assignment define and
6711 %   execute body
6712 \def\looprepeat#1\doloopbody{\bidi@looprepeat@traceinit % exit in \breakrepeatloop
6713   \advance\bidi@looprepeat@depth\@ne\relax
6714   \bidi@looprepeat@csargromannumeral\ifx\bidi@looprepeat@count}\relax
6715     \bidi@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidi@looprepe
6716     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepea
6717     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepea
6718     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepea
6719   \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{}\def\bidi@looprepeat@comp{>}\bidi@loop
6720   \edef\bidi@looprepeat@tmp
6721     {\def\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}{\bidi@loop
6722   \afterassignment\bidi@looprepeat@dxbody\bidi@looprepeat@csromannumeral{\bidi@looprepeat@tok
6723
6724 % Define and execute loop body
6725 % This is done with an \edef to construct the actual sequence
6726 \def\bidi@looprepeat@dxbody{\bidi@looprepeat@csargromannumeral\edef{\bidi@looprepeat@body}{%
6727   \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}%
6728   \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@toks}%
6729   \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@utest}%
6730   \global\bidi@looprepeat@csargromannumeral\advance{\bidi@looprepeat@count} by \bidi@loopre
6731   \noexpand\endlooprepeat
6732   \bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}}}%
6733 \bidi@looprepeat@csromannumeral{\bidi@looprepeat@body}\ignorespaces}
6734
6735 % Stop test
6736 %% In order to stop, issue a
6737 % \breaklooprepeat which scoops up the rest of the body and exits
6738 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral
6739   \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
6740 }
6741
6742
6743 % Setup
6744 % gather bounds and termination conditions
6745 \def\bidi@looprepeat@setup#1{%
6746   \begingroup
6747     \def\forvariable##1{%
6748       \edef\bidi@looprepeat@tmp{%
6749         \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{\bidi@
6750         \bidi@looprepeat@tmp}%
6751       \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{\bidi@looprepeat@count}##1\ig
6752       \def\tovalue##1{%
6753         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loop
6754         {\bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}%
6755         \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}\bi
6756         \noexpand\expandafter \noexpand\breaklooprepeat
6757         \noexpand\fi}\ignorespaces}%
6758         \bidi@looprepeat@tmp}%

```



```

6759 \def\downtovalue##1{%
6760 \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
6761 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}
6762 \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc}{-##1}\else
6763 \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc}{##1}\fi\ignoresp
6764 \def\untilcondition##1{%
6765 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loop
6766 {noexpand##1\relax
6767 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6768 \bidi@looprepeat@tmp}%
6769 \def\whilecondition##1{%
6770 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loop
6771 {noexpand##1\relax \noexpand\else
6772 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6773 \bidi@looprepeat@tmp}%
6774 \fromvalue{\@ne}\bystep{\@ne}#1%
6775 \endgroup}
6776 \def\bidi@looprepeat@zero
6777 {\bidi@looprepeat@csromannumeral\bidi@looprepeat@toks}{\bidi@looprepeat@csromannumeral{b
6778 \bidi@looprepeat@csargromannumeral\def\bidi@looprepeat@body}{}}
6779
6780 %\tracingmacros2
6781 %\newcount\tmpcount % used in some examples below
6782
6783 %\looprepeat \forvariable{i}
6784 % \bystep{2}
6785 % \doloopbody {%
6786 % \ifnum i=13 \expandafter\breaklooprepeat \fi
6787 % \number{i} %
6788 %}%
6789
6790 %\looprepeat \forvariable{iii}
6791 % \tovalue{8}
6792 % \doloopbody {}
6793 %After loop: \number{iii}%
6794
6795 %\looprepeat \forvariable{i}
6796 % \fromvalue{10}
6797 % \bystep{2}
6798 % \downtovalue{0}
6799 % \doloopbody {\number{i} }
6800
6801 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
6802 % \doloopbody {\number{x} }
6803
6804 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
6805
6806 %\looprepeat \forvariable{j}
6807 % \untilcondition{\tmpcount=j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
6808 % \doloopbody {\number{j} }
6809
6810 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
6811 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
6812 % \doloopbody {(\number{i}.\number{j} )

```



```

6813% }
6814
6815% infinite loop
6816%\looprepeat \doloopbody {}
6817
6818\ExplSyntaxOn
6819\NewDocumentCommand \bidi@AfterClass { s m o +m }
6820 {
6821   \IfBooleanTF { #1 }
6822   {
6823     \@ifclassloaded{ #2 }
6824     { #4 }
6825     {
6826       \hook_gput_code:nnn
6827         { file / #2.\@clsextension / after }
6828         { #3 }
6829         { #4 }
6830     }
6831   }
6832   {
6833     \hook_gput_code:nnn { file / #2.\@clsextension / after } { #3 } { #4 }
6834   }
6835 }
6836
6837\seq_new:N \g__biditools_input_file_seq
6838
6839\prg_new_protected_conditional:Npnn \__bidi_if_loading:n #1 { T, F, TF }
6840 {
6841   \str_set:Nx \l_tmpa_str { #1 }
6842   \seq_if_in:NxTF \g__biditools_input_file_seq { \str_use:N \l_tmpa_str }
6843   { \prg_return_true: }
6844   { \prg_return_false: }
6845 }
6846
6847\prg_new_protected_conditional:Npnn \bidi_if_class_loaded:n #1 { T, F, TF }
6848 {
6849   \@ifclassloaded { #1 }
6850   {
6851     \__bidi_if_loading:nTF { #1.\@clsextension }
6852     { \prg_return_false: }
6853     { \prg_return_true: }
6854   }
6855   {
6856     \prg_return_false:
6857   }
6858 }
6859
6860\prg_new_protected_conditional:Npnn \bidi_if_package_loaded:n #1 { T, F, TF }
6861 {
6862   \@ifpackageloaded { #1 }
6863   {
6864     \__bidi_if_loading:nTF { #1.\@pkgextension }
6865     { \prg_return_false: }
6866     { \prg_return_true: }

```



```

6867     }
6868     {
6869         \prg_return_false:
6870     }
6871 }
6872
6873 \NewDocumentCommand \bidi@AfterAtEndOfClass { s m o +m }
6874 {
6875     \IfBooleanTF { #1 }
6876     {
6877         \bidi_if_class_loaded:nTF { #2 }
6878         { #4 }
6879         { \hook_gput_code:nnn { class / #2 / after } { #3 } { #4 } }
6880     }
6881     {
6882         \bidi_if_class_loaded:nF
6883         { #2 }
6884         { \hook_gput_code:nnn { class / #2 / after } { #3 } { #4 } }
6885     }
6886 }
6887
6888 \NewDocumentCommand \bidi@AfterPackage { s m o +m }
6889 {
6890     \IfBooleanTF { #1 }
6891     {
6892         \@ifpackageloaded{ #2 }
6893         { #4 }
6894         {
6895             \hook_gput_code:nnn
6896             { file / #2.\@pkgextension / after }
6897             { #3 }
6898             { #4 }
6899         }
6900     }
6901     {
6902         \hook_gput_code:nnn { file / #2.\@pkgextension / after } { #3 } { #4 }
6903     }
6904 }
6905
6906 \NewDocumentCommand \bidi@AfterAtEndOfPackage { s m o +m }
6907 {
6908     \IfBooleanTF { #1 }
6909     {
6910         \bidi_if_package_loaded:nTF { #2 }
6911         { #4 }
6912         { \hook_gput_code:nnn { package / #2 / after } { #3 } { #4 } }
6913     }
6914     {
6915         \bidi_if_package_loaded:nF
6916         { #2 }
6917         { \hook_gput_code:nnn { package / #2 / after } { #3 } { #4 } }
6918     }
6919 }
6920

```





```

6921 \clist_new:N \l__biditools_package_clist
6922 \msg_new:nnn { biditools } { cannot-prevent-for-already-loaded-package }
6923 {
6924   Can~not~prevent~package~`#1'~from~being~loaded,~
6925   since~it~has~been~loaded~already~before~line~\msg_line_number:
6926 }
6927 \clist_new:N \g__biditools_prevent_clist
6928
6929 \NewDocumentCommand \bidi@PreventPackageFromLoading { s +o m }
6930 {
6931   \clist_set:Nx \l__biditools_package_clist { #3 }
6932   \clist_map_inline:Nn \l__biditools_package_clist
6933     {
6934       \@ifpackageloaded { ##1 }
6935       {
6936         \IfBooleanTF { #1 } { \msg_info:nnn } { \msg_warning:nnn }
6937         { biditools } { cannot-prevent-for-already-loaded-package } { ##1 }
6938       }
6939       {
6940         \clist_if_in:NnF \g__biditools_prevent_clist { ##1 }
6941         { \clist_gput_right:Nn \g__biditools_prevent_clist { ##1 } }
6942         \tl_if_exist:cF { g__biditools_exclude_package_##1_tl }
6943         {
6944           \tl_new:c { g__biditools_exclude_package_##1_tl }
6945         }
6946         \IfValueT { #2 }
6947         {
6948           \tl_gput_right:cn { g__biditools_exclude_package_##1_tl } { #2 }
6949         }
6950         \disable@package@load { ##1 }
6951         { \tl_use:c { g__biditools_exclude_package_##1_tl } }
6952       }
6953     }
6954   \clist_clear:N \l__biditools_package_clist
6955 }
6956
6957 \NewDocumentCommand \bidi@ResetPreventPackageFromLoading {}
6958 {
6959   \clist_map_function:NN \g__biditools_prevent_clist \reenable@package@load
6960   \clist_gclear:N \g__biditools_prevent_clist
6961 }
6962
6963 \NewDocumentCommand \bidi@StorePreventPackageFromLoading { m }
6964 { \edef #1 { \clist_use:Nn \g__biditools_prevent_clist { , } } }
6965
6966 \NewDocumentCommand \bidi@UnPreventPackageFromLoading { s m }
6967 {
6968   \clist_set:Nx \l__biditools_package_clist { #2 }
6969   \clist_map_inline:Nn \l__biditools_package_clist
6970     {
6971       \clist_if_in:NnT \g__biditools_prevent_clist { ##1 }
6972       {
6973         \clist_gremove_all:Nn \g__biditools_prevent_clist { ##1 }
6974         \reenable@package@load { ##1 }

```



```

6975         \IfBooleanT { #1 }
6976             { \cs_undefine:c { g__biditools_exclude_package_##1_t1 } }
6977         }
6978     }
6979 }
6980
6981 \NewDocumentCommand \bidi@BeforeClosingMainAux { o m }
6982 {
6983     \hook_gput_code:nnn { enddocument / afterlastpage } { #1 }
6984     {
6985         \debug_suspend:
6986         \RenewDocumentCommand \bidi@BeforeClosingMainAux { m } { ##1 }
6987         \cs_set_eq:NN \__biditools_protected@write:Nnn \protected@write
6988         \cs_set_eq:NN \protected@write \protected@immediate@write
6989         #2
6990         \cs_set_eq:NN \protected@write \__biditools_protected@write:Nnn
6991         \debug_resume:
6992     }
6993 }
6994
6995 \NewDocumentCommand \bidi@AfterReadingMainAux { o m }
6996 {
6997     \hook_gput_code:nnn { enddocument / afteraux } { #1 }
6998     {
6999         \debug_suspend:
7000         \RenewDocumentCommand \bidi@AfterReadingMainAux { m } { ##1 }
7001         \cs_set_eq:NN \__biditools_protected@write:Nnn \protected@write
7002         \cs_set_eq:NN \protected@write \protected@immediate@write
7003         #2
7004         \cs_set_eq:NN \protected@write \__biditools_protected@write:Nnn
7005         \debug_resume:
7006     }
7007 }
7008 \ExplSyntaxOff
7009
7010 \newcommand*{\bidi@ReplaceInput}{\declare@file@substitution}
7011 \newcommand*{\bidi@UnReplaceInput}
7012 {\undeclare@file@substitution}
7013 \newcommand*{\bidi@ReplacePackage}[2]{%
7014 \declare@file@substitution{#1.\@pkgextension}{#2.\@pkgextension}%
7015 }
7016 \newcommand*{\bidi@UnReplacePackage}[1]{%
7017 \undeclare@file@substitution{#1.\@pkgextension}%
7018 }
7019 \newcommand*{\bidi@ReplaceClass}[2]{%
7020 \declare@file@substitution{#1.\@clsextension}{#2.\@clsextension}%
7021 }
7022 \newcommand*{\bidi@UnReplaceClass}[1]{%
7023 \undeclare@file@substitution{#1.\@clsextension}%
7024 }
7025 \newcommand*{\bidi@BeforeFile}[1]{%
7026 \AddToHook{file/#1/before}%
7027 }
7028 \newcommand*{\bidi@AfterFile}[1]{%

```



```

7029 \AddToHook{file/#1/after}%
7030 }
7031 \newcommand*\bidi@BeforeClass}[1]{%
7032   \bidi@BeforeFile{#1.\@clsextension}%
7033 }
7034 \newcommand*\bidi@BeforePackage}[1]{%
7035   \bidi@BeforeFile{#1.\@pkgextension}%
7036 }
7037
7038 \def\bidi@patch@AfterPackage#1{%
7039   \@ifpackageloaded{#1}{%
7040     \@firstofone
7041   }{%
7042     \AddToHook{package/#1/after}%
7043   }%
7044 }
7045 \def\bidi@ApplyPatchToPackage#1{%
7046   \bidi@patch@AfterPackage{#1}{\input{#1-xetex-bidi.def}}%
7047 }

```

## 53 File `bidituftefloat.sty`

```

7048 \NeedsTeXFormat{LaTeX2e}
7049 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
7050 bidi implementation of tufte float]
7051 \RequirePackage{xifthen}
7052 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
7053 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
7054 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{@bidituftefloat@debug}}{\bid
7055 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1@gobble}}
7056 \newboolean{@bidituftefloat@reversegeometry}
7057 \setboolean{@bidituftefloat@reversegeometry}{false}
7058 \DeclareOption{reversegeometry}{\setboolean{@bidituftefloat@reversegeometry}{true}}
7059 \newboolean{@bidituftefloat@a4paper}
7060 \DeclareOption{a4paper}{\setboolean{@bidituftefloat@a4paper}{true}}
7061 \newboolean{@bidituftefloat@b5paper}
7062 \DeclareOption{b5paper}{\setboolean{@bidituftefloat@b5paper}{true}}
7063 \newboolean{@bidituftefloat@symmetric}
7064 \newboolean{@bidituftefloat@twoside}
7065 \DeclareOption{twoside}{%
7066   \@twosidetrue \@mparswitchtrue%
7067 \setboolean{@bidituftefloat@twoside}{true}}%
7068 \setboolean{@bidituftefloat@symmetric}{true}%
7069 }
7070 \DeclareOption{oneside}{%
7071   \@twosidefalse \@mparswitchfalse%
7072 \setboolean{@bidituftefloat@twoside}{false}}%
7073 \setboolean{@bidituftefloat@symmetric}{false}}%
7074 }
7075 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
7076 \newboolean{@bidituftefloat@debug}
7077 \newcommand*\@bidituftefloat@caption@justification{\@bidituftefloat@justification@autodete
7078 \ProcessOptions
7079 %% Globally sets the length

```



```

7080 \newcommand*\gsetlength}[2]{%
7081   \setlength{#1}{#2}%
7082   \global#1=#1\relax%
7083 }
7084
7085 %% Set the font sizes and baselines to match bidentuftefloat's books
7086 \renewcommand\normalsize{%
7087   \@setfontsize\normalsize\@xpt{14}%
7088   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7089   \abovedisplayshortskip \z@ \@plus3\p@
7090   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
7091   \belowdisplayskip \abovedisplayskip
7092   \let\@listi\@listI}
7093 \normalbaselineskip=14pt
7094 \normalsize
7095 \renewcommand\footnotesize{%
7096   \@setfontsize\footnotesize\@viiipt{10}%
7097   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7098   \abovedisplayshortskip \z@ \@plus\p@
7099   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
7100   \def\@listi{\leftmargin\leftmargini
7101             \topsep 3\p@ \@plus\p@ \@minus\p@
7102             \parsep 2\p@ \@plus\p@ \@minus\p@
7103             \itemsep \parsep}%
7104   \belowdisplayskip \abovedisplayskip
7105 }
7106 %% Paragraph indentation and separation for marginal text
7107 \newcommand{\@bidentuftefloat@margin@par}{%
7108   \setlength{\RaggedRightParindent}{0.5pc}%
7109   \setlength{\JustifyingParindent}{0.5pc}%
7110   \setlength{\parindent}{0.5pc}%
7111   \setlength{\parskip}{0pt}%
7112 }
7113 \RequirePackage{ragged2e}
7114 \ifthenelse{\boolean{@bidentuftefloat@reversegeometry}}{%
7115 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginpar]{}
7116 \ifthenelse{\boolean{@bidentuftefloat@a4paper}}{
7117   {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginpar}
7118   }
7119 \ifthenelse{\boolean{@bidentuftefloat@b5paper}}{
7120   {\geometry{paperwidth=176mm, paperheight=250mm, right=14.66mm, top=13.88mm, textwidth=102.66mm,
7121   }
7122 }
7123 \RequirePackage[letterpaper, left=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginpar]{}
7124 \ifthenelse{\boolean{@bidentuftefloat@a4paper}}{
7125   {\geometry{a4paper, left=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginpar}
7126   }
7127 \ifthenelse{\boolean{@bidentuftefloat@b5paper}}{
7128   {\geometry{paperwidth=176mm, paperheight=250mm, left=14.66mm, top=13.88mm, textwidth=102.66mm,
7129   }
7130 }
7131 \ifthenelse{\boolean{@bidentuftefloat@symmetric}}{
7132   {\geometry{asymmetric}}% forces internal LaTeX `twoside'
7133 }
7134 \setlength\marginparpush{10pt}
7135 %% Font for margin items

```



```

7134 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
7135 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
7136 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
7137 \newcommand{\@biditytfloat@justification}{\justifying}%
7138 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7139 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7140 \newboolean{\@biditytfloat@change@page}
7141 \IfFileExists{change@page.sty}{%
7142   \biditytfloatDebugInfoNL{Found change@page.sty}
7143   \RequirePackage[strict]{change@page}
7144   \setboolean{\@biditytfloat@change@page}{true}
7145 }{%
7146   \biditytfloatDebugInfoNL{Found chngpage.sty}
7147   \RequirePackage[strict]{chngpage}
7148   \setboolean{\@biditytfloat@change@page}{false}
7149 }
7150 \newboolean{\@biditytfloat@odd@page}
7151 \setboolean{\@biditytfloat@odd@page}{true}
7152 \newcommand*{\@biditytfloat@check@odd@page}{%
7153   \check@odd@page%
7154   \ifthenelse{\boolean{\@biditytfloat@change@page}}{%
7155     \if@odd@page%
7156       \setboolean{\@biditytfloat@odd@page}{true}%
7157     \else%
7158       \setboolean{\@biditytfloat@odd@page}{false}%
7159     \fi%
7160   }{%
7161     \if@p@odd@page%
7162       \setboolean{\@biditytfloat@odd@page}{true}%
7163     \else%
7164       \setboolean{\@biditytfloat@odd@page}{false}%
7165     \fi%
7166   }%
7167 }
7168 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
7169 \newlength{\@biditytfloat@fullwidth}
7170 \newlength{\@biditytfloat@caption@fill}
7171 \newcommand{\@biditytfloatRecalculate}{%
7172   \setlength{\@biditytfloat@overhang}{\marginparwidth}
7173   \addtolength{\@biditytfloat@overhang}{\marginparsep}
7174
7175   \setlength{\@biditytfloat@fullwidth}{\textwidth}
7176   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
7177   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
7178
7179   \setlength{\@biditytfloat@caption@fill}{\textwidth}
7180   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
7181 }
7182 \AtBeginDocument{\@biditytfloatRecalculate}
7183 \RequirePackage{optparams}% provides multiple optional arguments for commands
7184 \RequirePackage{placeins}
7185 \newsavebox{\@biditytfloat@margin@float@box}
7186 \newenvironment{\@biditytfloat@margin@float}[2] [-1.2ex]%
7187   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in o

```



```

7188 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
7189 \begin{minipage}{\marginparwidth}%
7190   \@biditytfloat@caption@font%
7191   \def\@capttype{#2}%
7192   \hbox{\vspace*{#1}}%
7193   \@biditytfloat@caption@justification%
7194   \@biditytfloat@margin@par%
7195   \noindent%
7196 }
7197 {\end{minipage}}%
7198 \end{lrbox}}%
7199 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
7200 }
7201 \newenvironment{marginfigure}[1][-.2ex]%
7202   {\begin{@biditytfloat@margin@float}[#1]{figure}}
7203   {\end{@biditytfloat@margin@float}}
7204 \newenvironment{margintable}[1][-.2ex]%
7205   {\begin{@biditytfloat@margin@float}[#1]{table}}
7206   {\end{@biditytfloat@margin@float}}
7207 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
7208
7209 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
7210 \newcommand{\@biditytfloat@float@debug}[1]{}% adds debug info to the queue for output
7211 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}%
7212   {\def\@biditytfloat@float@debug@info{#1}}%
7213   {\g@addto@macro{\@biditytfloat@float@debug@info}{\MessageBreak#1}}%
7214 }
7215 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7216 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info}
7217 \newboolean{@biditytfloat@float@recto}
7218 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info}
7219 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info}
7220 \newsavebox{\@biditytfloat@figure@box}
7221 \newsavebox{\@biditytfloat@caption@box}
7222 \let\@biditytfloat@orig@float\float
7223 \let\@biditytfloat@orig@endfloat\endfloat
7224 \newlength{\@biditytfloat@caption@vertical@offset}
7225 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
7226 \newcommand{\@biditytfloat@stored@shortcaption}{}
7227 \newcommand{\@biditytfloat@stored@caption}{}
7228 \newcommand{\@biditytfloat@stored@label}{}
7229 \long\def\@biditytfloat@caption[#1][#2]#3{%
7230   \ifthenelse{\isempty{#1}}%
7231     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
7232     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
7233   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to 1
7234   \gdef\@biditytfloat@stored@caption{#3}%
7235 }
7236 \newcommand{\@biditytfloat@label}[1]{}%
7237 \gdef\@biditytfloat@stored@label{#1}%
7238 }
7239 \newcommand{\@biditytfloat@fps}{}
7240 \newboolean{@biditytfloat@float@star}
7241 \newlength{\@biditytfloat@float@contents@width}

```



```

7242 \newenvironment{@bidityfloat@float}[3][htbp]%
7243   {% begin @bidityfloat@float
7244     % Should this float be full-width or just text-width?
7245     \ifthenelse{equal{#3}{star}}%
7246       {\GlobalSetBoolean{@bidityfloat@float@star}{true}}%
7247       {\GlobalSetBoolean{@bidityfloat@float@star}{false}}%
7248     % Check page side (recto/verso) and store detected value -- can be overridden in environm
7249     \@bidityfloat@checkoddpag%
7250     \ifthenelse{boolean{@bidityfloat@oddpag}}%
7251       {\GlobalSetBoolean{@bidityfloat@float@recto}{true}\@bidityfloat@float@debug{Dete
7252       {\GlobalSetBoolean{@bidityfloat@float@recto}{false}\@bidityfloat@float@debug{Dete
7253     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
7254     \renewcommand{@bidityfloat@fps}{#1}%
7255     \@bidityfloat@float@debug{Allowed positions: [#1]}%
7256     \ifthenelse{equal{#1}{b}\OR\equal{#1}{B}}%
7257       {\renewcommand{\floatalignment}{b}\@bidityfloat@float@debug{Presumed position: [bot
7258       {\renewcommand{\floatalignment}{t}\@bidityfloat@float@debug{Presumed position: [top
7259     % Capture the contents of the \caption and \label commands to use later
7260     \global\let\@bidityfloat@orig@caption\caption%
7261     \global\let\@bidityfloat@orig@label\label%
7262     \renewcommand{caption}{\optparams{\@bidityfloat@caption}{[[] [Opt]}}%
7263     \renewcommand{label}[1]{\@bidityfloat@label{##1}}%
7264     % Handle subfigure package compatibility
7265     \ifthenelse{boolean{@bidityfloat@packages@subfigure}}{%
7266       \bidi@patchcmd{\subfigure}{%
7267         \let\subfig@oldlabel=\label
7268         }{%
7269         \let\subfig@oldlabel=\@bidityfloat@orig@label
7270         }
7271     {}
7272     {}
7273     \let\subtable=\subfigure
7274     }{}% subfigure package is not loaded
7275     \@bidityfloat@orig@float{#2}[#1]%
7276     \ifthenelse{boolean{@bidityfloat@float@star}}%
7277       {\setlength{@bidityfloat@float@contents@width}{\@bidityfloat@fullwidth}}%
7278       {\setlength{@bidityfloat@float@contents@width}{\textwidth}}%
7279     \begin{lrbox}{\@bidityfloat@figure@box}%
7280       \begin{minipage}{\floatalignment}{\@bidityfloat@float@contents@width}\hbox{}%
7281   }{} end @bidityfloat@float
7282     \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% a
7283     \end{minipage}%
7284     \end{lrbox}%
7285     % build the caption box
7286     \begin{lrbox}{\@bidityfloat@caption@box}%
7287       \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
7288         \ifthenelse{\NOT\equal{\@bidityfloat@stored@caption}{}}{\@bidityfloat@orig@cap
7289         \ifthenelse{\NOT\equal{\@bidityfloat@stored@label}{}}{\@bidityfloat@orig@label
7290         \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7291       \end{minipage}%
7292     \end{lrbox}%
7293     % now typeset the stored boxes
7294     \begin{fullwidth}%
7295     \begin{minipage}{\floatalignment}{\linewidth}%

```



```

7296     \ifthenelse{\boolean{@bidituftefloat@float@star}}%
7297         {\@bidituftefloat@float@fullwidth[\@bidituftefloat@caption@vertical@offset]{\@bidi
7298         {\@bidituftefloat@float@textwidth[\@bidituftefloat@caption@vertical@offset]{\@bidi
7299     \end{minipage}%
7300 \end{fullwidth}%
7301 \@bidituftefloat@orig@endfloat% end original LaTeX float environment
7302 % output debug info
7303 \ifthenelse{\boolean{@bidituftefloat@debug}}{%
7304     \typeout{^^J^^J----- biduntuftefloat package float information -----}%
7305     \ifthenelse{\equal{\@bidituftefloat@stored@label}{}}%
7306         {\typeout{Warning: Float unlabeled!}}%
7307         {\typeout{Float label: [\@bidituftefloat@stored@label]}}%
7308     \typeout{Page number: [\thepage]}%
7309     \def\MessageBreak{^^J}%
7310     \typeout{\@bidituftefloat@float@debug@info}%
7311     \ifthenelse{\boolean{@bidituftefloat@symmetric}}%
7312         {\typeout{Symmetric: [true]}}%
7313         {\typeout{Symmetric: [false]}}%
7314     \typeout{-----^^J^^J}%
7315 }{}%
7316 % reset commands and temp boxes and captions
7317 \gdef\@bidituftefloat@float@debug@info{}%
7318 \let\caption\@bidituftefloat@orig@caption%
7319 \let\label\@bidituftefloat@orig@label%
7320 \begin{lrbox}{\@bidituftefloat@figure@box}\hbox{}\end{lrbox}%
7321 \begin{lrbox}{\@bidituftefloat@caption@box}\hbox{}\end{lrbox}%
7322 \gdef\@bidituftefloat@stored@shortcaption{}%
7323 \gdef\@bidituftefloat@stored@caption{}%
7324 \gdef\@bidituftefloat@stored@label{}%
7325 \gsetlength{\@bidituftefloat@caption@vertical@offset}{0pt}% reset caption offset
7326 }
7327 \newcommand{\@bidituftefloat@float@textwidth}[3][Opt]{%
7328 \ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}\OR\boolean{@bidituftefloat@float@recto
7329 % asymmetric or page is odd, so caption is on the right
7330 \hbox{%
7331     \usebox{#2}%
7332     \hspace{\marginparsep}%
7333     \smash{\raisebox{#1}{\usebox{#3}}}}%
7334 }
7335 \@bidituftefloat@float@debug{Caption position: [right]}%
7336 }{% symmetric pages and page is even, so caption is on the left
7337 \hbox{%
7338     \smash{\raisebox{#1}{\usebox{#3}}}}%
7339     \hspace{\marginparsep}%
7340     \usebox{#2}%
7341 }
7342 \@bidituftefloat@float@debug{Caption position: [left]}%
7343 }%
7344 }
7345 \newcommand{\@bidituftefloat@float@fullwidth}[3][Opt]{%
7346 \ifthenelse{\equal{\floatalignment}{b}}%
7347     {% place caption above figure
7348     \ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}\OR\boolean{@bidituftefloat@float@r
7349         {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bidituftefloat@float@debug

```





```

7350     {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bituftefloat@float@debug
7351 }{% place caption below figure
7352 \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@
7353 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bituftefloat@float@debug
7354 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debug
7355 }%
7356 }
7357 \renewenvironment{figure}[1][htbp]%
7358 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
7359 {\end{@bituftefloat@float}}
7360 \renewenvironment{table}[1][htbp]
7361 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
7362 {\end{@bituftefloat@float}}
7363 \renewenvironment{figure*}[1][htbp]%
7364 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
7365 {\end{@bituftefloat@float}}
7366 \renewenvironment{table*}[1][htbp]%
7367 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
7368 {\end{@bituftefloat@float}}
7369 \newenvironment{fullwidth}
7370 {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
7371 {\ifthenelse{\boolean{@bituftefloat@changepage}}{\begin{adjustwidth*}{-}\@bituftef
7372 {\begin{adjustwidth}{-}\@bituftefloat@overhang}}}%
7373 }%
7374 {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
7375 {\ifthenelse{\boolean{@bituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}
7376 {\end{adjustwidth}}}%
7377 }
7378 \long\def\@caption#1[#2]#3{%
7379 \par%
7380 \addcontentsline{\csname ext@#1\endcsname}{#1}%
7381 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7382 \begingroup%
7383 \@parboxrestore%
7384 \if@minipage%
7385 \setminipage%
7386 \fi%
7387 \@bituftefloat@caption@font\@bituftefloat@caption@justification%
7388 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
7389 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
7390 \endgroup}
7391 %%
7392 % Turns newlines into spaces. Based on code from the `titlesec' package.
7393 \DeclareRobustCommand{\@bituftefloat@newlinetospace}{%
7394 \@ifstar{\@bituftefloat@newlinetospace@i}{\@bituftefloat@newlinetospace@i}%
7395 }
7396 \def\@bituftefloat@newlinetospace@i{%
7397 \ifdim\lastskip>\z@else\space\fi
7398 \ignorespaces%
7399 }
7400 \DeclareRobustCommand{\newlinetospace}[1]{%
7401 \let\@bituftefloat@orig@cr\\% save the original meaning of \\
7402 \def\\{\@bituftefloat@newlinetospace}% turn \\ and \\* into \space
7403 \let\newline\\% turn \newline into \space

```



```

7404 #1%
7405 \let\\\@biditytufteheading@orig@cr% revert to original meaning of \\
7406 }
7407 \RequirePackage{fancyhdr}
7408 \pagestyle{fancy}
7409 \AtBeginDocument{%
7410 \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
7411   {\fancyhfoffset[LE,RO]{\@biditytuftefloat@overhang}}
7412   {\fancyhfoffset[RE,RO]{\@biditytuftefloat@overhang}}
7413 }
7414 % The running heads/feet don't have rules
7415 \renewcommand{\headrulewidth}{0pt}
7416 \renewcommand{\footrulewidth}{0pt}
7417 % The 'fancy' page style is the default style for all pages.
7418 \fancyhf{} % clear header and footer fields
7419 \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
7420   {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7421   \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7422   {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7423 % The 'plain' page style is used on chapter opening pages.
7424 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7425 % bottom of pages -- the folios are unexpressed.
7426 \fancypagestyle{plain}{
7427 \fancyhf{} % clear header and footer fields
7428 % Uncomment the following five lines of code if you want the opening page
7429 % of the chapter to express the folio in the lower outside corner.
7430 % \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
7431 %   {\fancyfoot[LE,RO]{\thepage}}
7432 %   {\fancyfoot[RE,RO]{\thepage}}
7433 }
7434 % The 'empty' page style suppresses all headers and footers.
7435 % It's used on title pages and 'intentionally blank' pages.
7436 \fancypagestyle{empty}{
7437 \fancyhf{} % clear header and footer fields
7438 }
7439 \def\morefloats{% provides a total of 52 floats
7440 \ifthenelse{\isundefined{\bx@S}}{%
7441 \biditytuftefloatDebugInfoNL{Adding 34 more float slots.}
7442 \newinsert\bx@S
7443 \newinsert\bx@T
7444 \newinsert\bx@U
7445 \newinsert\bx@V
7446 \newinsert\bx@W
7447 \newinsert\bx@X
7448 \newinsert\bx@Y
7449 \newinsert\bx@Z
7450 \newinsert\bx@a
7451 \newinsert\bx@b
7452 \newinsert\bx@c
7453 \newinsert\bx@d
7454 \newinsert\bx@e
7455 \newinsert\bx@f
7456 \newinsert\bx@g
7457 \newinsert\bx@h

```



```

7458 \newinsert\bx@i
7459 \newinsert\bx@j
7460 \newinsert\bx@k
7461 \newinsert\bx@l
7462 \newinsert\bx@m
7463 \newinsert\bx@n
7464 \newinsert\bx@o
7465 \newinsert\bx@p
7466 \newinsert\bx@q
7467 \newinsert\bx@r
7468 \newinsert\bx@s
7469 \newinsert\bx@t
7470 \newinsert\bx@u
7471 \newinsert\bx@v
7472 \newinsert\bx@w
7473 \newinsert\bx@x
7474 \newinsert\bx@y
7475 \newinsert\bx@z
7476 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7477 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7478 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7479 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7480 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7481 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7482 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7483 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7484 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7485 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7486 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7487 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
7488 }-{% we've already added another 34 floats, so we'll add 26 more, but that's it!
7489 \ifthenelse{\isundefined{\bx@AA}}-{%
7490 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
7491 \newinsert\bx@AA
7492 \newinsert\bx@BB
7493 \newinsert\bx@CC
7494 \newinsert\bx@DD
7495 \newinsert\bx@EE
7496 \newinsert\bx@FF
7497 \newinsert\bx@GG
7498 \newinsert\bx@HH
7499 \newinsert\bx@II
7500 \newinsert\bx@JJ
7501 \newinsert\bx@KK
7502 \newinsert\bx@LL
7503 \newinsert\bx@MM
7504 \newinsert\bx@NN
7505 \newinsert\bx@OO
7506 \newinsert\bx@PP
7507 \newinsert\bx@QQ
7508 \newinsert\bx@RR
7509 \newinsert\bx@SS
7510 \newinsert\bx@TT
7511 \newinsert\bx@UU

```



```

7512 \newinsert\bx@VV
7513 \newinsert\bx@WW
7514 \newinsert\bx@XX
7515 \newinsert\bx@YY
7516 \newinsert\bx@ZZ
7517 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7518 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7519 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7520 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7521 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7522 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7523 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7524 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7525 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7526 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7527 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7528 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
7529 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
7530 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
7531 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
7532 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7533 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7534 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7535 }{%
7536 \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
7537 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space on
7538 }%
7539 }%
7540 }
7541 \newboolean{@biditytfloat@packages@subfigure}
7542 \setboolean{@biditytfloat@packages@subfigure}{false}
7543 \AtBeginDocument{%
7544 \@ifpackageloaded{subfigure}
7545 {GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
7546 {GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
7547 }
7548 \AtBeginDocument{%
7549 \@ifpackageloaded{float}{%
7550 % Save the redefined float environment (instead of the LaTeX float environment)
7551 \let\@biditytfloat@orig@float\@float
7552 \let\@biditytfloat@orig@endfloat\end@float
7553
7554 % Define Tuftian float styles (with the caption in the margin)
7555 \newcommand{\floatc@biditytfloatplain}[2]{%
7556 \begin{lrbox}{\@biditytfloat@caption@box}%
7557 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%}
7558 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
7559 \end{minipage}%
7560 \end{lrbox}%
7561 \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
7562 }
7563 \newcommand{\fs@biditytfloatplain}{%
7564 \def\@fs@cfont{\@biditytfloat@caption@font}%
7565 \let\@fs@capt\floatc@biditytfloatplain%

```



```

7566     \def\@fs@pre{ }%
7567     \def\@fs@post{ }%
7568     \def\@fs@mid{ }%
7569     \let\@fs@iftopcapt\iftrue%
7570 }
7571 \let\fs@bidituftefloatplaintop=\fs@bidituftefloatplain
7572 \let\floatc@bidituftefloatplaintop=\floatc@bidituftefloatplain
7573 \newcommand\floatc@bidituftefloatruled[2]{%
7574   {\@fs@cfont #1} #2\par%
7575 }
7576 \newcommand\fs@bidituftefloatruled{%
7577   \def\@fs@cfont{\@bidituftefloat@caption@font}%
7578   \let\@fs@capt\floatc@bidituftefloatplain%
7579   \def\@fs@pre{\hrule height .8pt depth0pt width\textwidth \kern2pt}%
7580   \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
7581   \def\@fs@mid{ }%
7582   \let\@fs@iftopcapt\iftrue%
7583 }
7584 \newcommand\fs@bidituftefloatboxed{%
7585   \def\@fs@cfont{ }%
7586   \let\@fs@capt\floatc@bidituftefloatplain%
7587   \def\@fs@pre{%
7588     \setbox\@currbox\vbox{\hbadness10000
7589     \moveleft3.4pt\vbox{\advance\hsize by6.8pt
7590     \hrule \hbox to\hsize{\vrule\kern3pt
7591     \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
7592   }%
7593   \def\@fs@mid{\kern2pt}%
7594   \def\@fs@post{ }%
7595   \let\@fs@iftopcapt\iftrue%
7596 }
7597 }{%
7598   % Nothing to do
7599 }
7600 }
7601 \AtBeginDocument{%
7602   \@ifpackageloaded{algorithm}{%
7603     % Set the float style to the Tufteian version
7604     \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\AL
7605     \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBrea
7606     \floatstyle{bidituftefloat\ALG@floatstyle}%
7607     \restylefloat{algorithm}%
7608   }{ }%
7609 }{%
7610   % Nothing to do
7611 }
7612 }
7613 \PassOptionsToPackage{caption=false}{subfig}

```

## 54 File bidituftesidenote.sty

```

7614 \NeedsTeXFormat{LaTeX2e}
7615 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
7616 bidi implementation of tufte sidenote]

```



```

7617 \RequirePackage{xifthen}
7618 \RequirePackage{ragged2e}
7619 \RequirePackage{setspace}
7620 \RequirePackage{bidiutils}
7621 \def\bidituftesidenotemarginpar{%
7622   \ifhmode
7623     \@bsphack
7624     \@floatpenalty -\@Mii
7625   \else
7626     \@floatpenalty-\@Miii
7627   \fi
7628   \ifinner
7629     \@parmoderr
7630     \@floatpenalty\z@
7631   \else
7632     \@next\@currbox\@freelist{}{}%
7633     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7634     {\@floatpenalty\z@
7635       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7636   \fi
7637   \@ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteypar}
7638 \long\def\@bidituftesidenotexmpar[#1]#2{%
7639   \@bidituftesidenotesavemarbox\@marbox{#1}%
7640   \@bidituftesidenotesavemarbox\@currbox{#2}%
7641   \@xympar}
7642 \long\def\@bidituftesidenoteypar#1{%
7643   \@bidituftesidenotesavemarbox\@marbox{#1}%
7644   \global\setbox\@currbox\copy\@marbox
7645   \@xympar}
7646 \long\def \@bidituftesidenotesavemarbox #1#2{%
7647   \global\setbox #1%
7648     \color@vbox
7649     \vtop{%
7650       \hsize\marginparwidth
7651       \@parboxrestore
7652       \@bidituftesidenotemarginparreset
7653       #2%
7654       \@minipagefalse
7655       \outer@nobreak
7656     }%
7657   \color@endbox
7658 }
7659 \def \@bidituftesidenotemarginparreset {%
7660   \reset@font
7661   \normalsize
7662   \@minipagetrue
7663   \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
7664 }
7665 \def\LTRbidituftesidenotemarginpar{%
7666   \ifhmode
7667     \@bsphack
7668     \@floatpenalty -\@Mii
7669   \else
7670     \@floatpenalty-\@Miii

```



```

7671 \fi
7672 \ifinner
7673   \@parmoderr
7674   \@floatpenalty\z@
7675 \else
7676   \@next\@currbox\@freelist{}{}%
7677   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7678   {\@floatpenalty\z@
7679     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7680 \fi
7681 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
7682 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
7683   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7684   \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
7685   \@xympar}
7686 \long\def\@LTRbidityftesidenoteympar#1{%
7687   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7688   \global\setbox\@currbox\copy\@marbox
7689   \@xympar}
7690 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
7691   \global\setbox #1%
7692     \color@vbox
7693     \vtop{%
7694       \hsize\marginparwidth
7695       \@parboxrestore
7696       \@LTRbidityftesidenotemarginparreset
7697       #2%
7698       \@minipagefalse
7699       \outer@nobreak
7700     }%
7701   \color@endbox
7702 }
7703 \def \@LTRbidityftesidenotemarginparreset {%
7704   \reset@font
7705   \normalsize
7706   \@minipagetrue
7707   \everypar{\@minipagefalse\everypar{}\beginL}%
7708 }
7709 \def\RTLbidityftesidenotemarginpar{%
7710   \ifhmode
7711     \bsphack
7712     \@floatpenalty -\@Mii
7713   \else
7714     \@floatpenalty-\@Miii
7715   \fi
7716   \ifinner
7717     \@parmoderr
7718     \@floatpenalty\z@
7719   \else
7720     \@next\@currbox\@freelist{}{}%
7721     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7722     {\@floatpenalty\z@
7723       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7724   \fi

```



```

7725 \@ifnextchar [\@RTLbidituftesidenotexmpar\@RTLbidituftesidenoteympar}
7726 \long\def\@RTLbidituftesidenotexmpar[#1]#2{%
7727 \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
7728 \@RTLbidituftesidenotesavemarbox\@currbox{#2}%
7729 \@xympar}
7730 \long\def\@RTLbidituftesidenoteympar#1{%
7731 \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
7732 \global\setbox\@currbox\copy\@marbox
7733 \@xympar}
7734 \long\def \@RTLbidituftesidenotesavemarbox #1#2{%
7735 \global\setbox #1%
7736 \color@vbox
7737 \vtop{%
7738 \hsize\marginparwidth
7739 \@parboxrestore
7740 \@RTLbidituftesidenotemarginparreset
7741 #2%
7742 \@minipagefalse
7743 \outer@nobreak
7744 }%
7745 \color@endbox
7746 }
7747 \def \@RTLbidituftesidenotemarginparreset {%
7748 \reset@font
7749 \normalsize
7750 \@minipagetrue
7751 \everypar{\@minipagefalse\everypar{}}\beginR}%
7752 }
7753 \newcommand*\@bidituftesidenote@marginfont{\normalfont\footnotesize}
7754 \newcommand*\@bidituftesidenote@LTRmarginfont{\normalfont\footnotesize}
7755 \newcommand*\@bidituftesidenote@RTLmarginfont{\normalfont\footnotesize}
7756 \newcommand*\@bidituftesidenote@sidenote@font{\@bidituftesidenote@marginfont}
7757 \newcommand*\@bidituftesidenote@LTRsidenote@font{\@bidituftesidenote@LTRmarginfont}
7758 \newcommand*\@bidituftesidenote@RTLSidenote@font{\@bidituftesidenote@RTLmarginfont}
7759 \newcommand*\@bidituftesidenote@marginnote@font{\@bidituftesidenote@marginfont}
7760 \newcommand*\@bidituftesidenote@LTRmarginnote@font{\@bidituftesidenote@LTRmarginfont}
7761 \newcommand*\@bidituftesidenote@RTLmarginnote@font{\@bidituftesidenote@RTLmarginfont}
7762 \newcommand*\@bidituftesidenote@citation@font{\@bidituftesidenote@marginfont}
7763 \newcommand*\@bidituftesidenote@LTRcitation@font{\@bidituftesidenote@LTRmarginfont}
7764 \newcommand*\@bidituftesidenote@RTLcitation@font{\@bidituftesidenote@RTLmarginfont}
7765 \newcommand*\@setsidenotefont}[1]{\renewcommand*\@bidituftesidenote@sidenote@font}{#1}}
7766 \newcommand*\@setLTRsidenotefont}[1]{\renewcommand*\@bidituftesidenote@LTRsidenote@font}{#1}}
7767 \newcommand*\@setRTLSidenotefont}[1]{\renewcommand*\@bidituftesidenote@RTLSidenote@font}{#1}}
7768 \newcommand*\@setmarginnotefont}[1]{\renewcommand*\@bidituftesidenote@marginnote@font}{#1}}
7769 \newcommand*\@setLTRmarginnotefont}[1]{\renewcommand*\@bidituftesidenote@LTRmarginnote@font}{#1}}
7770 \newcommand*\@setRTLmarginnotefont}[1]{\renewcommand*\@bidituftesidenote@RTLmarginnote@font}{#1}}
7771 \newcommand*\@setcitationfont}[1]{\renewcommand*\@bidituftesidenote@citation@font}{#1}}
7772 \newcommand*\@setLTRcitationfont}[1]{\renewcommand*\@bidituftesidenote@LTRcitation@font}{#1}}
7773 \newcommand*\@setRTLcitationfont}[1]{\renewcommand*\@bidituftesidenote@RTLcitation@font}{#1}}
7774 \newcommand*\@bidituftesidenote@sidenote@justification{\@bidituftesidenote@justification@font}
7775 \newcommand*\@bidituftesidenote@marginnote@justification{\@bidituftesidenote@justification@font}
7776 \newcommand*\@bidituftesidenote@citation@justification{\@bidituftesidenote@justification@font}
7777 \newcommand*\@bidituftesidenote@justification@autodetect{\@justifying}%
7778 \newcommand{\@bidituftesidenote@margin@par}{%

```





```

7779 \setlength{\RaggedRightParindent}{0.5pc}%
7780 \setlength{\JustifyingParindent}{0.5pc}%
7781 \setlength{\parindent}{0.5pc}%
7782 \setlength{\parskip}{Opt}%
7783 }
7784 %%
7785 % Globally sets the length
7786 \@ifundefined{gsetlength}{%
7787 \newcommand*{\gsetlength}[2]{%
7788 \setlength{#1}{#2}%
7789 \global#1=#1\relax%
7790 }%
7791 }{}
7792
7793 %%
7794 % A function that removes leading and trailing spaces from the supplied macro.
7795 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
7796 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
7797 % being trimmed of leading and trailing white space.
7798 \catcode\Q=3
7799 \def\@bidityftesidenote@trim@spaces#1{%
7800 % Use grouping to emulate a multi-token afterassignment queue
7801 \begingroup%
7802 % Put \toks 0 {' into the afterassignment queue
7803 \aftergroup\toks\aftergroup0\aftergroup{%
7804 % Apply \trimb to the replacement text of #1, adding a leading
7805 % \noexpand to prevent brace stripping and to serve another purpose
7806 % later.
7807 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
7808 % Transfer the trimmed text back into #1.
7809 \edef#1{\the\toks0}%
7810 }
7811 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
7812 % clean up any leftover bizarre Qs, and trim a leading space. In
7813 % order for \trimc to work properly we need to put back a Q first.
7814 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
7815 % Execute \vfuzz assignment to remove leading space; the \noexpand
7816 % will now prevent unwanted expansion of a macro or other expandable
7817 % token at the beginning of the trimmed text. The \endgroup will feed
7818 % in the \aftergroup tokens after the \vfuzz assignment is completed.
7819 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
7820 \catcode\Q=11
7821 %%
7822 % Citations should go in the margin as sidenotes
7823
7824 \RequirePackage{natbib}
7825 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
7826 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
7827 \renewcommand\BR@b@bibitem[2] []{%
7828 \ifthenelse{\isempty{#1}}%
7829 {\BR@bibitem{#2}}%
7830 {\BR@bibitem[#1]{#2}}%
7831 \BR@c@bibitem{#2}%
7832 }

```



```

7833 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
7834 %%
7835 % Normal \cite behavior
7836 \newcounter{@bidityftesidenote@num@bibkeys}%
7837 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
7838 % Snag the last bibentry in the list for later comparison
7839 \let\@temp@last@bibkey\@empty%
7840 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
7841 \sidenote[][#1]{%
7842 % Loop through all the bibentries, separating them with semicolons and spaces
7843 \normalsize\normalfont\@bidityftesidenote@citation@font%
7844 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
7845 \@for\@temp@bibkeyx:=#2\do{%
7846 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
7847 {\ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
7848 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7849 \bibentry{\@temp@bibkeyx}}%
7850 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7851 \bibentry{\@temp@bibkeyx};\ }%
7852 \stepcounter{@bidityftesidenote@num@bibkeys}%
7853 }%
7854 }%
7855 }
7856 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
7857 % Snag the last bibentry in the list for later comparison
7858 \let\@temp@last@bibkey\@empty%
7859 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
7860 \LTRsidenote[][#1]{%
7861 % Loop through all the bibentries, separating them with semicolons and spaces
7862 \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
7863 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
7864 \@for\@temp@bibkeyx:=#2\do{%
7865 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
7866 {\ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
7867 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7868 \bibentry{\@temp@bibkeyx}}%
7869 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7870 \bibentry{\@temp@bibkeyx};\ }%
7871 \stepcounter{@bidityftesidenote@num@bibkeys}%
7872 }%
7873 }%
7874 }
7875 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
7876 % Snag the last bibentry in the list for later comparison
7877 \let\@temp@last@bibkey\@empty%
7878 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
7879 \RTLsidenote[][#1]{%
7880 % Loop through all the bibentries, separating them with semicolons and spaces
7881 \normalsize\normalfont\@bidityftesidenote@citation@font%
7882 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
7883 \@for\@temp@bibkeyx:=#2\do{%
7884 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
7885 {\ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
7886 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

7887         \bibentry{\@temp@bibkeyx}}%
7888         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7889         \bibentry{\@temp@bibkeyx};\ }%
7890         \stepcounter{@bidityftesidenote@num@bibkeys}%
7891     }%
7892 }%
7893 }
7894 %%
7895 % Macros for holding the list of cite keys until after the \sidenote
7896 \gdef\@bidityftesidenote@citations{}% list of cite keys
7897 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
7898 \ifx\@bidityftesidenote@citations\@empty\else
7899 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
7900 \fi
7901 \g@addto@macro\@bidityftesidenote@citations{#1}
7902 }
7903 \newcommand{\@bidityftesidenote@print@citations}[1][0pt]{% puts the citations in a margin no
7904 % Snag the last bibentry in the list for later comparison
7905 \let\@temp@last@bibkey\@empty%
7906 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
7907 \marginpar{%
7908 \hbox{} \vspace*{#1}%
7909 \@bidityftesidenote@citation@font%
7910 \@bidityftesidenote@citation@justification%
7911 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
7912 \vspace*{-1\baselineskip}%
7913 % Loop through all the bibentries, separating them with semicolons and spaces
7914 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
7915 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
7916 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
7917 {\ifthenelse{\equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
7918 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7919 \bibentry{\@temp@bibkeyx}}%
7920 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7921 \bibentry{\@temp@bibkeyx};\ }%
7922 \stepcounter{@bidityftesidenote@num@bibkeys}%
7923 }%
7924 }%
7925 }
7926 %%
7927 % \cite behavior when executed within a sidenote
7928 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
7929 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
7930 \@bidityftesidenote@add@citation{#1}
7931 }
7932 %%
7933 % Set the default \cite style. This is set and reset by the \sidenote command.
7934 \let\cite\@bidityftesidenote@normal@cite
7935 \let\LTRcite\@bidityftelTRSidenote@normal@cite
7936 \let\RTLcite\@bidityfteRTLsidenote@normal@cite
7937 %%
7938 % Transform existing \footnotes into \sidenotes
7939 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
7940 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional argu

```



```

7941 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
7942 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
7943 % Override footmisc's definition to set the sidenote marks (numbers) inside the
7944 % sidenote's text block.
7945 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@sidenote@font}
7946 % Set the in-text footnote mark in the same typeface as the body text itself.
7947 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotemark}}
7948 \providecommand*\multiplefootnotemarker}{3sp}
7949 \providecommand*\multfootsep}{,}
7950 \bidi@patch@AfterPackage{bidi}{%
7951 \renewcommand{\@footnotemark}{%
7952 \leavevmode%
7953 \ifhmode%
7954 \edef\@x@sf{\the\spacefactor}%
7955 \@bidityftesidenote@check@multiple@sidenotes%
7956 \nobreak%
7957 \fi%
7958 \@makefnmark%
7959 \ifhmode\spacefactor\@x@sf\fi%
7960 \relax%
7961 }%
7962 }
7963 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
7964 \ifdim\lastkern=\multiplefootnotemarker\relax%
7965 \edef\@x@sf{\the\spacefactor}%
7966 \unkern%
7967 \textsuperscript{\multfootsep}%
7968 \spacefactor\@x@sf\relax%
7969 \fi
7970 }
7971 \bidi@patch@AfterPackage{bidi}{%
7972 \renewcommand\@footnotetext[2][Opt]{%
7973 \bidityftesidenotemarginpar{%
7974 \hbox{\vspace*{#1}}%
7975 \def\baselinestretch {\setspace@singlespace}%
7976 \reset@font%
7977 \bidi@fontnotetext@font% \reset@font\footnotesize%
7978 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
7979 \vspace*{-1\baselineskip}\noindent%
7980 \protected@edef\@currentlabel{%
7981 \csname p@footnote\endcsname\@thefnmark%
7982 }%
7983 \color@begingroup%
7984 \@makefnmark%
7985 \ignorespaces#2%
7986 }%
7987 \color@endgroup%
7988 }%
7989 }%
7990 \renewcommand\@LTRfootnotetext[2][Opt]{%
7991 \LTRbidityftesidenotemarginpar{%
7992 \hbox{\vspace*{#1}}%
7993 \def\baselinestretch {\setspace@singlespace}%
7994 \reset@font%

```



```

7995 \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
7996 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
7997 \vspace*{-1\baselineskip}\noindent%
7998 \protected@edef\@currentlabel{%
7999 \csname p@footnote\endcsname\@thefnmark%
8000 }%
8001 \color@begingroup%
8002 \makefnintext{%
8003 \ignorespaces#2%
8004 }%
8005 \color@endgroup%
8006 }%
8007 }%
8008 \renewcommand\@RTLfootnotetext[2][Opt]{%
8009 \RTLbidityftesidenotemarginpar{%
8010 \hbox{\vspace*{#1}%
8011 \def\baselinestretch {\setspace@singlespace}%
8012 \reset@font%
8013 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
8014 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8015 \vspace*{-1\baselineskip}\noindent%
8016 \protected@edef\@currentlabel{%
8017 \csname p@footnote\endcsname\@thefnmark%
8018 }%
8019 \color@begingroup%
8020 \makefnintext{%
8021 \ignorespaces#2%
8022 }%
8023 \color@endgroup%
8024 }%
8025 }%
8026 }
8027 %
8028 % Define \sidenote command. Can handle \cite.
8029 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
8030 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
8031 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
8032 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
8033 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8034 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8035 \ifthenelse{\NOT\isempty{#2}}{%
8036 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8037 }{%
8038 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8039 }%
8040 \ifthenelse{\isempty{#1}}{%
8041 % no specific footnote number provided
8042 \stepcounter\@mpfn%
8043 \protected@xdef\@thefnmark{\thempfn}%
8044 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8045 }{%
8046 % specific footnote number provided
8047 \begingroup%
8048 \csname c@\@mpfn\endcsname #1\relax%

```



```

8049     \unrestored@protected@xdef\@thefnmark{\thempfn}%
8050     \endgroup%
8051     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8052 }%
8053 \@bidityftesidenote@print@citations%           print any citations
8054 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
8055 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8056 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8057 \unskip\ignorespaces%                          remove extra white space
8058 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
8059 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8060 }
8061 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
8062 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8063 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
8064 \ifthenelse{\NOT\isempty{#2}}{%
8065   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8066 }{%
8067   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8068 }%
8069 \ifthenelse{\isempty{#1}}{%
8070   % no specific footnote number provided
8071   \stepcounter\@mpfn%
8072   \protected@xdef\@thefnmark{\thempfn}%
8073   \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8074 }{%
8075   % specific footnote number provided
8076   \begingroup%
8077   \csname c@\@mpfn\endcsname #1\relax%
8078   \unrestored@protected@xdef\@thefnmark{\thempfn}%
8079   \endgroup%
8080   \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8081 }%
8082 \@bidityftesidenote@print@citations%           print any citations
8083 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
8084 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8085 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8086 \unskip\ignorespaces%                          remove extra white space
8087 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
8088 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8089 }
8090 \long\def\@RTLBidityftesidenote@sidenote[#1][#2]#3{%
8091 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8092 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
8093 \ifthenelse{\NOT\isempty{#2}}{%
8094   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8095 }{%
8096   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8097 }%
8098 \ifthenelse{\isempty{#1}}{%
8099   % no specific footnote number provided
8100   \stepcounter\@mpfn%
8101   \protected@xdef\@thefnmark{\thempfn}%
8102   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%

```



```

8103 }{%
8104   % specific footnote number provided
8105   \beginngroup%
8106     \csname c@\@mpfn\endcsname #1\relax%
8107     \unrestored@protected@xdef\@thefnmark{\thempfn}%
8108   \endgroup%
8109   \@footnotemark\@RTLfootnotetext [\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8110 }%
8111 \@bidityftesidenote@print@citations%           print any citations
8112 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
8113 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8114 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8115 \unskip\ignorespaces%                          remove extra white space
8116 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
8117 \kern\multiplefootnotemarker\relax%            add new \kern here to replace the one we yanked
8118 }
8119 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
8120 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
8121 \newcommand{\RTLSidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
8122 \bidi@patch@AfterPackage{bidi}{%
8123 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
8124 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
8125 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
8126 }
8127 %%
8128 % Sidenote without the footnote mark
8129 \newcommand\marginnote[2] [Opt]{%
8130 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8131 \gdef\@bidityftesidenote@citations{}%        clear out any old citations
8132 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidity
8133 \@bidityftesidenote@print@citations%         print any citations
8134 \let\cite\@bidityftesidenote@normal@cite%     go back to using normal in-text \cite comm
8135 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8136 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8137 }
8138 \newcommand\LTRmarginnote [2] [Opt]{%
8139 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8140 \gdef\@bidityftesidenote@citations{}%        clear out any old citations
8141 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@
8142 \@bidityftesidenote@print@citations%         print any citations
8143 \let\cite\@bidityftesidenote@normal@cite%     go back to using normal in-text \cite comm
8144 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8145 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8146 }
8147 \newcommand\RTLMarginnote [2] [Opt]{%
8148 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8149 \gdef\@bidityftesidenote@citations{}%        clear out any old citations
8150 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLMarginnote@font\@
8151 \@bidityftesidenote@print@citations%         print any citations
8152 \let\cite\@bidityftesidenote@normal@cite%     go back to using normal in-text \cite comm
8153 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8154 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8155 }

```





## 55 File `bidituftetoc.sty`

```
8156 \NeedsTeXFormat{LaTeX2e}
8157 \ProvidesPackage{bidituftetoc}[2011/06/17 v0.1
8158 bidi implementation of tufte toc]
8159 \RequirePackage{titlesec,titletoc,xifthen,biditools}
8160 \newcommand{\@bidituftetoc@pkgname}{bidituftetoc}
8161 \newcommand{\bidituftetocError}[2]{\PackageError{\@bidituftetoc@pkgname}{#1}{#2}}
8162 %%
8163 % Turn off section numbering
8164 \setcounter{secnumdepth}{-1}
8165 \newboolean{@bidituftetoc@toc}
8166 \setboolean{@bidituftetoc@toc}{true}
8167 \DeclareOption{notoc}{\setboolean{@bidituftetoc@toc}{false}}
8168 \DeclareOption{toc}{\setboolean{@bidituftetoc@toc}{true}}
8169 \ProcessOptions
8170 %%
8171 % Make Tufatian-style section headings and TOC formatting
8172 \bidi@patch@AfterPackage{bidi}{%
8173 \titleformat{\chapter}%
8174 [display]% shape
8175 {\relax\ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}{\begin{fullwidth}}{}}% format
8176 {\itshape\huge\thechapter}% label
8177 {0pt}% horizontal separation between label and title body
8178 {\huge\rmfamily\itshape}% before the title body
8179 [\ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}{\end{fullwidth}}{}}% after the title
8180 \titleformat{\section}%
8181 [hang]% shape
8182 {\normalfont\Large\itshape}% format applied to label+text
8183 {\thesection}% label
8184 {1em}% horizontal separation between label and title body
8185 {}% before the title body
8186 []% after the title body
8187 \titleformat{\subsection}%
8188 [hang]% shape
8189 {\normalfont\large\itshape}% format applied to label+text
8190 {\thesubsection}% label
8191 {1em}% horizontal separation between label and title body
8192 {}% before the title body
8193 []% after the title body
8194 \titleformat{\paragraph}%
8195 [runin]% shape
8196 {\normalfont\itshape}% format applied to label+text
8197 {\theparagraph}% label
8198 {1em}% horizontal separation between label and title body
8199 {}% before the title body
8200 []% after the title body
8201 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
8202 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8203 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
8204 }
8205 % Subsubsection and following section headings shouldn't be used.
8206 % See Bringhurst's The Elements of Typography, section 4.2.2.
8207 \renewcommand\subsubsection{%
```





```

8208 \biditytetocError{\noexpand\subsubsection is undefined by this class.%
8209 \MessageBreak See Robert Bringhurst's _The Elements of
8210 \MessageBreak Typographic Style_, section 4.2.2.
8211 \MessageBreak \noexpand\subsubsection was used}
8212 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8213 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8214 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8215 }
8216 \renewcommand\subparagraph{%
8217 \biditytetocError{\noexpand\subparagraph is undefined by this class.%
8218 \MessageBreak See Robert Bringhurst's _The Elements of
8219 \MessageBreak Typographic Style_, section 4.2.2.
8220 \MessageBreak \noexpand\subparagraph was used}
8221 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8222 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8223 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8224 }
8225 % Formatting for main TOC (printed in front matter)
8226 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8227 \ifthenelse{\boolean{@biditytetoc@toc}}{%
8228 \bidity@patch@AfterPackage{bidi}}{%
8229 \titlecontents{part}% FIXME
8230 [0em] % distance from left margin
8231 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8232 {\contentslabel{2em}} % before w/label (label = ``II'')
8233 {} % before w/o label
8234 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8235 [\end{fullwidth}] % after
8236 \titlecontents{chapter}%
8237 [0em] % distance from left margin
8238 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8239 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8240 {\hspace*{0em}} % before w/o label
8241 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8242 [\end{fullwidth}] % after
8243 \titlecontents{section}% FIXME
8244 [0em] % distance from left margin
8245 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
8246 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8247 {\hspace*{2em}} % before w/o label
8248 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8249 [\end{fullwidth}] % after
8250 \titlecontents{subsection}% FIXME
8251 [0em] % distance from left margin
8252 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
8253 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8254 {\hspace*{4em}} % before w/o label
8255 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8256 [\end{fullwidth}] % after
8257 \titlecontents{paragraph}% FIXME
8258 [0em] % distance from left margin
8259 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
8260 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8261 {\hspace*{6em}} % before w/o label

```



```

8262     {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
8263     [\end{fullwidth}] % after
8264 }%
8265 }{}
8266 %%
8267 % Format lists of figures/tables
8268 \renewcommand\listoffigures{%
8269   \@ifundefined{chapter}%
8270     {\section*{\listfigurename}}%
8271     {\chapter*{\listfigurename}}%
8272 % \begin{fullwidth}%
8273   \@starttoc{lof}%
8274 % \end{fullwidth}%
8275 }
8276 \renewcommand\listoftables{%
8277   \@ifundefined{chapter}%
8278     {\section*{\listtablename}}%
8279     {\chapter*{\listtablename}}%
8280 % \begin{fullwidth}%
8281   \@starttoc{lot}%
8282 % \end{fullwidth}%
8283 }
8284 \newcommand{\@biditytetoc@lof@line}[2]{%
8285   % #1 is the figure/table number and its caption text
8286   % #2 is the page number on which the figure/table appears
8287   \leftskip 0.0em
8288   \rightskip 0em
8289   \parfillskip 0em plus 1fil
8290   \parindent 0.0em
8291   \@afterindenttrue
8292   \interlinepenalty\@M
8293   \leavevmode
8294   \@tempdima 2.0em
8295   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8296   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
8297   {#1}\nobreak\qquad\nobreak#2%
8298   \par%
8299 }
8300 \renewcommand*\l@figure{\@biditytetoc@lof@line}
8301 \let\l@table\l@figure

```

## 56 File `bidituftegeneralstructure.sty`

```

8302 \NeedsTeXFormat{LaTeX2e}
8303 \ProvidesPackage{bidituftegeneralstructure}[2011/06/18 v0.1
8304 bidi implementation of tufte general structure]
8305 \renewcommand\small{%
8306   \@setfontsize\small\@ixpt{12}%
8307   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8308   \abovedisplayshortskip \z@ \@plus2\p@
8309   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
8310   \def\@listi{\leftmargin\leftmargini
8311     \topsep 4\p@ \@plus2\p@ \@minus2\p@
8312     \parsep 2\p@ \@plus\p@ \@minus\p@

```



```

8313         \itemsep \parsep}%
8314     \belowdisplayskip \abovedisplayskip
8315 }
8316 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
8317 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vipt}
8318 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8319 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
8320 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
8321 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8322 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8323 \setlength\leftmargini    {1pc}
8324 \setlength\leftmarginii   {1pc}
8325 \setlength\leftmarginiii  {1pc}
8326 \setlength\leftmarginiv   {1pc}
8327 \setlength\leftmarginv    {1pc}
8328 \setlength\leftmarginvi   {1pc}
8329 \setlength\labelsep       {.5pc}
8330 \setlength\labelwidth      {\leftmargini}
8331 \addtolength\labelwidth{-\labelsep}
8332 \setlength{\parindent}{1.0pc}%
8333 \setlength{\parskip}{0pt}%
8334 \RequirePackage{ragged2e}
8335 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
8336 % Paragraph indentation and separation for normal text
8337 \newcommand{\@bidiuftegeneralstructure@reset@par}{%
8338   \setlength{\RaggedRightParindent}{1.0pc}%
8339   \setlength{\JustifyingParindent}{1.0pc}%
8340   \setlength{\parindent}{1pc}%
8341   \setlength{\parskip}{0pt}%
8342 }
8343 \@bidiuftegeneralstructure@reset@par
8344 % Require paralist package for tighter lists
8345 \RequirePackage{paralist}
8346 % Add rightmargin to compactenum
8347 \def\@compactenum@{%
8348   \expandafter\list\csname label\@enumctr\endcsname{%
8349     \usecounter{\@enumctr}}%
8350   \rightmargin=2em% added this
8351   \parsep\plparsep
8352   \itemsep\plitemsep
8353   \topsep\pltopsep
8354   \partopsep\plpartopsep
8355   \def\makelabel##1{\hss\llap{##1}}}}
8356 %%
8357 % An environment for paragraph-style section
8358 \providecommand\newthought[1]{%
8359   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8360   \noindent\textbf{#1}%
8361 }
8362 %%
8363 % Redefine the display environments (quote, quotation, etc.)
8364 \renewenvironment{verse}
8365     {\let\\\@centercr
8366     \list{}{\itemsep \z@

```



```

8367             \itemindent -1pc%
8368             \listparindent\itemindent
8369             \rightmargin \leftmargin
8370             \advance\leftmargin 1pc}%
8371         \small%
8372         \item\relax}
8373     {\endlist}
8374 \renewenvironment{quotation}
8375     {\list{}{\listparindent 1pc%
8376             \itemindent \listparindent
8377             \rightmargin \leftmargin
8378             \parsep \z@ \@plus\p@}%
8379     \small%
8380     \item\relax\noindent\ignorespaces}
8381     {\endlist}
8382 \renewenvironment{quote}
8383     {\list{}{\rightmargin\leftmargin}%
8384     \small%
8385     \item\relax}
8386     {\endlist}
8387 % Italicize description run-in headings (instead of the default bold)
8388 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
8389 %%
8390 % Redefine \bibsection to not mark the running heads.
8391 % (Code modified from natbib.sty.)
8392 \ifundefined{chapter}%
8393     {\renewcommand\bibsection{\section*{\refname}}}
8394     {\@ifundefined{NAT@sectionbib}%
8395     {\renewcommand\bibsection{\chapter{\bibname}}}
8396     {\renewcommand\bibsection{\section*{\bibname}}}}
8397 \RequirePackage{multicol}
8398 \renewenvironment{theindex}{%
8399 \@ifundefined{chapter}%
8400     {\section*{\indexname}}%
8401     {\chapter{\indexname}}%
8402 \begin{fullwidth}%
8403 \small%
8404 \parskip0pt%
8405 \parindent0pt%
8406 \let\item\@idxitem%
8407 \begin{multicols}{3}%
8408 }{%
8409 \end{multicols}%
8410 \end{fullwidth}%
8411 }
8412 \AtBeginDocument{%
8413 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8414 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8415 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}
8416 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8417 \newcommand{\lettergroup}[1]{% swallow the letter heading in the index

```

## 57 File `bidituftehyperref.sty`



```

8418 \NeedsTeXFormat{LaTeX2e}
8419 \ProvidesPackage{biditytfehyperref}[2011/06/18 v0.1
8420 bidi implementation of tufte hyperref]
8421 %%
8422 % Color
8423 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8424 \newboolean{@biditytfehyperref@loadhyper}
8425 \setboolean{@biditytfehyperref@loadhyper}{true}
8426 \DeclareOption{hyper}{\setboolean{@biditytfehyperref@loadhyper}{true}}
8427 \DeclareOption{nohyper}{\setboolean{@biditytfehyperref@loadhyper}{false}}
8428 \ProcessOptions
8429 %% Loads the hyperref package and sets some default options.
8430 \newcommand{\biditytfehyperrefLoadHyperref}{%
8431 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
8432 \hypersetup{%
8433     bookmarksdepth = section,
8434     citecolor = DarkGreen,
8435     linkcolor = DarkBlue,
8436 %     pagecolor = DarkBlue,
8437     urlcolor = DarkGreen,
8438 }%
8439 }
8440 \ifthenelse{\boolean{@biditytfehyperref@loadhyper}}{%
8441 \biditytfehyperrefLoadHyperref%
8442 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
8443 \PassOptionsToPackage[hyperfootnotes=false]{hyperref}
8444 }

```

## 58 File biditytftetitle.sty

```

8445 \NeedsTeXFormat{LaTeX2e}
8446 \ProvidesPackage{biditytftetitle}[2011/06/18 v0.1
8447 bidi implementation of tufte title]
8448 \RequirePackage{biditytools}
8449 %%
8450 % `titlepage' option -- creates a full title page with \maketitle
8451 \newboolean{@biditytftetitle@titlepage}
8452 \DeclareOption{titlepage}{\setboolean{@biditytftetitle@titlepage}{true}}
8453 \DeclareOption{notitlepage}{\setboolean{@biditytftetitle@titlepage}{false}}
8454 % Default `book' and `handout' options
8455 \@ifclassloaded{book}{%
8456 \ExecuteOptions{titlepage}}{%
8457 \@ifclassloaded{article}{%
8458 \ExecuteOptions{notitlepage}}%
8459 {}}
8460 \ProcessOptions
8461 %%
8462 % Modified \title, \author, and \date commands. These store the
8463 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8464 \newcommand{\plaintitle}{}% plain-text-only title
8465 \newcommand{\plainauthor}{}% plain-text-only author
8466 \newcommand{\plainpublisher}{}% plain-text-only publisher
8467 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8468 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}

```



```

8469 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8470 \newcommand{@publisher}{}% full publisher with \thanks{}
8471 \newcommand{\thedata}{\today}
8472 \bidi@patch@AfterPackage{bidi}{%
8473 \renewcommand{\thanks}[1]{\footnote{#1}}
8474 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8475 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8476 }
8477 \renewcommand{\title}[2][]{%
8478 \gdef\@title{#2}%
8479 \begingroup%
8480 % TODO store contents of \thanks command
8481 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8482 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8483 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8484 \protected@xdef\thanklesstitle{#2}%
8485 \endgroup%
8486 \ifthenelse{\isempty{#1}}%
8487 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8488 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
8489 \@ifundefined{hypersetup}%
8490 {}% hyperref is not loaded; do nothing
8491 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8492 }
8493 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
8494 \renewcommand{\author}[2][]{%
8495 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
8496 \begingroup%
8497 % TODO store contents of \thanks command
8498 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8499 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8500 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8501 \protected@xdef\thanklessauthor{#2}%
8502 \endgroup%
8503 \ifthenelse{\isempty{#1}}%
8504 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8505 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
8506 \@ifundefined{hypersetup}%
8507 {}% hyperref is not loaded; do nothing
8508 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8509 }
8510 \renewcommand{\date}[1]{%
8511 \gdef\@date{#1}%
8512 \begingroup%
8513 % TODO store contents of \thanks command
8514 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8515 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8516 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8517 \protected@xdef\thedata{#1}%
8518 \endgroup%
8519 }
8520 %%
8521 % Provides a \publisher command to set the publisher
8522 \newcommand{\publisher}[2][]{%

```



```

8523 \gdef\@publisher{#2}%
8524 \begingroup%
8525   \renewcommand{\thanks}[1]{}% swallow \thanks contents
8526   \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8527   \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8528   \protected@xdef\thanklesspublisher{#2}%
8529 \endgroup%
8530 \ifthenelse{\isempty{#1}}
8531   {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8532   {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8533 }
8534 %%
8535 % Produces a full title page
8536 \newcommand{\maketitlepage}[0]{%
8537   \cleardoublepage%
8538   {%
8539     \bfseries%
8540     \begin{fullwidth}%
8541       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8542       \vspace{11.5pc}%
8543       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8544       \vfill%
8545       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8546     \end{fullwidth}%
8547   }
8548   \thispagestyle{empty}%
8549   \clearpage%
8550 }
8551 %%
8552 % Title block
8553 \bidi@AfterEndPreamble{%
8554 \renewcommand{\maketitle}{%
8555   \newpage%
8556   \global\@topnum\z@% prevent floats from being placed at the top of the page
8557   \begingroup%
8558     \setlength{\parindent}{0pt}%
8559     \setlength{\parskip}{4pt}%
8560     \let\@title\@empty%
8561     \let\@author\@empty%
8562     \let\@date\@empty%
8563     \gdef\@title{\LARGE\itshape\@title\par}%
8564     \gdef\@author{\Large\itshape\@author\par}%
8565     \gdef\@date{\Large\itshape\@date\par}%
8566     \@title%
8567     \@author%
8568     \@date%
8569   \endgroup%
8570   \thispagestyle{plain}% suppress the running head
8571 }%
8572 }
8573 %%
8574 % Title page (if the `titlepage' option was passed to the bdituftetitle-handout
8575 % class.)
8576 \bidi@AfterEndPreamble{%

```



```

8577 \ifthenelse{\boolean{@biditytetitle@titlepage}}
8578   {\renewcommand{\maketitle}{\maketitlepage}}
8579   {}
8580 }
8581 %%
8582 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8583 % without headers and footers
8584 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8585   \hbox{}
8586   %\vspace*{\fill}
8587   %\begin{center}
8588   % This page intentionally contains only this sentence.
8589   %\end{center}
8590   %\vspace{\fill}
8591   \thispagestyle{empty}
8592   \newpage
8593   \if@twocolumn\hbox{} \newpage \fi \fi \fi}

```

## 59 File `biditufte-handout.cls`

```

8594 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8595 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
8596 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8597 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
8598 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
8599 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
8600 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
8601 \ProcessOptions\relax
8602 \LoadClass{article}
8603 \RequirePackage{bidituftefloat}
8604 \RequirePackage{bidituftesidenote}
8605 \RequirePackage{bidituftetoc}
8606 \RequirePackage{bidituftegeneralstructure}
8607 \RequirePackage{bidituftehyperref}
8608 \RequirePackage{bidituftetitle}
8609 \renewenvironment{abstract}
8610   {\begin{quotation}}
8611   {\end{quotation}}
8612 \AtBeginDocument{%
8613 \IfFileExists{biditufte-handout.cfg}
8614   {\input{biditufte-handout.cfg}
8615     \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
8616   }%
8617 }

```

## 60 File `biditufte-book.cls`

```

8618 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8619 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
8620 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8621 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
8622 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
8623 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
8624 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}

```





```

8625 \ProcessOptions\relax
8626 \LoadClass{book}
8627 \RequirePackage{bidiuftefloat}
8628 \RequirePackage{bidiuftesidenote}
8629 \RequirePackage{bidiuftetoc}
8630 \RequirePackage{bidiuftegeneralstructure}
8631 \RequirePackage{bidiuftehyperref}
8632 \RequirePackage{bidiuftetitle}
8633 %%
8634 % Set up any book-specific stuff now
8635 %%
8636 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8637 % to the opening page of Chapter 1. The running heads, when they appear,
8638 % contain only the (arabic) page number in the outside corner.
8639 %\newif\if@mainmatter \@mainmattertrue
8640 \renewcommand\frontmatter{%
8641   \cleardoublepage%
8642   \@mainmatterfalse%
8643   \pagenumbering{arabic}%
8644   %\pagestyle{plain}%
8645   \fancyhf{}%
8646   \ifthenelse{\boolean{@bidiuftefloat@twoside}}%
8647     {\fancyhead[LE,RO]{\thepage}}%
8648     {\fancyhead[RE,RO]{\thepage}}%
8649 }
8650 %%
8651 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8652 % numbering---it continues where it left off in the front matter.
8653 \renewcommand\mainmatter{%
8654   \cleardoublepage%
8655   \@mainmattertrue%
8656   \fancyhf{}%
8657   \ifthenelse{\boolean{@bidiuftefloat@twoside}}%
8658     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
8659     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8660     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}}% chapter title
8661     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
8662 }
8663 %%
8664 % The back matter contains appendices, indices, glossaries, endnotes,
8665 % bibliographies, list of contributors, illustration credits, etc.
8666 \renewcommand\backmatter{%
8667   \if@openright%
8668     \cleardoublepage%
8669   \else%
8670     \clearpage%
8671   \fi%
8672   \@mainmatterfalse%
8673 }
8674 %%
8675 % Only show the chapter titles in the table of contents
8676 \setcounter{tocdepth}{0}
8677 \AtBeginDocument{%
8678 \IfFileExists{bidiufte-book.cfg}

```



```

8679 {\input{biditufte-book.cfg}
8680 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
8681 {}%
8682 }

```

## 61 File bidipoem.sty

```

8683 \NeedsTeXFormat{LaTeX2e}
8684 \ProvidesPackage{bidipoem}%
8685 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8686
8687 % Usage:
8688 %
8689 % \Setversedim #1#2 % define the layout (within a group):
8690 % #1 = length of both half-verses
8691 % #2 = separation distance = length of a connection, if present
8692 % Variant:
8693 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8694 % #1 = length of first (=right) half-verse
8695 % #2 = length of second (=left) half-verse
8696 % #3 = separation distance = length of a connection, if present
8697 %
8698 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8699 % #1 = text of first (=right) half-verse
8700 % #2 = text of second (=left) half-verse
8701 % Variant:
8702 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8703 % #1 = text of first (=right) half-verse
8704 % #2 = text of connection
8705 % #3 = text of second (=left) half-verse
8706 %
8707 % Alternative (if preferred):
8708 %
8709 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8710
8711
8712 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
8713
8714 % define the layout, verses will be centered
8715
8716 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8717 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
8718
8719 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
8720 \bidipoem@hvind \textwidth
8721 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8722 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
8723 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
8724
8725 \def \bidipoem@set@verseI [#1]{% optional parameter
8726 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
8727
8728 \newcommand*{\bidipoem@set@@verse}[1]{% separation
8729 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax

```



```

8730 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8731
8732 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8733 \ifdim Opt > \bidipoem@hvind %
8734 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
8735 \else
8736 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8737 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8738 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
8739 \par }
8740
8741 % macro for two half verses
8742 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
8743 \ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}]}%
8744 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
8745 \bidipoem@half@verses@next}
8746
8747 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
8748 \traditionalconnverses {#1}{#2}{#3}}
8749
8750
8751 {\catcode\^^M=\active % these lines must end with %
8752 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
8753 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
8754 {\catcode\^^M=\active % these lines must end with %
8755 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
8756 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
8757 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
8758 \def\poemmarginskip{1em plus 1fil minus 1em}
8759 \def\poemextrabaselineskip{0\baselineskip}
8760 \def\poemskip{\medskip}
8761 \newcommand{\bidipoem@openbox}{\leavevmode
8762 \hbox to.77778em{%
8763 \hfil\vrule
8764 \vbox to.675em{\hrule width.6em\vfil\hrule}%
8765 \vrule\hfil}}
8766 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
8767 \newdimen\versewidth
8768 \newtoks\bidipoem@p@ftn
8769 \def\poem@verse#1{%
8770 \ifdim\wd#1>\new@poem@width
8771 \xdef\new@poem@width{\the\wd#1}%
8772 \ifdim\new@poem@width>\poem@width
8773 \xdef\poem@width{\new@poem@width}%
8774 \global\let\poem@needrun\relax
8775 \fi
8776 \fi
8777 \hbox to\poem@width{\unhbox#1}%
8778 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
8779 }
8780 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmarginskip\relax}
8781 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
8782 \def\poem@lineversesep{%
8783 \nobreak

```



```

8784 \hskip\z@ plus 1filll%
8785 \penalty600%
8786 \hskip\poemcolsepskip
8787 \hskip\z@ plus -2filll%
8788 \vadjust{}%
8789 \nobreak
8790 \hskip\z@ plus 1filll%
8791 }
8792 \def\poem@lineparsebegin{%
8793 \halign\bgroup
8794 \global\setbox\verse@i=\hbox{%
8795 \let\@footnotetext\bidipoem@p@ftntext%
8796 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8797 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8798 \let\@xfootnotenext\bidipoem@p@xftntext%
8799 \let\@xfootnote\bidipoem@p@xfootnote%
8800 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8801 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8802 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8803 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8804 \ignorespaces##\unskip}&&
8805 \global\setbox\verse@ii=\hbox{%
8806 \let\@footnotetext\bidipoem@p@ftntext%
8807 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8808 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8809 \let\@xfootnotenext\bidipoem@p@xftntext%
8810 \let\@xfootnote\bidipoem@p@xfootnote%
8811 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8812 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8813 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8814 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8815 \ignorespaces##\unskip}
8816 \cr
8817 }
8818 \def\poem@lineparseend{%
8819 \crcr\egroup
8820 \vskip-\baselineskip
8821 }
8822 \def\traditionalpoem@cr{%
8823 \cr\poem@line
8824 }
8825 \newbox\verse@i
8826 \newbox\verse@ii
8827 \newif\ifpoem@started
8828
8829 \def\poem@line{%
8830 \poem@lineparseend
8831 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
8832 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
8833 \ifpoem@started
8834 \ifdim\wd\verse@ii>\z@\else
8835 \nopagebreak[3]
8836 \fi
8837 \leavevmode

```



```

8838 \poem@linebegin
8839 \poem@verse\verse@i
8840 \ifdim\wd\verse@ii>\z@
8841 \poem@lineversesep
8842 \poem@verse\verse@ii
8843 \fi
8844 \poem@lineend
8845 % \nopagebreak
8846 \par
8847 \vskip\poemextrabaselineskip
8848 \fi
8849 \poem@lineparsebegin
8850 }
8851 \def\@traditionalpoem{%
8852 \stepcounter{poem@no}
8853 \ifnum\max@poem@no<\number\c@poem@no%
8854 \xdef\poem@width{\z@}%
8855 \else
8856 \xdef\poem@width{\poem@prop{poem@width}}%
8857 \fi
8858 \xdef\new@poem@width{\z@}%
8859 \global\versewidth=\poem@width
8860 \poemskip\par
8861 \begingroup
8862 \tabskip=\z@
8863 \parskip=\z@
8864 \parindent=\z@
8865 \parfillskip=\z@
8866 \rightskip=\z@
8867 \leftskip=\z@
8868 \widowpenalty=10000% No break between verses of the same line.
8869 \clubpenalty=10000% Same as above. Not really needed.
8870 \def\newblock{\hfil\poemblocksep\hfil\null}%
8871 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
8872 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
8873 \global\poem@startedfalse
8874 \csname poem@obeylines\endcsname
8875 \let\poem@obeylines\relax
8876 \poem@lineparsebegin
8877 }
8878 \def\@endtraditionalpoem{%
8879 \cr
8880 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
8881 \noalign{%
8882 \skip0=\poemextrabaselineskip
8883 \vskip-\skip0
8884 \vskip-\baselineskip
8885 }%
8886 \fi\fi
8887 \poem@lineparseend
8888 \endgroup
8889 \par
8890 \vskip\baselineskip
8891 \poemskip

```



```

8892 \ifdim\new@poem@width<\poem@width
8893 \global\let\poem@needrun\relax
8894 \fi
8895     \poem@write@aux{poem@width@romannumeral@c@poem@no}{\new@poem@width}%
8896 \ifx\AtEndDocument\undefined\poem@finish\fi
8897 \@endparenv
8898 }
8899
8900
8901 \long\def\bidipoem@p@ftntext#1{%
8902 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}%
8903 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
8904 \long\def\bidipoem@p@LTRftntext#1{%
8905 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}%
8906 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
8907 \long\def\bidipoem@p@RTLftntext#1{%
8908 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
8909 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
8910
8911 \long\def\bidipoem@p@xftntext[#1]#2{%
8912 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
8913
8914 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
8915 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
8916
8917 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
8918 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
8919
8920 \def\bidipoem@p@xfootnote[#1]{%
8921 \begingroup
8922 \csname c@\mpfn\endcsname #1\relax
8923 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8924 \endgroup
8925 \@footnotemark\bidipoem@p@xftntext[#1]}
8926
8927 \def\bidipoem@p@xLTRfootnote[#1]{%
8928 \begingroup
8929 \csname c@\mpfn\endcsname #1\relax
8930 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8931 \endgroup
8932 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
8933
8934 \def\bidipoem@p@xRTLfootnote[#1]{%
8935 \begingroup
8936 \csname c@\mpfn\endcsname #1\relax
8937 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8938 \endgroup
8939 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
8940
8941
8942
8943 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
8944 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey}
8945 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}

```



```

8946 \def\poem@finish{%
8947 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
8948 \ifx\poem@needrun\relax
8949 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
8950 \global\let\poem@needrun\undefined
8951 \fi
8952 }
8953 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
8954 \newcounter{poem@no}\setcounter{poem@no}{\z@}
8955 \ifx\max@poem@no\undefined
8956 \def\max@poem@no{0}%
8957 \fi
8958 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
8959 \newcommand{\poem@write@aux}[2]{%
8960 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
8961 \@x
8962 }
8963 \def\@modernpoem{%
8964 \par
8965 \begingroup
8966 \parskip=\z@
8967 \parindent=\z@
8968 \def\[@\settab\@tabplus\ignorespaces]%
8969 \def\]\@tabminus\ignorespaces}%
8970 \def\newblock{\poemblocksep}%
8971 \let\newpoem@tabcr\@tabcr
8972 \def\modernpoem@par{% Redefine \par for possible \obeylines
8973 \ifpoem@started\else
8974 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
8975 \@stopfield
8976 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
8977 \@contfield
8978 \fi
8979 \fi
8980 \ifpoem@started\newpoem@tabcr\fi}%
8981 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
8982 \global\poem@startedfalse
8983 \csname poem@obeylines\endcsname
8984 \let\poem@obeylines\relax
8985 \begin{tabbing}%
8986 }
8987 \def\@endmodernpoem{%
8988 \global\poem@startedfalse
8989 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
8990 \@stopfield
8991 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
8992 \@contfield
8993 \fi
8994 \ifpoem@started\else\let\@stopline\@stopfield\fi
8995 \end{tabbing}%
8996 \endgroup
8997 \par
8998 \if@nparlist \else
8999 \ifdim\lastskip >\z@

```



```

9000     \@tempskipa\lastskip \vskip -\lastskip
9001     \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
9002     \vskip\@tempskipa
9003     \fi
9004     \@endparenv
9005     \fi
9006 }
9007 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9008 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
9009 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9010 \gdef\@startfield{%
9011 \global\setbox\@curfield\hbox\bgroup%
9012 \let\@footnotetext\bidipoem@p@ftntext%
9013 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9014 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9015 \let\@xfootnotenext\bidipoem@p@xftntext%
9016 \let\@xfootnote\bidipoem@p@xfootnote%
9017 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9018 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9019 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9020 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9021 \color@begingroup}
9022 \gdef\@stopfield{%
9023 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
9024 \gdef\@contfield{%
9025 \global\setbox\@curfield\hbox\bgroup%
9026 \let\@footnotetext\bidipoem@p@ftntext%
9027 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9028 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9029 \let\@xfootnotenext\bidipoem@p@xftntext%
9030 \let\@xfootnote\bidipoem@p@xfootnote%
9031 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9032 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9033 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9034 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9035 \color@begingroup\unhbox\@curfield}

```

## 62 File boek3-xetex-bidi.def

```

9036 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeT
9037 \renewenvironment{theindex}{%
9038   \if@twocolumn
9039     \@restonecolfalse
9040   \else
9041     \@restonecoltrue
9042   \fi
9043   \columnseprule \z@
9044   \columnsep 35\p@
9045   \twocolumn[\@makeschapterhead{\indexname}]%
9046   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9047   \thispagestyle{plain}\parindent\z@
9048   \parskip\z@ \@plus .3\p@\relax
9049   \let\item\@idxitem
9050 }{%

```





```

9051 \if@restonecol\onecolumn\else\clearpage\fi}
9052 \renewcommand*\head@style{%
9053   \interlinepenalty \@M
9054   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9055   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9056 \renewcommand*\regtocoline[3]{%
9057   \ifnum #1>\c@tocdepth
9058   \else
9059     \vskip\z@\@plus.2\p@
9060     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9061     \if@RTL\rightskip\else\leftskip\fi\unitindent
9062     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9063     \parfillskip\z@
9064     \@tempdima\unitindent
9065     \parindent\z@
9066     \leavevmode
9067     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9068     \hskip 1em \nobreak{\slshape #3}\par
9069     }%
9070   \fi}
9071 \if@oldtoc
9072 \renewcommand*\l@part[2]{%
9073   \ifnum \c@tocdepth >-2\relax
9074     \addpenalty{-\@highpenalty}%
9075     \addvspace{2.25em \@plus\p@}%
9076     \begingroup
9077       \setlength\@tempdima{3em}%
9078       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9079       \parfillskip -\@pnumwidth
9080       {\leavevmode
9081         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9082         \nobreak
9083         \global\@nbreaktrue
9084         \everypar{\global\@nbreakfalse\everypar{}}%
9085       \endgroup
9086   \fi}
9087 \else
9088   \renewcommand*\l@part{%
9089     \ifnum \c@tocdepth >-2\relax
9090       \addpenalty{-\@highpenalty}%
9091       \addvspace{2.25em \@plus \p@}%
9092       \@regtocoline{0}%
9093     \fi}
9094 \fi
9095 \if@oldtoc
9096 \renewcommand*\l@chapter[2]{%
9097   \addpenalty{-\@highpenalty}%
9098   \vskip 1.0em \@plus\p@
9099   \setlength\@tempdima{1.5em}%
9100   \begingroup
9101   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9102   \parfillskip -\@pnumwidth
9103   \leavevmode \bfseries
9104   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```



```

9105 \hskip -\if@RTL\righskip\else\leftskip\fi
9106 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9107 \penalty\@highpenalty
9108 \endgroup}
9109 \else
9110 \renewcommand*\l@chapter{\@regtocline{0}}
9111 \fi
9112 \renewenvironment{abstract}{%
9113 \titlepage
9114 \null\vfil
9115 \section*\SectFont \abstractname}
9116 \noindent\ignorespaces}
9117 {\par\vfil\null\endtitlepage}
9118 \renewenvironment{thebibliography}[1]
9119 {\chapter*\bibname}%
9120 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9121 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
9122 \bidi@thebibliography@font@hook%
9123 \list{\@biblabel{\@arabic\c@enumiv}}%
9124 {\settowidth\labelwidth{\@biblabel{#1}}%
9125 \leftmargin\labelwidth
9126 \advance\leftmargin\labelsep
9127 \@openbib@code
9128 \usecounter{enumiv}}%
9129 \let\p@enumiv\@empty
9130 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9131 \sloppy\clubpenalty4000\widowpenalty4000}
9132 \sfcode\.\@m}
9133 {\def\@noitemerr
9134 {\@latex@warning{Empty `thebibliography' environment}}}%
9135 \endlist}
9136 \renewcommand*\left@footnoterule{%
9137 \kern-3\p@
9138 \kern.5\baselineskip
9139 \hrule\@width\unitindent
9140 \kern.4\baselineskip
9141 }
9142 \renewcommand*\right@footnoterule{%
9143 \kern-3\p@
9144 \kern.5\baselineskip
9145 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9146 \kern.4\baselineskip}
9147 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9148 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9149 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9150 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9151 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9152 \renewcommand*\theequation{%
9153 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9154 \renewcommand*\thefigure{%
9155 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
9156 \renewcommand*\thetable{%
9157 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
9158 \renewcommand*\maketitle{%

```



```

9159 \begin{titlepage}%
9160   \let\footnotesize\small
9161   \let\right@footnoterule\relax
9162   \let\left@footnoterule\relax
9163   \let\textwidth@footnoterule\relax
9164   \let \footnote \thanks
9165   \long\def\@makefntext##1{\parindent\z@
9166     \def\labelitemi{\textendash}\@revlabeltrue
9167     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9168   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9169   \if@compatibility\setcounter{page}{0}\fi
9170   \null\vfil
9171   \vskip 60\p@
9172   \begin{center}%
9173     \TitleFont
9174     {\LARGE \def\{\{\penalty -\@M}
9175       \if@allcaps
9176         \expandafter\uc@nothanks\@title\thanks\relax
9177       \else
9178         \@title
9179       \fi\par}%
9180     \vskip 3em%
9181     {\large
9182       \lineskip .75em \parindent\z@
9183       \begin{tabular}[t]{c}%
9184         \if@allcaps
9185           \expandafter\uc@authornothanks\@author\and\relax
9186         \else
9187           \@author
9188         \fi
9189       \end{tabular}\par}%
9190     \vskip 1.5em%
9191     {\large
9192       \if@allcaps
9193         \uppercase\expandafter{\@date}%
9194       \else
9195         \@date
9196       \fi\par}%
9197     \end{center}\par
9198     \@thanks
9199     \vfil\null
9200 \end{titlepage}%
9201 \setcounter{footnote}{0}%
9202 \global\let\thanks\relax
9203 \global\let\maketitle\relax
9204 \global\let\@thanks\@empty
9205 \global\let\@author\@empty
9206 \global\let\@title\@empty
9207 \global\let\@date\@empty
9208 \global\let\title\relax
9209 \global\let\author\relax
9210 \global\let\date\relax
9211 \global\let\and\relax
9212 }

```



## 63 File boek-xetex-bidi.def

```
9213 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX
9214 \renewenvironment{theindex}{%
9215   \if@twocolumn
9216     \@restonecolfalse
9217   \else
9218     \@restonecoltrue
9219   \fi
9220   \columnseprule \z@
9221   \columnsep 35\p@
9222   \twocolumn[\@makeschapterhead{\indexname}]%
9223   \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9224   \thispagestyle{plain}\parindent\z@
9225   \parskip\z@ \@plus .3\p@\relax
9226   \let\item\@idxitem
9227 }{%
9228   \if@restonecol\onecolumn\else\clearpage\fi}
9229 \renewcommand*{\head@style}{%
9230   \interlinepenalty \@M
9231   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9232   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9233 \renewcommand*{\@regtocline}[3]{%
9234   \ifnum #1>\c@tocdepth
9235     \else
9236       \vskip\z@\@plus.2\p@
9237       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9238        \if@RTL\rightskip\else\leftskip\fi\unitindent
9239        \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9240        \parfillskip\z@
9241        \@tempdima\unitindent
9242        \parindent\z@
9243        \leavevmode
9244        \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9245        \hskip 1em \nobreak{\slshape #3}\par
9246       }%
9247   \fi}
9248 \if@oldtoc
9249 \renewcommand*\l@part[2]{%
9250   \ifnum \c@tocdepth >-2\relax
9251     \addpenalty{-\@highpenalty}%
9252     \addvspace{2.25em \@plus\p@}%
9253     \begingroup
9254       \setlength\@tempdima{3em}%
9255       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9256       \parfillskip -\@pnumwidth
9257       {\leavevmode
9258        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9259       \nobreak
9260       \global\@nobreaktrue
9261       \everypar{\global\@nobreakfalse\everypar{}}%
9262     \endgroup
9263   \fi}
9264 \else
```



```

9265 \renewcommand*\l@part{%
9266 \ifnum \c@tocdepth >-2\relax
9267 \addpenalty{-\@highpenalty}%
9268 \addvspace{2.25em \@plus \p@}%
9269 \@regtocoline{0}%
9270 \fi}
9271 \fi
9272 \if@oldtoc
9273 \renewcommand*\l@chapter[2]{%
9274 \addpenalty{-\@highpenalty}%
9275 \vskip 1.0em \@plus\p@
9276 \setlength\@tempdima{1.5em}%
9277 \begingroup
9278 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9279 \parfillskip -\@pnumwidth
9280 \leavevmode \bfseries
9281 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9282 \hskip -\if@RTL\rightskip\else\leftskip\fi
9283 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9284 \penalty\@highpenalty
9285 \endgroup}
9286 \else
9287 \renewcommand*\l@chapter{\@regtocoline{0}}
9288 \fi
9289 \renewcommand*\left@footnoterule{%
9290 \kern-3\p@
9291 \kern.5\baselineskip
9292 \hrule\@width\unitindent
9293 \kern.4\baselineskip
9294 }
9295 \renewcommand*\right@footnoterule{%
9296 \kern-3\p@
9297 \kern.5\baselineskip
9298 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9299 \kern.4\baselineskip}
9300 \renewenvironment{abstract}{%
9301 \titlepage
9302 \null\vfil
9303 \section*{\SectFont \abstractname}
9304 \noindent\ignorespaces}
9305 {\par\vfil\null\endtitlepage}
9306 \renewenvironment{thebibliography}[1]
9307 {\chapter*{\bibname}%
9308 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9309 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9310 \bidi@thebibliography@font@hook%
9311 \list{\@biblabel{\@arabic\c@enumiv}}%
9312 {\settowidth\labelwidth{\@biblabel{#1}}%
9313 \leftmargin\labelwidth
9314 \advance\leftmargin\labelsep
9315 \@openbib@code
9316 \usecounter{enumiv}%
9317 \let\p@enumiv\@empty
9318 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%

```



```

9319     \sloppy\clubpenalty4000\widowpenalty4000%
9320     \sfcode`.\@M}
9321     {\def\@noitemerr
9322       {\@latex@warning{Empty `thebibliography' environment}}}%
9323     \endlist}
9324 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9325 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
9326 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
9327 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
9328 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
9329 \renewcommand*\theequation{%
9330   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9331 \renewcommand*\thefigure{%
9332   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9333 \renewcommand*\thetable{%
9334   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9335 \renewcommand*\maketitle{%
9336   \begin{titlepage}%
9337     \let\footnotesize\small
9338     \let\right@footnoterule\relax
9339     \let\left@footnoterule\relax
9340     \let\textwidth@footnoterule\relax
9341     \let \footnote \thanks
9342     \long\def\@makefnmark##1{\parindent\z@
9343       \def\labelitemi{\textendash}\@revlabeltrue
9344       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9345     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9346     \if@compatibility\setcounter{page}{0}\fi
9347     \null\vfil
9348     \vskip 60\p@
9349     \begin{center}%
9350       \TitleFont
9351       {\LARGE \def\{\{\penalty -\@M}
9352         \if@allcaps
9353           \expandafter\uc@nothanks\@title\thanks\relax
9354         \else
9355           \@title
9356         \fi\par}%
9357       \vskip 3em%
9358       {\large
9359         \lineskip .75em \parindent\z@
9360         \begin{tabular}[t]{c}%
9361           \if@allcaps
9362             \expandafter\uc@authornothanks\@author\and\relax
9363           \else
9364             \@author
9365           \fi
9366         \end{tabular}\par}%
9367       \vskip 1.5em%
9368       {\large
9369         \if@allcaps
9370           \uppercase\expandafter{\@date}%
9371         \else
9372           \@date

```



```

9373     \fi\par}%
9374     \end{center}\par
9375     \@thanks
9376     \vfil\null
9377 \end{titlepage}%
9378 \setcounter{footnote}{0}%
9379 \global\let\thanks\relax
9380 \global\let\maketitle\relax
9381 \global\let\@thanks\@empty
9382 \global\let\@author\@empty
9383 \global\let\@title\@empty
9384 \global\let\@date\@empty
9385 \global\let\title\relax
9386 \global\let\author\relax
9387 \global\let\date\relax
9388 \global\let\and\relax
9389 }

```

## 64 File `bookest-xetex-bidi.def`

```

9390 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
9391 \def\@makechapterhead#1{%
9392   \vspace*{20\p@}
9393   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9394     \ifnum \c@secnumdepth >\m@ne
9395       \if@mainmatter
9396         {\colorA\huge\scshape \@chapapp\space \thechapter}
9397         \par\nobreak
9398         \vskip 10\p@
9399       \fi
9400     \fi
9401     \interlinepenalty\@M
9402     {\colorB\hrule}
9403     \vskip 15\p@
9404     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9405     {\colorA\Huge \bfseries #1}\par\nobreak
9406     \if@RTL\end{flushleft}\else\end{flushright}\fi
9407     \vskip 5\p@
9408     {\colorB\hrule}
9409     \vskip 30\p@
9410   }}
9411 \def\@makeschapterhead#1{%
9412   \vspace*{20\p@}
9413   {\parindent \z@ \raggedright \normalfont
9414     {\colorB\hrule}
9415     \vskip 15\p@
9416     \begin{center}
9417       {\colorA\Huge \bfseries #1}\par\nobreak
9418     \end{center}
9419     \vskip 5\p@
9420     {\colorB\hrule}
9421     \vskip 30\p@
9422   }}

```



## 65 File book-xetex-bidi.def

```
9423 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class
9424 \renewenvironment{theindex}
9425     {\if@twocolumn
9426         \@restonecolfalse
9427     \else
9428         \@restonecoltrue
9429     \fi
9430     \columnseprule \z@
9431     \columnsep 35\p@
9432     \twocolumn[\@makeschapterhead{\indexname}]%
9433     \@mkboth{\MakeUppercase\indexname}%
9434             {\MakeUppercase\indexname}%
9435     \thispagestyle{plain}\parindent\z@
9436     \parskip\z@ \@plus .3\p@\relax
9437     \let\item\@idxitem}
9438     {\if@restonecol\onecolumn\else\clearpage\fi}
9439 \@ifclassloaded{bookest}{-}{%
9440 \if@titlepage
9441 \renewcommand\maketitle{\begin{titlepage}%
9442 \let\footnotesize\small
9443 \let\right@footnoterule\relax
9444 \let\left@footnoterule\relax
9445 \let\textwidth@footnoterule\relax
9446 \let \footnote \thanks
9447 \let \LTRfootnote \LTRthanks
9448 \let \RTLfootnote \RTLthanks
9449 \null\vfil
9450 \vskip 60\p@
9451 \begin{center}%
9452     {\LARGE \@title \par}%
9453     \vskip 3em%
9454     {\large
9455         \lineskip .75em%
9456         \begin{tabular}[t]{c}%
9457             \@author
9458             \end{tabular}\par}%
9459     \vskip 1.5em%
9460     {\large \@date \par}%           % Set date in \large size.
9461 \end{center}\par
9462 \@thanks
9463 \vfil\null
9464 \end{titlepage}%
9465 \setcounter{footnote}{0}%
9466 \global\let\thanks\relax
9467 \global\let\LTRthanks\relax
9468 \global\let\RTLthanks\relax
9469 \global\let\maketitle\relax
9470 \global\let\@thanks\@empty
9471 \global\let\@author\@empty
9472 \global\let\@date\@empty
9473 \global\let\@title\@empty
9474 \global\let\title\relax
```





```

9475 \global\let\author\relax
9476 \global\let\date\relax
9477 \global\let\and\relax
9478 }
9479 \else
9480 \renewcommand\maketitle{\par
9481 \begin{group}
9482 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9483 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9484 \long\def\@makefntext##1{\parindent 1em\noindent
9485 \hb@xt@1.8em{\%
9486 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9487 \if@twocolumn
9488 \ifnum \col@number=\@ne
9489 \maketitle
9490 \else
9491 \twocolumn[\maketitle]%
9492 \fi
9493 \else
9494 \newpage
9495 \global\@topnum\z@ % Prevents figures from going at top of page.
9496 \maketitle
9497 \fi
9498 \thispagestyle{plain}\@thanks
9499 \endgroup}
9500 \setcounter{footnote}{0}%
9501 \global\let\thanks\relax
9502 \global\let\LTRthanks\relax
9503 \global\let\RTLthanks\relax
9504 \global\let\maketitle\relax
9505 \global\let\@maketitle\relax
9506 \global\let\@thanks\@empty
9507 \global\let\@author\@empty
9508 \global\let\@date\@empty
9509 \global\let\@title\@empty
9510 \global\let\title\relax
9511 \global\let\author\relax
9512 \global\let\date\relax
9513 \global\let\and\relax
9514 }
9515 \def\@maketitle{%
9516 \newpage
9517 \null
9518 \vskip 2em%
9519 \begin{center}%
9520 \let \footnote \thanks
9521 \let \LTRfootnote \LTRthanks
9522 \let \RTLfootnote \RTLthanks
9523 {\LARGE \@title \par}%
9524 \vskip 1.5em%
9525 {\large
9526 \lineskip .5em%
9527 \begin{tabular}[t]{c}%
9528 \@author

```



```

9529     \end{tabular}\par}%
9530     \vskip 1em%
9531     {\large \@date}%
9532 \end{center}%
9533 \par
9534 \vskip 1.5em}
9535 \fi}
9536 \renewcommand*\l@part[2]{%
9537   \ifnum \c@tocdepth >-2\relax
9538     \addpenalty{-\@highpenalty}%
9539     \addvspace{2.25em \@plus\p@}%
9540     \setlength\@tempdima{3em}%
9541     \begingroup
9542       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9543       \parfillskip -\@pnumwidth
9544       {\leavevmode
9545         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9546       \nobreak
9547       \global\@nobreaktrue
9548       \everypar{\global\@nobreakfalse\everypar{}}}%
9549     \endgroup
9550   \fi}
9551 \renewcommand*\l@chapter[2]{%
9552   \ifnum \c@tocdepth >\m@ne
9553     \addpenalty{-\@highpenalty}%
9554     \vskip 1.0em \@plus\p@
9555     \setlength\@tempdima{1.5em}%
9556     \begingroup
9557       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9558       \parfillskip -\@pnumwidth
9559       \leavevmode \bfseries
9560       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9561       \hskip -\if@RTL\rightskip\else\leftskip\fi
9562       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9563       \penalty\@highpenalty
9564     \endgroup
9565   \fi}
9566 \renewcommand\left@footnoterule{%
9567   \kern-3\p@
9568   \hrule\@width.4\columnwidth
9569   \kern2.6\p@}
9570 \renewcommand\right@footnoterule{%
9571   \kern-3\p@
9572   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9573   \kern2.6\p@}
9574 \renewcommand\theequation
9575   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9576 \renewcommand \thefigure
9577   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9578 \renewcommand \thetable
9579   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9580 \renewcommand \thechapter {\@arabic\c@chapter}
9581 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9582 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

9583 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9584 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9585 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9586 \def\@makechapterhead#1{%
9587   \vspace*{50\p@}%
9588   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9589     \ifnum \c@secnumdepth >\m@ne
9590       \if@mainmatter
9591         \huge\bfseries \@chapapp\space \thechapter
9592         \par\nobreak
9593         \vskip 20\p@
9594       \fi
9595       \fi
9596       \interlinepenalty\@M
9597       \Huge \bfseries #1\par\nobreak
9598       \vskip 40\p@
9599   }}
9600 \def\@makeschapterhead#1{%
9601   \vspace*{50\p@}%
9602   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9603     \normalfont
9604     \interlinepenalty\@M
9605     \Huge \bfseries #1\par\nobreak
9606     \vskip 40\p@
9607   }}
9608 \renewcommand\backmatter{%
9609   \if@openright
9610     \cleardoublepage
9611   \else
9612     \clearpage
9613   \fi
9614   \@mainmatterfalse}
9615 \renewenvironment{thebibliography}[1]
9616   {\chapter*{\bibname}%
9617    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9618    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9619    \bidi@thebibliography@font@hook%
9620    \list{\@biblabel{\@arabic\c@enumiv}}%
9621      {\settowidth\labelwidth{\@biblabel{#1}}%
9622       \leftmargin\labelwidth
9623       \advance\leftmargin\labelsep
9624       \@openbib@code
9625       \usecounter{enumiv}%
9626       \let\p@enumiv\@empty
9627       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9628   \sloppy
9629   \clubpenalty4000
9630   \@clubpenalty \clubpenalty
9631   \widowpenalty4000%
9632   \sfcode`. \@m}
9633 {\def\@noitemerr
9634   {\@latex@warning{Empty `thebibliography' environment}}%
9635   \endlist}

```



## 66 File breqn-xetex-bidi.def

```
9636 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
9637 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
9638 \everydisplay\expandafter{\the\everydisplay \display@setup}%
9639 \if@noskipsec \leavevmode \fi
9640 \if@inlabel \leavevmode \global\@inlabelfalse \fi
9641 \if@eq@group\else\eq@prelim\fi
9642 \setkeys{breqn}{#1}%
9643 \the\eqstyle
9644 \eq@setnumber
9645 \begingroup
9646 \eq@setup@a
9647 \eq@startup
9648 }
9649 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
9650 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9651 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
9652 \global\let\GRP@label\@empty
9653 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
9654 \global\grp@linewidth\z@\global\grp@wdNum\z@
9655 \global\let\grp@eqs@numbered\@False
9656 \global\let\grp@aligned\@True
9657 \global\let\grp@shiftnumber\@False
9658 \eq@prelim
9659 \setkeys{breqn}{#1}%
9660 \if\grp@hasNumber \grp@setnumber \fi
9661 }
9662 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
9663 \let\display@setup\dseries@display@setup
9664 % Question: should this be the default for dseries???
9665 \global\eq@wdCond\z@
9666 \@dmath[layout={M},#1]%
9667 \mathsurround\z@\@math \penalty\@Mi
9668 \let\endmath\ends@math
9669 \def\premath{%
9670 \ifdim\lastskip<.3em \unskip
9671 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9672 }%
9673 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9674 \ignorespaces
9675 }
9676 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9677 \renewenvironment{dsuspend}{%
9678 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9679 \parshape 1 \displayindent \displaywidth\relax
9680 \hsize=\columnwidth \noindent\ignorespaces
9681 }{%
9682 \par\egroup
9683 \global\setbox\GRP@box\vbox{%
9684 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
9685 \unvbox\GRP@box
9686 }%
9687 \global\GRP@queue\@xp{\the\GRP@queue
```



```

9688 \let\eq@isIntertext\@True}%
9689 }%
9690 }

```

## 67 File calx-xetex-bidi.def

```

9691 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeT
9692 \renewcommand\cals@setup@alignment[1]{%
9693 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9694 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9695 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9696 }
9697 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
9698 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9699 \if@RTLtab\cals@activate@rtl\fi
9700 \let\cals@thead@tokens=\relax
9701 \let\cals@tfoot@tokens=\relax
9702 \let\cals@tbody@tokens=\relax
9703 \cals@tfoot@height=0pt \relax
9704 \let\cals@last@context=n%
9705 \let\cals@current@context=b%
9706 \parindent=0pt \relax%
9707 \cals@setup@alignment{#1}%
9708 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
9709 %% Alignment inside is independent on center/flushright outside
9710 \parfillskip=0pt plus1fil\relax
9711 \let\cals@borderL=\relax
9712 \let\cals@borderR=\relax
9713 \let\cals@borderT=\relax
9714 \let\cals@borderB=\relax
9715 \setbox\cals@backup@row=\box\voidb@x\relax
9716 \cals@AtBeginTable
9717 }{% End of the table
9718 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
9719 \renewcommand\alignL{%
9720 \if@RTLtab
9721 \cals@vfillAdd\cals@paddingL
9722 \else
9723 \cals@vfillDrop\cals@paddingL
9724 \fi
9725 \cals@vfillDrop\cals@paddingR}
9726 \renewcommand\alignR{%
9727 \if@RTLtab
9728 \cals@vfillDrop\cals@paddingL
9729 \else
9730 \cals@vfillAdd\cals@paddingL
9731 \fi
9732 \cals@vfillDrop\cals@paddingR}

```

## 68 File caption-xetex-bidi.def

```

9733 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package f
9734 \let\makecaption\caption@makecaption

```



## 69 File caption3-xetex-bidi.def

```
9735 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
9736 \renewcommand*\caption@par{%
9737 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%
```

## 70 File colortbl-xetex-bidi.def

```
9738 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
9739 \def\CT@setup{%
9740 \@tempdima\col@sep
9741 \@tempdimc\col@sep
9742 \def\CT@color{%
9743 \global\let\CT@do@color\CT@do@color
9744 \bidicolor}}
9745 \def\@classz{\@classx
9746 \@tempcnta \count@
9747 \prepnext@tok
9748 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
9749 \@addtopreamble{\if@RTLtab\beginL\fi%
9750 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
9751 \ifcase \@chnum
9752 \hskip\stretch{.5}\kern\z@
9753 \d@llarbegin
9754 \insert@column
9755 \d@llarend\hskip\stretch{.5}\or
9756 \d@llarbegin \insert@column \d@llarend \hfill \or
9757 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
9758 $\vcenter
9759 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
9760 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
9761 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
9762 \fi
9763 \if@RTLtab\endR\fi\egroup\egroup
9764 \begingroup
9765 \CT@setup
9766 \CT@column@color
9767 \CT@row@color
9768 \CT@cell@color
9769 \CT@do@color
9770 \endgroup
9771 \@tempdima\ht\z@
9772 \advance\@tempdima\minrowclearance
9773 \vrule\@height\@tempdima\@width\z@
9774 \unhbox\z@\if@RTLtab\endL\fi}%
9775 \prepnext@tok}
```

## 71 File color-xetex-bidi.def

```
9776 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for X
9777 \long\def\color@b@x#1#2#3{%
9778 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
9779 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
9780 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
```



```

9781 \dimen@dp\z@advance\dimen@fboxsep\dp\z@dimen@
9782 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
9783 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
9784 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
9785 \DeclareRobustCommand\color{%
9786 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor]}
9787 \def\@declaredcolor#1{%
9788 \@ifundefined{\string\color @#1}%
9789 {\c@lor@error{`#1'}}%
9790 {\expandafter\let\expandafter\current@color
9791 \csname\string\color @#1\endcsname
9792 \set@color}%
9793 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9794 \def\@undeclaredcolor[#1]#2{%
9795 \@ifundefined{color@#1}%
9796 {\c@lor@error{model `#1'}}%
9797 {\csname color@#1\endcsname\current@color{#2}%
9798 \set@color}%
9799 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9800 \DeclareRobustCommand\bidicolor{%
9801 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]}
9802 \def\@bidiundeclaredcolor[#1]#2{%
9803 \@ifundefined{color@#1}%
9804 {\c@lor@error{model `#1'}}%
9805 {\csname color@#1\endcsname\current@color{#2}%
9806 \set@color}%
9807 \ignorespaces}
9808 \def\@bidideclaredcolor#1{%
9809 \@ifundefined{\string\color @#1}%
9810 {\c@lor@error{`#1'}}%
9811 {\expandafter\let\expandafter\current@color
9812 \csname\string\color @#1\endcsname
9813 \set@color}%
9814 \ignorespaces}
9815 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
9816 \def\color@fbox#1#2#3{%
9817 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
9818 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 72 File combine-xetex-bidi.def

```

9819 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
9820 \renewcommand{\c@ll@chapsecii}[2]{%
9821 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
9822 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
9823 #1\nobreak\hfil\nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9824 }
9825 \renewcommand{\c@ll@chapseci}{%
9826 \setlength\@tempdima{0em}%
9827 \begingroup
9828 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9829 \parfillskip -\@pnumwidth
9830 \leavevmode
9831 }

```



```

9832 \renewenvironment{tocindent}[1]{%
9833   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{}

```

## 73 File crop-xetex-bidi.def

```

9834 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
9835 \renewcommand*\CROP@ulc{%
9836   \if@RTLmain%
9837     \begin{picture}(0,0)
9838       \unitlength\p@\thinlines
9839       \put(-40,0){\circle{10}}
9840       \put(-30,-5){\line(0,1){10}}
9841       \put(-35,0){\line(1,0){30}}
9842       \put(-10,30){\circle{10}}
9843       \put(-5,30){\line(1,0){10}}
9844       \put(0,35){\line(0,-1){30}}
9845     \end{picture}%
9846   \else%
9847     \begin{picture}(0,0)
9848       \unitlength\p@\thinlines
9849       \put(-30,0){\circle{10}}
9850       \put(-30,-5){\line(0,1){10}}
9851       \put(-35,0){\line(1,0){30}}
9852       \put(0,30){\circle{10}}
9853       \put(-5,30){\line(1,0){10}}
9854       \put(0,35){\line(0,-1){30}}
9855     \end{picture}%
9856   \fi%
9857 }
9858 \renewcommand*\CROP@urc{%
9859   \if@RTLmain%
9860     \begin{picture}(0,0)
9861       \unitlength\p@\thinlines
9862       \put(20,0){\circle{10}}
9863       \put(30,-5){\line(0,1){10}}
9864       \put(35,0){\line(-1,0){30}}
9865       \put(-10,30){\circle{10}}
9866       \put(-5,30){\line(1,0){10}}
9867       \put(0,35){\line(0,-1){30}}
9868     \end{picture}%
9869   \else%
9870     \begin{picture}(0,0)
9871       \unitlength\p@\thinlines
9872       \put(30,0){\circle{10}}
9873       \put(30,-5){\line(0,1){10}}
9874       \put(35,0){\line(-1,0){30}}
9875       \put(0,30){\circle{10}}
9876       \put(-5,30){\line(1,0){10}}
9877       \put(0,35){\line(0,-1){30}}
9878     \end{picture}%
9879   \fi%
9880 }
9881 \renewcommand*\CROP@llc{%
9882   \if@RTLmain%

```





```

9883     \begin{picture}(0,0)
9884         \unitlength\p@\thinlines
9885         \put(-40,0){\circle{10}}
9886         \put(-30,-5){\line(0,1){10}}
9887         \put(-35,0){\line(1,0){30}}
9888         \put(-10,-30){\circle{10}}
9889         \put(-5,-30){\line(1,0){10}}
9890         \put(0,-35){\line(0,1){30}}
9891     \end{picture}%
9892 \else%
9893     \begin{picture}(0,0)
9894         \unitlength\p@\thinlines
9895         \put(-30,0){\circle{10}}
9896         \put(-30,-5){\line(0,1){10}}
9897         \put(-35,0){\line(1,0){30}}
9898         \put(0,-30){\circle{10}}
9899         \put(-5,-30){\line(1,0){10}}
9900         \put(0,-35){\line(0,1){30}}
9901     \end{picture}%
9902 \fi%
9903 }
9904 \renewcommand*\CROP@lrc{%
9905     \if@RTLmain%
9906         \begin{picture}(0,0)
9907             \unitlength\p@\thinlines
9908             \put(20,0){\circle{10}}
9909             \put(30,-5){\line(0,1){10}}
9910             \put(35,0){\line(-1,0){30}}
9911             \put(-10,-30){\circle{10}}
9912             \put(-5,-30){\line(1,0){10}}
9913             \put(0,-35){\line(0,1){30}}
9914         \end{picture}%
9915     \else%
9916         \begin{picture}(0,0)
9917             \unitlength\p@\thinlines
9918             \put(30,0){\circle{10}}
9919             \put(30,-5){\line(0,1){10}}
9920             \put(35,0){\line(-1,0){30}}
9921             \put(0,-30){\circle{10}}
9922             \put(-5,-30){\line(1,0){10}}
9923             \put(0,-35){\line(0,1){30}}
9924         \end{picture}%
9925     \fi%
9926 }
9927 \@ifpackagewith{crop}{cam}{%
9928 \CROP@execopt{cam}%
9929 }{}

```

## 74 File cutwin-xetex-bidi.def

```

9930 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
9931 \renewcommand*\c@twcompctr[2]{%
9932     \def\c@twfirst{1}
9933     \loop\advance\c@twwinlines\m@ne

```



```

9934 \setbox\c@twslicea=\vsplit#1 to\baselineskip
9935 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
9936 \c@twprune{\c@twslicea}{\c@twlftside}%
9937 \c@twprune{\c@twsliceb}{\c@twrtside}%
9938 \ifnum\c@twfirst=\@ne
9939   \setbox#2=\vbox{\unvbox#2\hbox
9940     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
9941 \else
9942   \setbox#2=\vbox{\unvbox#2\hbox
9943     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@tw
9944 \fi
9945 \def\c@twfirst{2}
9946 \ifnum\c@twinlines>\z@\repeat}
9947 \renewcommand*\c@twcompodctr}[2]{%
9948   \def\c@twrounds{1}
9949   \def\c@twfirst{1}
9950   \@for\c@twlspec:=\c@twb\do{%
9951     \ifnum\c@twrounds=1
9952       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
9953       \c@twprune{\c@twslicea}{\c@twlspec}%
9954       \def\c@twrounds{2}
9955     \else
9956       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
9957       \c@twprune{\c@twsliceb}{\c@twlspec}%
9958       \ifnum\c@twfirst=1
9959         \setbox#2=\vbox{\unvbox#2\hbox
9960           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@tw
9961         \def\c@twfirst{2}
9962       \else
9963         \setbox#2=\vbox{\unvbox#2\hbox
9964           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@tw
9965       \fi
9966       \def\c@twrounds{1}
9967     \fi}}

```

## 75 File cuted-xetex-bidi.def

```

9968 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for Xe
9969
9970 \def\RTL@outputdblcol{%
9971   \if@firstcolumn
9972     \global\@firstcolumnfalse
9973     \global\setbox\@leftcolumn\copy\@outputbox
9974     \splitmaxdepth\maxdimen
9975     \vbadness\maxdimen
9976     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
9977     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9978     \toks@\expandafter{\topmark}%
9979     \xdef\@firstcoltopmark{\the\toks@}%
9980     \toks@\expandafter{\splitfirstmark}%
9981     \xdef\@firstcolfirstmark{\the\toks@}%
9982     \ifx\@firstcolfirstmark\empty
9983       \global\let\@setmarks\relax
9984     \else

```



```

9985     \gdef\@setmarks{%
9986         \let\firstmark\@firstcolfirstmark
9987         \let\topmark\@firstcoltopmark}%
9988     \fi
9989 \else
9990     \global\@firstcolumntrue
9991     \setbox\@outputbox\vbox{%
9992         \hb@xt@\textwidth{%
9993             \hskip \columnwidth
9994             \hfil
9995             {\normalcolor\vrule \@width\columnseprule}%
9996             \hfil
9997             \hb@xt@\columnwidth{%
9998                 \bidi@firstcolumn@status@write%
9999                 \box\@leftcolumn \hss}%
10000             \hskip -\textwidth
10001             \hb@xt@\columnwidth{%
10002                 \bidi@lastcolumn@status@write%
10003                 \box\@outputbox \hss}%
10004             \hskip \columnsep
10005             \hskip \columnwidth }}%
10006     \ifvoid\hold@viper
10007     \else
10008         \setbox\@outputbox \vbox to\textheight{%
10009             \box\hold@viper
10010             \box\@outputbox
10011             \vss
10012             }%
10013     \fi
10014 \@combinedblfloats
10015 \@setmarks
10016 \@outputpage
10017 \begingroup
10018 \@dblfloatplacement
10019 \@startdblcolumn
10020 \@whilesw@if@fcolmade \fi{\@outputpage
10021 \@startdblcolumn}%
10022 \ifvoid\@viper
10023 \else
10024     \global\setbox\@viper\vbox{%
10025         \vskip-\stripsep
10026         \unvbox\@viper
10027         }%
10028     \@viperoutput
10029 \fi
10030 \endgroup
10031 \fi}%
10032
10033 \def\LTR@outputdblcol{%
10034     \if@firstcolumn
10035         \global\@firstcolumnfalse
10036         \global\setbox\@leftcolumn\copy\@outputbox
10037         \splitmaxdepth\maxdimen
10038         \vbadness\maxdimen

```



```

10039 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10040 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10041 \toks@\expandafter{\topmark}%
10042 \xdef\@firstcoltopmark{\the\toks@}%
10043 \toks@\expandafter{\splitfirstmark}%
10044 \xdef\@firstcolfirstmark{\the\toks@}%
10045 \ifx\@firstcolfirstmark\@empty
10046 \global\let\@setmarks\relax
10047 \else
10048 \gdef\@setmarks{%
10049 \let\firstmark\@firstcolfirstmark
10050 \let\topmark\@firstcoltopmark}%
10051 \fi
10052 \else
10053 \global\@firstcolumntrue
10054 \setbox\@outputbox\vbox{%
10055 \hb@xt@\textwidth{%
10056 \hb@xt@\columnwidth{%
10057 \bidi@firstcolumn@status@write%
10058 \box\@leftcolumn \hss}%
10059 \hfil
10060 {\normalcolor\vrule \@width\columnseprule}%
10061 \hfil
10062 \hb@xt@\columnwidth{%
10063 \bidi@lastcolumn@status@write%
10064 \box\@outputbox \hss}}}%
10065 \ifvoid\hold@viper
10066 \else
10067 \setbox\@outputbox \vbox to\textheight{%
10068 \box\hold@viper
10069 \box\@outputbox
10070 \vss
10071 }%
10072 \fi
10073 \@combinedblfloats
10074 \@setmarks
10075 \@outputpage
10076 \begingroup
10077 \@dblfloatplacement
10078 \@startdblcolumn
10079 \@whilesw\if@fcolmade \fi{\@outputpage
10080 \@startdblcolumn}%
10081 \ifvoid\@viper
10082 \else
10083 \global\setbox\@viper\vbox{%
10084 \vskip-\stripsep
10085 \unvbox\@viper
10086 }%
10087 \@viperoutput
10088 \fi
10089 \endgroup
10090 \fi}%
10091
10092 \def\@addviper{%

```



```

10093 \insertfalse
10094 \def\var@@thecol@num{2}%
10095 \if@firstcolumn
10096   \def\var@@thecol@num{1}%
10097   \@reqcolroom=.5\@pageht
10098   \ht@viper=\@reqcolroom
10099   \advance\@reqcolroom by\ht\@viper
10100   \advance\@reqcolroom by\stripsep
10101 \else
10102   \@reqcolroom=\@colht
10103   \advance\@reqcolroom by\@pageht
10104   \ht@viper.5\@reqcolroom
10105   \@reqcolroom=\ht@viper
10106   \advance\@reqcolroom by\ht\@viper
10107   \advance\@reqcolroom by\stripsep
10108   \global\setbox\@holdpg\vbox{%
10109     \setbox\cuted@@tempbox@a\vbox{%
10110       \aftergroup\unvbox
10111       \unvcopy\@leftcolumn
10112       \unskip\unkern\unpenalty
10113       \setbox\@tempbox@a\lastbox
10114       \ifdim\dimexpr\ht\@tempbox+a\wd\@tempbox+a\dp\@tempbox>\z@
10115         %% keeps lastbox
10116         \aftergroup\@leftcolumn
10117       \else
10118         %% removes lastbox
10119         \aftergroup\cuted@@tempbox@a
10120       \fi
10121     }%
10122     \unskip\unkern\unpenalty
10123     \on@stripcols@break
10124     \the\At@ViperColsBreak
10125     \unvbox\@holdpg
10126   }%
10127   \global\At@ViperColsBreak{}%
10128   \ht@viper=.5\ht\@holdpg
10129   \ifdim\ht@viper>\@colht
10130     \ht@viper=\@colht
10131   \fi
10132 \fi
10133 %%
10134 %% calculations for breaking
10135 %%
10136 \ifvoid\hold@viper
10137   \ht@hold@viper=\z@
10138 \else
10139   \ht@hold@viper=\ht\hold@viper
10140 \fi
10141 \cuted@@tempdim@b\ht@viper
10142 \set@split@topskip@to\topskip
10143 \loop
10144   \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
10145   \setbox\cuted@@varbox@a\copy\@holdpg
10146   \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b

```



```

10147 %% set leftcolumn boxes
10148 \setbox\cuted@@tempbox@c\vbox{\unvbox\cuted@@tempbox@a}%
10149 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10150 \xdef\var@@leftcolumn@badness{\the\badness}%
10151 %% set rightcolumn boxes
10152 \setbox\cuted@@varbox@c\vbox{\unvbox\cuted@@varbox@a}%
10153 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10154 \xdef\var@@rightcolumn@badness{\the\badness}%
10155 %% analyzing split goodness
10156 \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10157 \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10158 \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10159 \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
10160 \cuted@@wlog@debug{CUTED [-----]}%
10161 ^^JLeft: \the\ht\cuted@@tempbox@c
10162 +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10163 ^^JRight: \the\ht\cuted@@varbox@c
10164 +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
10165 ^^JSplit: \the\cuted@@tempdim@b
10166 ^^JExtra height: \the\cuted@@tempdim@spread
10167 }%
10168 \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10169 \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10170 \cuted@@tempdim@spread=\z@
10171 \fi
10172 \fi
10173 \ifdim\cuted@@tempdim@spread<\z@
10174 \if@leftcolumn@spread
10175 \if@rightcolumn@shrink
10176 \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10177 \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@sp
10178 \else
10179 \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\rela
10180 \fi
10181 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
10182 \ifnum\badness<\cuted@@column@badness
10183 \cuted@@tempdim@b=\cuted@@tempdim@a
10184 \cuted@@tempdim@spread=\z@
10185 \fi
10186 \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on
10187 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
10188 \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on
10189 \else
10190 \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{f%
10191 \unvcopy\cuted@@tempbox@c
10192 }%
10193 \ifnum\badness<\cuted@@column@badness
10194 \@tempdimb=\ht\cuted@@varbox@c
10195 \cuted@@tempdim@spread=\z@
10196 \fi
10197 \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\
10198 \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{f%
10199 \unvcopy\cuted@@varbox@c
10200 }%

```



```

10201             \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\
10202             \fi
10203         \else
10204             \if@right@column@shrink
10205                 \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10206                 \else
10207                     \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10208                     \cuted@@tempdim@spread=\z@
10209                 \fi
10210             \fi
10211         \fi
10212     \else
10213         \ifdim\cuted@@tempdim@spread>\z@
10214             \ifdim\dimexpr\@tempdimb+\p@\relax>\@colht
10215                 \cuted@@tempdim@b=\@colht
10216                 \cuted@@tempdim@spread=\z@
10217             \fi
10218         \fi
10219     \fi
10220 \ifdim\cuted@@tempdim@spread<\z@
10221     \advance\cuted@@tempdim@b 1\p@
10222 \repeat
10223 \wlog{CUTED [- LAST -]%
10224     ^^JExtra skip:\the\cuted@@tempdim@spread
10225     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10226     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10227     ^^JSplit:\saved@tempdimb
10228     ^^JOutput:\the\cuted@@tempdim@b
10229     ^^JPageshrink:\the\pageshrink
10230     ^^JPagestretch:\the\pagestretch
10231     ^^J@colht:\the\@colht
10232 }%
10233 %%
10234 %% final construction of the cuted page above strip
10235 %%
10236 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10237 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10238     \cuted@@tempdim@a=\dimexpr
10239     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10240     \relax
10241     \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10242     \unvbox\cuted@@tempbox@c
10243     \ifdim\cuted@@tempdim@spread>\dp\strutbox
10244     \else
10245         \vskip-\cuted@@tempdim@spread
10246     \fi
10247     \prevdepth\z@
10248     \hrule\@height\cuted@@page@rule width\textwidth
10249     \vskip-\cuted@@page@rule
10250     \ifdim\cuted@@tempdim@a>\z@
10251         \if@left@column@spread
10252         \else
10253             \vss
10254         \fi

```



```

10255     \else
10256         \ifdim\cuted@@tempdim@a<\z@
10257             \if@left@column@shrink
10258                 \else
10259                     \vss
10260                 \fi
10261             \fi
10262         \fi
10263     }%
10264 \wlog{CUTED [output]: \the\cuted@@tempdim@b
10265     ^^JCUTED [leftcolumn badness]: \number\badness
10266 }%
10267 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
10268     \cuted@@tempdim@a=\dimexpr
10269         \cuted@@tempdim@b-\ht\@holdpg
10270     \relax
10271     \unvbox\@holdpg
10272     \ifdim\cuted@@tempdim@a>\z@
10273         \if@right@column@spread
10274         \else
10275             \vss
10276         \fi
10277     \else
10278         \ifdim\cuted@@tempdim@a<\z@
10279             \if@right@column@shrink
10280                 \else
10281                     \vss
10282                 \fi
10283             \fi
10284         \fi
10285     }%
10286 \wlog{CUTED [rightcolumn badness]: \number\badness}%
10287 \setbox\cuted@@tempbox@var\vbox{%
10288     \hb@xt@\textwidth{%
10289         \if@RTLmain
10290             \hskip \columnwidth
10291             \hfil
10292             {\normalcolor\vrule \@width\columnseprule}%
10293             \hfil
10294             \hb@xt@\columnwidth{%
10295                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10296                 \hss
10297             }%
10298             \hskip -\textwidth
10299             \hb@xt@\columnwidth{%
10300                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10301                 \hss
10302             }%
10303             \hskip \columnsep
10304             \hskip \columnwidth
10305         \else
10306             \hb@xt@\columnwidth{%
10307                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10308                 \hss

```





```

10309         }%
10310         \hfil
10311         {\normalcolor\vrule \@width\columnseprule}%
10312         \hfil
10313         \hb@xt@\columnwidth{%
10314             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10315             \hss
10316         }%
10317     \fi
10318     }%
10319 }%
10320 %%
10321 %% finalize cuted page
10322 %%
10323 \ifvoid\hold@viper
10324     \global\setbox\hold@viper\vbox{%
10325         \unvbox\cuted@@tempbox@var
10326         \penalty\interlinepenalty
10327         \vskip\stripsep
10328         \the\preCutedStrip
10329         \ifnum\outputpenalty<-\@Mii
10330             \vskip -\parskip
10331         \fi
10332         \outputpenalty\z@
10333     }%
10334 \else
10335     \global\setbox\hold@viper\vbox{%
10336         \unvbox\hold@viper
10337         \cuted@@tempbox@var
10338         \penalty\interlinepenalty
10339         \vskip\stripsep
10340         \the\preCutedStrip
10341         \ifnum\outputpenalty<-\@Mii
10342             \vskip -\parskip
10343         \fi
10344         \outputpenalty\z@
10345     }%
10346 \fi
10347 \ifdim\@colht>\@reqcolroom
10348     \global\setbox\hold@viper\vbox{%
10349         \unvbox\hold@viper
10350         \box\@viper
10351         \penalty\interlinepenalty
10352         \the\postCutedStrip
10353         \vskip\stripsep
10354         \ifnum\outputpenalty<-\@Mii
10355             \vskip -\parskip
10356         \fi
10357         \outputpenalty\z@
10358     }%
10359 \@inserttrue
10360 \global\@firstcolumntrue
10361 \advance\ht@hold@viper by-\ht\hold@viper
10362 \global\advance\@colht by\ht@hold@viper

```



```

10363     \ifdim\@colht<2.5\baselineskip
10364         \latex@warning@no@line {Optional argument of \noexpand\twocolumn
10365                                 too tall on page \thepage (\var@thecol@num column)}%
10366         \@emptycol
10367         \if@firstcolumn
10368         \else
10369             \@emptycol
10370         \fi
10371         \global\@lastvipertrue
10372     \else
10373         \global\vsizel\@colht
10374         \global\@colroom\@colht
10375         \check@floats\cuted@@tempdim@a
10376         \ifdim\cuted@@tempdim@a>\z@
10377             \global\advance\@colroom by-\cuted@@tempdim@a
10378         \fi
10379         \ifdim\@colroom<\z@
10380             \global\@colroom1\p@
10381             \ifdim\cuted@@tempdim@a>\@colht
10382                 \latex@warning@no@line{TOP and/or BOT FLOAT's
10383                                         to large on \thepage (\var@thecol@num column)}%
10384             \fi
10385             \@emptycol
10386             \if@firstcolumn
10387             \else
10388                 \@emptycol
10389             \fi
10390             \global\@lastvipertrue
10391         \fi
10392     \fi
10393 \fi
10394 \if@insert
10395 \else
10396     \advance\ht@hold@viper by-\ht@hold@viper
10397     \global\advance\@colht by\ht@hold@viper
10398     \global\setbox\hold@viper\ vbox{%
10399         \unvbox\hold@viper
10400         \set@split@topskip to{\z@ plus2\p@}%
10401         \vsplit\@viper to\@colht
10402         \vss
10403     }%
10404     \vbox{}%
10405     \global\@firstcolumnfalse
10406     \newpage
10407 \fi
10408 }

```

## 76 File cvthemebidicasual.sty

```

10409 \NeedsTeXFormat{LaTeX2e}
10410 \ProvidesPackage{cvthemebidicasual}
10411 \DeclareOption{blue}{}
10412 \newif\if@colourorange\@colourorangefalse
10413 \DeclareOption{orange}{\@colourorange true}

```



```

10414 \newif\if@colourgreen\@colourgreenfalse
10415 \DeclareOption{green}{\@colourgreentruer}
10416 \newif\if@colouredred\@colouredredfalse
10417 \DeclareOption{red}{\@colouredredtrue}
10418 \newif\if@colourgrey\@colourgreyfalse
10419 \DeclareOption{grey}{\@colourgreytrue}
10420 \DeclareOption*{
10421   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
10422 \ExecuteOptions{colour}
10423 \ProcessOptions\relax
10424 \renewcommand*\listitemsymbol{\textbullet}
10425 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10426 \familynamecolour{808080}
10427 \firstnamecolour{A9A9A9}
10428 \quotecolour{696969}
10429 \addresscolour{696969}
10430 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10431 \sectiontitlecolour{1E90FF}
10432 \subsectioncolour{4682B4}
10433 \definecolor{rulecolour}{gray}{0.6}
10434 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10435 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10436 \if@colourorange
10437   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10438   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10439   \sectiontitlecolour{FF8C00}
10440   \subsectioncolour{FF8C00}
10441   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
10442   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10443 \if@colourgreen
10444   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10445   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10446   \sectiontitlecolour{008000}
10447   \subsectioncolour{008000}
10448   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
10449   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10450 \if@colouredred
10451   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10452   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10453   \sectiontitlecolour{FF0000}
10454   \subsectioncolour{FF0000}
10455   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
10456   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10457 \if@colourgrey
10458   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10459   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10460   \sectiontitlecolour{808080}
10461   \subsectioncolour{808080}
10462   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10463   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10464 \renewcommand*\ttdefault{pcr}
10465 \renewcommand*\{firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
10466 \renewcommand*\{familynamefont}{\firstnamefont}
10467 \renewcommand*\{addressfont}{\normalsize\mdseries\slshape}

```



```

10468 \renewcommand*\quotefont{\large\slshape}
10469 \renewcommand*\sectionfont{\Large\mdseries\upshape}
10470 \renewcommand*\subsectionfont{\large\mdseries\upshape}
10471 \renewcommand*\maketitle{%
10472   {%
10473     \ifthenelse{\isundefined{\@photo}}{%
10474       {}%
10475       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
10476     \hfill%
10477     \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}
10478     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
10479   \ifthenelse{\isundefined{\@quote}}{%
10480     {}%
10481     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
10482   }%
10483 \newif\if@firstfooterelement\@firstfooterelementtrue
10484 \providecommand*\footersymbol{}
10485 \renewcommand*\footersymbol{%
10486   \if@firstfooterelement%
10487   \else%
10488     { ~\color{footersymbolcolor}\textbullet~}\fi}
10489 \providecommand*\makefooter{}
10490 \renewcommand*\makefooter{%
10491   \fancypagestyle{plain}{%
10492     \fancyfoot[c]{%
10493       \parbox{0.8\textwidth}{%
10494         \centering%
10495         \addressfont\@addresscolour%
10496         \ifthenelse{\isundefined{\@address}}{}{}%
10497         \addresssymbol~\@address\\%
10498         \@firstfooterelementfalse}%
10499         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}
10500         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}
10501         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
10502         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emaillink{\@email}\@firstfooterelementfalse}
10503         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}
10504       }%
10505     \pagestyle{plain}}
10506 \AtBeginDocument{\makefooter}

```

## 77 File cvthemebidiclassic.sty

```

10507 \NeedsTeXFormat{LaTeX2e}
10508 \ProvidesPackage{cvthemebidiclassic}
10509 \DeclareOption{blue}{}
10510 \newif\if@colourorange\@colourorangefalse
10511 \DeclareOption{orange}{\@colourorange>true}
10512 \newif\if@colourgreen\@colourgreenfalse
10513 \DeclareOption{green}{\@colourgreentruer}
10514 \newif\if@colourred\@colourredfalse
10515 \DeclareOption{red}{\@colourredtrue}
10516 \newif\if@colourgrey\@colourgreyfalse
10517 \DeclareOption{grey}{\@colourgreytrue}
10518 \DeclareOption*{

```



```

10519 \PackageWarning{cvthemebidiclassic}{Unknown option '\CurrentOption'}}
10520 \ExecuteOptions{colour}
10521 \ProcessOptions\relax
10522 \renewcommand*{\listitemsymbol}{\textbullet}
10523 \firstnamecolour{}
10524 \familynamecolour{}
10525 \titlecolour{808080}
10526 \quotecolour{696969}
10527 \addresscolour{696969}
10528 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10529 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10530 \sectiontitlecolour{1E90FF}
10531 \subsectioncolour{4682B4}
10532 \if@colourorange
10533 \addresscolour{FF8C00}
10534 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10535 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10536 \sectiontitlecolour{FF8C00}
10537 \subsectioncolour{FF8C00}\fi
10538 \if@colourgreen
10539 \addresscolour{008000}
10540 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10541 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10542 \sectiontitlecolour{008000}
10543 \subsectioncolour{008000}\fi
10544 \if@colourred
10545 \addresscolour{FF0000}
10546 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10547 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10548 \sectiontitlecolour{FF0000}
10549 \subsectioncolour{FF0000}\fi
10550 \if@colourgrey
10551 \addresscolour{808080}
10552 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10553 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10554 \sectiontitlecolour{808080}
10555 \subsectioncolour{808080}\fi
10556 \renewcommand*{\ttdefault}{pcr}
10557 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10558 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
10559 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10560 \renewcommand*{\familynamefont}{\firstnamefont}
10561 \renewcommand*{\quotefont}{\large\slshape}
10562 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10563 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10564 \newlength{\maketitlenamemaxwidth}
10565 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
10566 \newlength{\maketitlenamefullwidth}
10567 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
10568 \newlength{\maketitlenamewidth}
10569 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}
10570 \newlength{\maketitlepicturewidth}
10571 \setlength{\maketitlepicturewidth}{\@photowidth}
10572 \newlength{\maketitledetailwidth}

```



```

10573 \renewcommand*{\recomputethemelengths}{%
10574   \setlength{\maketitledetailswidth}{\textwidth}%
10575   \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
10576   \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
10577   \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}}
10578 \recomputethemelengths
10579 \newif\if@firstdetailselement\@firstdetailselementtrue
10580 \newcommand*{\maketitledetailsnewline}{
10581   \if@firstdetailselement%
10582     \@firstdetailselementfalse%
10583   \else%
10584     \[.2em]\fi}
10585 \renewcommand*{\maketitle}{%
10586   % name and title
10587   \begin{minipage}[b]{\maketitlenamewidth}%
10588     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
10589     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
10590   \end{minipage}%
10591   % optional data
10592   \begin{minipage}[b]{\maketitledetailswidth}%
10593     \bidi@raggedleft\addressfont\addresscolour%
10594     \ifthenelse{\isundefined{\@address}}{\}%
10595     \maketitledetailsnewline%
10596     \addresssymbol~\@address%
10597     \ifthenelse{\isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
10598     \ifthenelse{\isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
10599     \ifthenelse{\isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
10600     \ifthenelse{\isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emailink{\@e
10601     \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
10602   \end{minipage}%
10603   % optional photo
10604   \ifthenelse{\isundefined{\@photo}}{\}%
10605   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
10606   % optional quote
10607   \ifthenelse{\isundefined{\@quote}}{\}%
10608   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\
10609   }
10610   }
10611 }

```

## 78 File dblfnote-xetex-bidi.def

```

10612 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
10613 \let\autofootnoterule\relax
10614 \let\rightfootnoterule\relax
10615 \let\leftfootnoterule\relax
10616 \let\textwidthfootnoterule\relax
10617 \let\LRfootnoterule\relax
10618 \def\footnoterule{\kern-3\p@
10619   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10620 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
10621 \let\@footnotetext\dfn@footnotetext}
10622 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
10623   \let\insert\dfn@gobble

```



```

10624 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10625 \def\@makefnmark{\smash{\dfn@makefnmark}}
10626 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10627 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10628 \ifdim\dfn@dima>z@\else
10629 \dfn@dima1sp\relax
10630 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10631 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10632 \ifvoid\dfn@ins\else
10633 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10634 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10635 \setbox\dfn@boxa\copy\dfn@ins
10636 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10637 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10638 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10639 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10640 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10641 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
10642 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10643 \long\def\dfn@RTLfootnotetext#1-{\setbox\dfn@boxa\vbox{
10644 \let\insert\dfn@gobble
10645 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10646 \def\@makefnmark{\smash{\dfn@makefnmark}}
10647 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10648 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10649 \ifdim\dfn@dima>z@\else
10650 \dfn@dima1sp\relax
10651 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10652 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10653 \ifvoid\dfn@ins\else
10654 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10655 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10656 \setbox\dfn@boxa\copy\dfn@ins
10657 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10658 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10659 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10660 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10661 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10662 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10663 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10664 \def\dfn@RTLmakecol{{\ifvoid\footins\else
10665 \dfn@dima\ht\footins
10666 \@tempcnta\z@ \dfn@countins
10667 \@tempdima\z@ \let\@elt\dfn@elt@getht
10668 \dfn@list\@nil
10669 \ifdim\@tempdima=\z@\else
10670 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10671 \global\setbox\dfn@ins\box\dfn@ins
10672 \@tempwattrue
10673 \ifdfn@trysingle
10674 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10675 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10676 \advance\@tempdima-\skip\footins
10677 \advance\@tempdima-\ht\dfn@boxa

```



```

10678         \ifdim\@tempdima<\z@\else \@tempswafalse
10679             \global\setbox\footins\ vbox{\boxmaxdepth\dfn\fnmaxdp
10680                 \footnoterule \unvbox\dfn@boxa}\fi\fi
10681     \if@tempswa
10682     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn\fnmaxdp\footnotesep
10683     \global\setbox\footins\ vbox{\hbox{%
10684         \hskip \DFNcolumnwidth
10685         \hskip\DFNcolumnsep
10686         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10687             \unvbox\dfn@boxb\vss}\hss}
10688         \hskip -\textwidth
10689         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10690             \vbox to\@tempdima{
10691                 \setbox\@tempboxa\vbox{\footnoterule}
10692                 \ifdfn@ruleboth \unvbox\@tempboxa
10693                 \else \@tempdima\ht\@tempboxa
10694                     \advance\@tempdima\dp\@tempboxa
10695                     \vskip\@tempdima
10696                     \prevdepth\dp\@tempboxa \fi
10697                 \unvbox\dfn@boxa\vss}\fi\hss}
10698                 \hskip \DFNcolumnsep
10699                 \hskip \DFNcolumnwidth}}\fi\fi
10700     \global\dfn\fnht\z@
10701     \ifx\dfn@list\@empty\else
10702         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10703         \dfn@list \global\advance\dfn\fnht\dfn@dimb
10704         \let\@elt\relax
10705         \ifdim\dfn@dimb>\z@
10706             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10707             \insert\footins{\floatingpenalty\@MM
10708                 \vbox to\dfn@dimb{}}\fi
10709         \ifdim\dfn\fnht>\@tempdima
10710             \@tempdimb\@tempdima \advance\@tempdimb-\dfn\fnht
10711             \global\dfn\fnht\@tempdima
10712             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10713             \xdef\dfn@afteroutput{\insert\footins{
10714                 \floatingpenalty\@MM
10715                 \vbox to\number\@tempdimb sp{}}}%
10716             \global\let\noexpand\dfn@afteroutput\relax}%
10717         \fi\fi
10718     \fi}%
10719     \let\footnoterule\relax \dfn@latex@makecol
10720     \let\footnoterule\dfn@footnoterule}
10721 \def\dfn@LTRmakecol{\ifvoid\footins\else
10722     \dfn@dima\ht\footins
10723     \@tempcnta\z@ \dfn@countins
10724     \@tempdima\z@ \let\@elt\dfn@elt@getht
10725     \dfn@list\@nil
10726     \ifdim\@tempdima=\z@\else
10727     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10728     \global\setbox\dfn@ins\box\dfn@ins
10729     \@tempswatrue
10730     \ifdfn@trysingle
10731         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom

```





```

10732         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10733         \advance\@tempdima-\skip\footins
10734         \advance\@tempdima-\ht\dfn@boxa
10735         \ifdim\@tempdima<\z@\else \@tempswafalse
10736             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10737                 \footnoterule \unvbox\dfn@boxa}\fi\fi
10738     \if@tempswa
10739     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10740     \global\setbox\footins\vbox{\hbox{%
10741         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10742             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
10743         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10744             \vbox to\@tempdima{
10745                 \setbox\@tempboxa\vbox{\footnoterule}
10746                 \ifdfn@ruleboth \unvbox\@tempboxa
10747                 \else \@tempdima\ht\@tempboxa
10748                     \advance\@tempdima\dp\@tempboxa
10749                     \vskip\@tempdima
10750                     \prevdepth\dp\@tempboxa \fi
10751                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
10752     \global\dfn@fnht\z@
10753     \ifx\dfn@list\@empty\else
10754         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10755         \dfn@list \global\advance\dfn@fnht\dfn@dimb
10756         \let\@elt\relax
10757         \ifdim\dfn@dimb>\z@
10758             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10759             \insert\footins{\floatingpenalty\@MM
10760                 \vbox to\dfn@dimb{}}\fi
10761         \ifdim\dfn@fnht>\@tempdima
10762             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10763             \global\dfn@fnht\@tempdima
10764             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10765             \xdef\dfn@afteroutput{\insert\footins{
10766                 \floatingpenalty\@MM
10767                 \vbox to\number\@tempdimb sp{}}%
10768             \global\let\noexpand\dfn@afteroutput\relax}%
10769         \fi\fi
10770     \fi}%
10771     \let\footnoterule\relax \dfn@latex@makecol
10772     \let\footnoterule\dfn@footnoterule}
10773 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
10774 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
10775 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
10776 \DFNalwaysdouble

```

## 79 File diagbox-xetex-bidi.def

```

10777 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package]
10778 \bidi@patchcmd{\diagbox@double}{%
10779     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10780 }{\bidi@@diagbox@double@ii}{-}{-}
10781 \bidi@patchcmd{\diagbox@double}{%
10782     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}

```



```

10783 }{\bidi@@diagbox@double@iii}{-}{-}
10784 \newcommand*{\bidi@@diagbox@double@ii}{%
10785   \if@RTL
10786     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
10787   \else
10788     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10789   \fi
10790 }
10791 \newcommand*{\bidi@@diagbox@double@iii}{%
10792   \if@RTL
10793     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
10794   \else
10795     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10796   \fi
10797 }
10798 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10799   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10800 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
10801 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10802   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10803 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
10804 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10805   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10806 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
10807 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
10808   \if@RTL
10809     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
10810   \else
10811     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10812   \fi}
10813 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
10814   \if@RTL
10815     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
10816   \else
10817     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10818   \fi}
10819 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
10820 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10821   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
10822 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
10823 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10824   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
10825 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
10826 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10827   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
10828 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
10829 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
10830   \if@RTL
10831     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}}
10832   \else
10833     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
10834   \fi
10835 }
10836 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%

```



```

10837 \if@RTL
10838   \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
10839   \else
10840   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}
10841   \fi
10842 }
10843 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
10844 \bidi@patchcmd{\diagbox@double@pict@SE}{%
10845   \diagbox@setlinecolor
10846   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
10847 }{%
10848   {\diagbox@setlinecolor
10849   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
10850 }{}
10851 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
10852 \bidi@patchcmd{\diagbox@double@pict@NE}{%
10853   \diagbox@setlinecolor
10854   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
10855 }{%
10856   {\diagbox@setlinecolor
10857   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
10858 }{}
10859 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
10860 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
10861   \diagbox@setlinecolor
10862   \Line(0,\yym)(\x,0)
10863   \Line(\xm,\y)(\x,0)%
10864 }{%
10865   {\diagbox@setlinecolor
10866   \Line(0,\yym)(\x,0)
10867   \Line(\xm,\y)(\x,0)}%
10868 }{}
10869 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
10870   \diagbox@setlinecolor
10871   \Line(0,0)(\xxm,\y)
10872   \Line(0,0)(\x,\yym)%
10873 }{%
10874   {\diagbox@setlinecolor
10875   \Line(0,0)(\xxm,\y)
10876   \Line(0,0)(\x,\yym)}%
10877 }{}
10878 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
10879   \diagbox@setlinecolor
10880   \Line(0,\ym)(\x,\y)
10881   \Line(\xm,0)(\x,\y)%
10882 }{%
10883   {\diagbox@setlinecolor
10884   \Line(0,\ym)(\x,\y)
10885   \Line(\xm,0)(\x,\y)}%
10886 }{}
10887 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
10888   \diagbox@setlinecolor
10889   \Line(0,\y)(\xxm,0)
10890   \Line(0,\y)(\x,\ym)%

```



```

10891 }{%
10892   {\diagbox@setlinecolor
10893     \Line(0,\y)(\xxm,0)
10894     \Line(0,\y)(\x,\ym)}%
10895 }{}{}

```

## 80 File draftwatermark-xetex-bidi.def

```

10896 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
10897 \renewcommand\SetWatermarkText[1]{%
10898   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

## 81 File eso-pic-xetex-bidi.def

```

10899 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
10900 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
10901   \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}
10902
10903 \ESO@isMEMOIR{%
10904   \renewcommand\AtTextUpperLeft[1]{%
10905     \begingroup
10906       \ifodd\c@page
10907         \if@RTLmain
10908           \ESO@tempdima=\paperwidth
10909           \advance\ESO@tempdima-\textwidth
10910           \advance\ESO@tempdima-\spinemargin
10911         \else
10912           \ESO@tempdima=\spinemargin
10913         \fi
10914       \else
10915         \if@RTLmain
10916           \ESO@tempdima=\spinemargin
10917         \else
10918           \ESO@tempdima=\paperwidth
10919           \advance\ESO@tempdima-\textwidth
10920           \advance\ESO@tempdima-\spinemargin
10921         \fi
10922       \fi
10923       \ESO@tempdimb=-\uppermargin
10924       \AtPageUpperLeft{%
10925         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
10926       }%
10927     \endgroup
10928   }
10929 }{%
10930   \renewcommand\AtTextUpperLeft[1]{%
10931     \begingroup
10932       \ESO@tempdima=1in\relax
10933       \if@twoside
10934         \ifodd\c@page
10935           \if@RTLmain
10936             \advance\ESO@tempdima\evensidemargin
10937           \else
10938             \advance\ESO@tempdima\oddsidemargin

```



```

10939     \fi
10940   \else
10941     \if@RTLmain
10942       \advance\ESO@tempdima\oddsidemargin
10943     \else
10944       \advance\ESO@tempdima\evensidemargin
10945     \fi
10946   \fi
10947 \else
10948   \advance\ESO@tempdima\oddsidemargin
10949 \fi
10950 \ESO@tempdimb=-1in\relax
10951 \advance\ESO@tempdimb-\topmargin
10952 \advance\ESO@tempdimb-\headheight
10953 \advance\ESO@tempdimb-\headsep
10954 \AtPageUpperLeft{%
10955   \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
10956 }%
10957 \endgroup
10958 }
10959 }

```

## 82 File empheq-xetex-bidi.def

```

10960 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
10961 \MHInternalSyntaxOn
10962 \def\EQ_tag_plus_endmark:{%
10963   \iftagsleft@
10964     \gdef\maketag@@@##1{%
10965       \hfuzz\displaywidth
10966       \if@RTL\makebox[\widthof{##1}][r]{%
10967         \hbox to \displaywidth{\m@th\normalfont##1\hss
10968           \raisebox[-\dp\EQ_mathdisplay_box
10969             -\depthof{\EQ_outerbox:}]{%
10970             {\PotEndMark{\hss}}}}
10971       \else\makebox[\widthof{##1}][l]{%
10972         \hbox to \displaywidth{\m@th\normalfont##1\hss
10973           \raisebox[-\dp\EQ_mathdisplay_box
10974             -\depthof{\EQ_outerbox:}]{%
10975             {\PotEndMark{\hss}}}}\fi}%
10976 \MH_else:
10977   \gdef\maketag@@@##1{%
10978     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
10979       \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
10980       \MH_addtolength:dn \@tempdima
10981         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
10982       \setlength{\@tempdimb}
10983         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
10984         +\depthof{\EQ_innerbox:}}}}
10985     \MH_if_dim:w \@tempdima>\@tempdimb
10986     \MH_setlength:dn \@tempdima[-\dp\EQ_mathdisplay_box
10987       -\@tempdima+\g_EQ_bottomrow_depth_dim}
10988     \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
10989   \def\EQ_next:{\raisebox{\@tempdima}}%

```



```

10990     \MH_else:
10991     \def\EQ_next:{
10992         \raisebox{-\dp\EQ_mathdisplay_box
10993             -\depthof{\EQ_outerbox:}}{}}%
10994     \MH_fi:\EQ_next:}}}%
10995 \MH_fi:}
10996 \def\EQ_post_process:{%
10997 \EQ_initialize:
10998 \EQ_begin_equation:
10999 \MH_if_boolean:nT {outer_mult}{
11000     \setkeys{\MT_options_name:}{
11001         firstline-afterskip=Opt,
11002         lastline-preskip=Opt,
11003         multlined-width=Opt,
11004     }
11005     \ifodd \l_EQ_alignmentmode_int
11006     \setkeys{\MT_options_name:}{multlined-pos=b}
11007     \MH_else:
11008     \setkeys{\MT_options_name:}{multlined-pos=t}
11009     \MH_fi:
11010     \g@addto@macro\EQ_complete_mathdisplay:{
11011         \begin{MTmultlined}\relax}
11012     }
11013     \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11014     \MH_if_boolean:nT {outer_mult}{
11015         \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
11016     }
11017 \EQ_end_equation:
11018 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11019 \savecounters@
11020 \EQ_typeset_tags:
11021 \edef\l_EQ_equation_fint{\number\c@equation}
11022 \restorecounters@
11023 \Hy@linkcounter=\EQ_hyperref_link_fint
11024 \settowidth\l_EQ_totalwidth_dim{%
11025     $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
11026 \MH_if_boolean:nTF {outer_mult}
11027     { \def\EQ_next:{_mult} }
11028     { \def\EQ_next:{} }
11029 \@nameuse{EQ_modify_linewidth_
11030     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11031 \EQ_typeset_display:
11032 \@nameuse{EQ_find_displaywidth_
11033     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11034 \MH_addtolength:dn
11035     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11036 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11037     $\EQ_left_side:
11038     \EQ_innerbox:{%
11039     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11040     \makebox[\l_EQ_displaywidth_dim][c]
11041     {\usebox{\EQ_mathdisplay_box}}}%
11042     \MH_or:
11043     \makebox[\l_EQ_displaywidth_dim][c]

```



```

11044         {\usebox{EQ_mathdisplay_box}}%
11045     \MH_or:
11046         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11047             \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11048                 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11049                     \kern-\@mathmargin
11050                 \MH_fi:
11051             \MH_fi:
11052             \usebox{EQ_mathdisplay_box}}%
11053         \else\makebox[\l_EQ_displaywidth_dim][l]{%
11054             \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11055                 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11056                     \kern-\@mathmargin
11057                 \MH_fi:
11058             \MH_fi:
11059             \usebox{EQ_mathdisplay_box}}\fi%
11060     \MH_or:
11061         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11062             \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11063                 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11064                     \kern-\@mathmargin
11065                 \MH_fi:
11066             \MH_fi:
11067             \usebox{EQ_mathdisplay_box}}
11068         \else\makebox[\l_EQ_displaywidth_dim][l]{%
11069             \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11070                 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11071                     \kern-\@mathmargin
11072                 \MH_fi:
11073             \MH_fi:
11074             \usebox{EQ_mathdisplay_box}}\fi%
11075     \MH_fi:}%
11076     \EQ_right_side:$}%
11077     \begin{AmSequation*}
11078     \@nameuse{EQ_place_display_
11079         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11080     \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11081     \MH_set_boolean_T:n {show_manual_tags}
11082     \MH_if_case:w \l_EQ_alignmentmode_int
11083     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
11084     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
11085     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
11086     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
11087     \MH_fi:
11088     \MH_fi:
11089     \end{AmSequation*}
11090     \global\c@equation=\l_EQ_equation_fint\relax
11091 }
11092 \AtBeginDocument{%
11093     \@ifpackageloaded{fancybox}{%
11094         \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11095         {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11096         \renewcommand*shadowbox{%
11097             \ifstar{\MH_set_boolean_T:n {shadowbox_star}

```



```

11098         \VerbBox\EQ_shadowbox:n}
11099         {\MH_set_boolean_F:n {shadowbox_star}
11100         \VerbBox\EQ_shadowbox:n}}
11101 \def\EQ_shadowbox:n #1{%
11102   \sbox{\z@}{\fbox{#1}}%
11103   \MH_if_boolean:nTF {shadowbox_star}{
11104     \MH_setlength:dn \@tempdima{\z@}%
11105   }{
11106     \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
11107   }
11108   \raisebox{\@tempdima}{%
11109     \if@RTL\makebox[\z@][r]{%
11110       \kern\shadowsize \textcolor{shadowcolor}{%
11111         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11112     }%
11113     \else\makebox[\z@][l]{%
11114       \kern\shadowsize \textcolor{shadowcolor}{%
11115         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11116     }\fi%
11117     \usebox\z@\textcolor{shadowcolor}{%
11118       \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
11119   }{}%
11120 }
11121 \MHInternalSyntaxOff

```

### 83 File extarticle-xetex-bidi.def

```

11122 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cla
11123 \renewcommand*\l@section[2]{%
11124   \ifnum \c@tocdepth >\z@
11125     \addpenalty\@secpenalty
11126     \addvspace{1.0em \@plus\p@}%
11127     \setlength\@tempdima{1.5em}%
11128     \begingroup
11129       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11130       \parfillskip -\@pnumwidth
11131       \leavevmode \bfseries
11132       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
11133       \hskip -\if@RTL\rightskip\else\leftskip\fi
11134       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11135     \endgroup
11136   \fi}
11137 \renewcommand*\l@part[2]{%
11138   \ifnum \c@tocdepth >-2\relax
11139     \addpenalty\@secpenalty
11140     \addvspace{2.25em \@plus\p@}%
11141     \begingroup
11142       \setlength\@tempdima{3em}%
11143       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11144       \parfillskip -\@pnumwidth
11145       {\leavevmode
11146         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11147       \nobreak
11148     \endgroup

```





```

11149 \fi}
11150 \def\@part[#1]#2{%
11151   \ifnum \c@secnumdepth >\m@ne
11152     \refstepcounter{part}%
11153     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
11154   \else
11155     \addcontentsline{toc}{part}{#1}%
11156   \fi
11157   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11158    \interlinepenalty \M
11159    \normalfont
11160    \ifnum \c@secnumdepth >\m@ne
11161      \Large\bfseries \partname~\thepart
11162      \par\nobreak
11163    \fi
11164    \huge \bfseries #2%
11165    \markboth{}{\par}%
11166    \nobreak
11167    \vskip 3ex
11168    \@afterheading}
11169 \def\@spart#1{%
11170   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11171    \interlinepenalty \M
11172    \normalfont
11173    \huge \bfseries #1\par}%
11174    \nobreak
11175    \vskip 3ex
11176    \@afterheading}
11177 \renewenvironment{thebibliography}[1]
11178   {\section*{\refname
11179    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11180    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11181    \bidi@thebibliography@font@hook%
11182    \list{\@biblabel{\@arabic\c@enumiv}}%
11183      {\settowidth\labelwidth{\@biblabel{#1}}%
11184       \leftmargin\labelwidth
11185       \advance\leftmargin\labelsep
11186       \@openbib@code
11187       \usecounter{enumiv}%
11188       \let\p@enumiv\@empty
11189       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11190    \sloppy\clubpenalty4000\widowpenalty4000%
11191    \sfcode\.\@m}
11192   {\def\@noitemerr
11193    {\@latex@warning{Empty `thebibliography' environment}}%
11194    \endlist}
11195 \renewcommand\left@footnoterule{%
11196   \kern-3\p@
11197   \hrule\@width.4\columnwidth
11198   \kern2.6\p@}
11199 \renewcommand\right@footnoterule{%
11200   \kern-3\p@
11201   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11202   \kern2.6\p@}

```



```

11203 \if@titlepage
11204 \renewcommand\maketitle{\begin{titlepage}%
11205 \let\footnotesize\small
11206 \let\right@footnoterule\relax
11207 \let\left@footnoterule\relax
11208 \let\textwidth@footnoterule\relax
11209 \let \footnote \thanks
11210 \null\vfil
11211 \vskip 60\p@
11212 \begin{center}%
11213 {\LARGE \@title \par}%
11214 \vskip 3em%
11215 {\large
11216 \lineskip .75em%
11217 \begin{tabular}[t]{c}%
11218 \@author
11219 \end{tabular}\par}%
11220 \vskip 1.5em%
11221 {\large \@date \par}% % Set date in \large size.
11222 \end{center}\par
11223 \@thanks
11224 \vfil\null
11225 \end{titlepage}%
11226 \setcounter{footnote}{0}%
11227 \global\let\thanks\relax
11228 \global\let\maketitle\relax
11229 \global\let\@thanks\@empty
11230 \global\let\@author\@empty
11231 \global\let\@date\@empty
11232 \global\let\@title\@empty
11233 \global\let\title\relax
11234 \global\let\author\relax
11235 \global\let\date\relax
11236 \global\let\and\relax
11237 }
11238 \else
11239 \renewcommand\maketitle{\par
11240 \begingroup
11241 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11242 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11243 \long\def\@makefntext##1{\parindent 1em\noindent
11244 \hb@xt@1.8em{%
11245 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11246 \if@twocolumn
11247 \ifnum \col@number=\@ne
11248 \@maketitle
11249 \else
11250 \twocolumn[\@maketitle]%
11251 \fi
11252 \else
11253 \newpage
11254 \global\@topnum\z@ % Prevents figures from going at top of page.
11255 \@maketitle
11256 \fi

```



```

11257 \thispagestyle{plain}\@thanks
11258 \endgroup
11259 \setcounter{footnote}{0}%
11260 \global\let\thanks\relax
11261 \global\let\maketitle\relax
11262 \global\let\@maketitle\relax
11263 \global\let\@thanks\@empty
11264 \global\let\@author\@empty
11265 \global\let\@date\@empty
11266 \global\let\@title\@empty
11267 \global\let\title\relax
11268 \global\let\author\relax
11269 \global\let\date\relax
11270 \global\let\and\relax
11271 }
11272 \def\@maketitle{%
11273 \newpage
11274 \null
11275 \vskip 2em%
11276 \begin{center}%
11277 \let \footnote \thanks
11278 {\LARGE \@title \par}%
11279 \vskip 1.5em%
11280 {\large
11281 \lineskip .5em%
11282 \begin{tabular}[t]{c}%
11283 \@author
11284 \end{tabular}\par}%
11285 \vskip 1em%
11286 {\large \@date}%
11287 \end{center}%
11288 \par
11289 \vskip 1.5em}
11290 \fi
11291 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11292 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11293 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11294 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

## 84 File extbook-xetex-bidi.def

```

11295 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
11296 \if@titlepage
11297 \renewcommand\maketitle{\begin{titlepage}%
11298 \let\footnotesize\small
11299 \let\right@footnoterule\relax
11300 \let\left@footnoterule\relax
11301 \let\textwidth@footnoterule\relax
11302 \let \footnote \thanks
11303 \let \LTRfootnote \LTRthanks
11304 \let \RTLfootnote \RTLthanks
11305 \null\vfil
11306 \vskip 60\p@
11307 \begin{center}%

```



```

11308   {\LARGE \@title \par}%
11309   \vskip 3em%
11310   {\large
11311     \lineskip .75em%
11312     \begin{tabular}[t]{c}%
11313       \@author
11314     \end{tabular}\par}%
11315     \vskip 1.5em%
11316     {\large \@date \par}%           % Set date in \large size.
11317 \end{center}\par
11318 \@thanks
11319 \vfil\null
11320 \end{titlepage}%
11321 \setcounter{footnote}{0}%
11322 \global\let\thanks\relax
11323 \global\let\LTRthanks\relax
11324 \global\let\RTLthanks\relax
11325 \global\let\maketitle\relax
11326 \global\let\@thanks\@empty
11327 \global\let\@author\@empty
11328 \global\let\@date\@empty
11329 \global\let\@title\@empty
11330 \global\let\title\relax
11331 \global\let\author\relax
11332 \global\let\date\relax
11333 \global\let\and\relax
11334 }
11335 \else
11336 \renewcommand\maketitle{\par
11337   \begingroup
11338     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11339     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11340     \long\def\@makefntext##1{\parindent 1em\noindent
11341       \hb@xt@1.8em{%
11342         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11343     \if@twocolumn
11344       \ifnum \col@number=\@one
11345         \@maketitle
11346       \else
11347         \twocolumn[\@maketitle]%
11348       \fi
11349     \else
11350       \newpage
11351       \global\@topnum\z@   % Prevents figures from going at top of page.
11352       \@maketitle
11353     \fi
11354     \thispagestyle{plain}\@thanks
11355   \endgroup
11356   \setcounter{footnote}{0}%
11357   \global\let\thanks\relax
11358   \global\let\LTRthanks\relax
11359   \global\let\RTLthanks\relax
11360   \global\let\maketitle\relax
11361   \global\let\@maketitle\relax

```



```

11362 \global\let\thanks\@empty
11363 \global\let\author\@empty
11364 \global\let\@date\@empty
11365 \global\let\@title\@empty
11366 \global\let\title\relax
11367 \global\let\author\relax
11368 \global\let\date\relax
11369 \global\let\and\relax
11370 }
11371 \def\@maketitle{%
11372 \newpage
11373 \null
11374 \vskip 2em%
11375 \begin{center}%
11376 \let \footnote \thanks
11377 \let \LTRfootnote \LTRthanks
11378 \let \RTLfootnote \RTLthanks
11379 {\LARGE \@title \par}%
11380 \vskip 1.5em%
11381 {\large
11382 \lineskip .5em%
11383 \begin{tabular}[t]{c}%
11384 \@author
11385 \end{tabular}\par}%
11386 \vskip 1em%
11387 {\large \@date}%
11388 \end{center}%
11389 \par
11390 \vskip 1.5em}
11391 \fi
11392 \renewcommand*\l@part[2]{%
11393 \ifnum \c@tocdepth >-2\relax
11394 \addpenalty{-\@highpenalty}%
11395 \addvspace{2.25em \@plus\p}%
11396 \begingroup
11397 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11398 \parfillskip -\@pnumwidth
11399 {\leavevmode
11400 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11401 \nobreak
11402 \global\@nobreaktrue
11403 \everypar{\global\@nobreakfalse\everypar{}}%
11404 \endgroup
11405 \fi}
11406 \renewcommand\theequation
11407 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11408 \renewcommand \thefigure
11409 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11410 \renewcommand \thetable
11411 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11412 \renewcommand \thechapter {\@arabic\c@chapter}
11413 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11414 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11415 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}

```



```

11416 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11417 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11418 \def\@makechapterhead#1{%
11419   \vspace*{50\p@}%
11420   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11421     \ifnum \c@secnumdepth >\m@ne
11422       \if@mainmatter
11423         \huge\bfseries \@chapapp\space \thechapter
11424         \par\nobreak
11425         \vskip 20\p@
11426       \fi
11427     \fi
11428     \interlinepenalty\@M
11429     \Huge \bfseries #1\par\nobreak
11430     \vskip 40\p@
11431   }}
11432
11433 \def\@makeschapterhead#1{%
11434   \vspace*{50\p@}%
11435   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11436     \normalfont
11437     \interlinepenalty\@M
11438     \Huge \bfseries #1\par\nobreak
11439     \vskip 40\p@
11440   }}
11441 \renewcommand\backmatter{%
11442   \if@openright
11443     \cleardoublepage
11444   \else
11445     \clearpage
11446   \fi
11447   \@mainmatterfalse}
11448 \renewenvironment{thebibliography}[1]
11449   {\chapter*{\bibname
11450     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
11451     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11452     \bidi@thebibliography@font@hook%
11453     \list{\@biblabel{\@arabic\c@enumiv}}%
11454       {\settowidth\labelwidth{\@biblabel{#1}}%
11455         \leftmargin\labelwidth
11456         \advance\leftmargin\labelsep
11457         \@openbib@code
11458         \usecounter{enumiv}%
11459         \let\p@enumiv\@empty
11460         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11461     \sloppy
11462     \clubpenalty4000
11463     \@clubpenalty \clubpenalty
11464     \widowpenalty4000%
11465     \sfcode`. \@m}
11466   {\def\@noitemerr
11467     {\@latex@warning{Empty `thebibliography' environment}}%
11468     \endlist}

```



## 85 File extletter-xetex-bidi.def

```
11469 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class
11470 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11471   \thispagestyle{firstpage}%
11472   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11473 \else % home address
11474   \thispagestyle{empty}%
11475   {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
11476   \fromaddress \*[2\parskip]%
11477   \@date \end{tabular}\par}%
11478 \fi
11479 \vspace{2\parskip}%
11480 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
11481 \vspace{2\parskip}%
11482 #1\par\nobreak}
11483 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
11484 \stopbreaks
11485 \noindent
11486 \ifx\@empty\fromaddress\else
11487 \hspace*{\longindentation}\fi
11488 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
11489   \ignorespaces #1\ [6\medskipamount]}
11490   \ifx\@empty\fromsig
11491     \fromname
11492   \else \fromsig \fi\strut}%
11493 \par}
11494 \renewcommand\left@footnoterule{%
11495 \kern-\p@
11496 \hrule \@width .4\columnwidth
11497 \kern .6\p@}
11498 \renewcommand\right@footnoterule{%
11499 \kern-\p@
11500 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11501 \kern .6\p@}
```

## 86 File extrafootnotefeatures-xetex-bidi.def

```
11502 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2023/08/02 v2.6 bidi extra footnote feat
11503 \newdimen\bidi@columnwidth
11504 \def\bidi@floathook{%
11505 \bidi@columnwidth\columnwidth
11506 }
11507 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
11508 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
11509 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
11510 \ifHy@hyperfootnotes
11511 \let\@H@footnotetext\@footnotetext
11512 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
11513 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
11514 \let\@H@mpfootnotetext\@mpfootnotetext
11515 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11516 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11517 \fi
```



```

11518 }%
11519 }%
11520 }
11521 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
11522 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{%
11523 \if@bidi@csundef{HLTR@LTRfootnotetext}{-}{%
11524 \ifHy@hyperfootnotes
11525 \let\H@footnotetext\@footnotetext
11526 \let\@footnotetext\@H@footnotetext
11527 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11528 \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
11529 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11530 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
11531 \let\H@mpfootnotetext\@mpfootnotetext
11532 \let\@mpfootnotetext\@H@mpfootnotetext
11533 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11534 \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
11535 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11536 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
11537 \fi
11538 }%
11539 }%
11540 }
11541 \let\autofooterule\relax
11542 \let\rightfootnoterule\relax
11543 \let\leftfootnoterule\relax
11544 \let\textwidthfootnoterule\relax
11545 \let\LRfootnoterule\relax
11546 \def\footnoterule{\kern-3\p@
11547 \hrule \@width \columnwidth \kern 2.6\p@}
11548 \newcommand{\@preamnormalfmt}{%
11549 \parindent 1em%
11550 \noindent
11551 }
11552 \newcommand{\@normalfootfmt}[1]{%
11553 \@preamnormalfmt
11554 \footfootmark
11555 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
11556 \@finalstrut\strutbox
11557 }
11558 \newcommand{\@normalRTLfootfmt}[1]{%
11559 \@preamnormalfmt
11560 \RTLfootfootmark
11561 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
11562 \@finalstrut\strutbox
11563 }
11564 \newcommand{\@normalLTRfootfmt}[1]{%
11565 \@preamnormalfmt
11566 \LTRfootfootmark
11567 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
11568 \@finalstrut\strutbox
11569 }
11570 \renewcommand{\@footnotetext}[1]{%
11571 \insert\footins{%

```





```

11572 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11573 \def\baselinestretch{\m@m@footnote@spacing}%
11574 \reset@font
11575 \foottextfont
11576 \@preamfntext
11577 \hsize\columnwidth
11578 \protected@edef\@currentlabel{%
11579 \csname p@footnote\endcsname\@thefnmark}%
11580 \color@begingroup
11581 \@normalfootfmt{#1}%
11582 \color@endgroup}%
11583 \m@mmf@prepare}
11584 \newcommand{\bidi@bidiold@footnotetext}[1]{%
11585 \bidi@step@absolute@footnote@count
11586 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11587 \insert\footins{%
11588 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11589 \def\baselinestretch{\m@m@footnote@spacing}%
11590 \reset@font
11591 \foottextfont
11592 \@preamfntext
11593 \hsize\columnwidth
11594 \protected@edef\@currentlabel{%
11595 \csname p@footnote\endcsname\@thefnmark}%
11596 \color@begingroup
11597 \@normalfootfmt{#1}%
11598 \color@endgroup}%
11599 \m@mmf@prepare
11600 }
11601 \renewcommand{\@RTLfootnotetext}[1]{%
11602 \insert\footins{%
11603 \@RTLtrue%
11604 \def\baselinestretch{\m@m@footnote@spacing}%
11605 \reset@font
11606 \RTLfoottextfont
11607 \@preamfntext
11608 \hsize\columnwidth
11609 \protected@edef\@currentlabel{%
11610 \csname p@footnote\endcsname\@thefnmark}%
11611 \color@begingroup
11612 \@normalRTLfootfmt{#1}%
11613 \color@endgroup}%
11614 \m@mmf@prepare}
11615 \newcommand{\bidi@bidiold@RTLfootnotetext}[1]{%
11616 \bidi@step@absolute@footnote@count
11617 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11618 \insert\footins{%
11619 \@RTLtrue%
11620 \def\baselinestretch{\m@m@footnote@spacing}%
11621 \reset@font
11622 \RTLfoottextfont
11623 \@preamfntext
11624 \hsize\columnwidth
11625 \protected@edef\@currentlabel{%

```



```

11626     \csname p@footnote\endcsname\@thefnmark}%
11627     \color@begingroup
11628     \@normalRTLfootfmt{#1}%
11629     \color@endgroup}%
11630     \m@mmf@prepare
11631 }
11632 \renewcommand{\@LTRfootnotetext}[1]{%
11633     \insert\footins{%
11634     \@RTLfalse%
11635     \def\baselinestretch{\m@m@footnote@spacing}%
11636     \reset@font
11637     \LTRfoottextfont
11638     \@preamftext
11639     \hsize\columnwidth
11640     \protected@edef\@currentlabel{%
11641     \csname p@footnote\endcsname\@thefnmark}%
11642     \color@begingroup
11643     \@normalLTRfootfmt{#1}%
11644     \color@endgroup}%
11645     \m@mmf@prepare}
11646 \renewcommand{\@mpfootnotetext}[1]{%
11647     \global\setbox\@mpfootins\vbox{%
11648     \unvbox\@mpfootins
11649     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
11650     \def\baselinestretch{\m@m@footnote@spacing}%
11651     \reset@font%
11652     \foottextfont \hsize\columnwidth \@parboxrestore
11653     \protected@edef\@currentlabel{%
11654     \csname p@mpfootnote\endcsname\@thefnmark}%
11655     \color@begingroup
11656     \@normalfootfmt{#1}%
11657     \color@endgroup}}
11658 \newcommand{\@bidi@bidiold@mpfootnotetext}[1]{%
11659     \@bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
11660     \global\setbox\@mpfootins\vbox{%
11661     \unvbox\@mpfootins
11662     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11663     \def\baselinestretch{\m@m@footnote@spacing}%
11664     \reset@font%
11665     \foottextfont \hsize\columnwidth \@parboxrestore
11666     \protected@edef\@currentlabel{%
11667     \csname p@mpfootnote\endcsname\@thefnmark}%
11668     \color@begingroup
11669     \@normalfootfmt{#1}%
11670     \color@endgroup}}
11671 \renewcommand{\@mpLTRfootnotetext}[1]{%
11672     \global\setbox\@mpfootins\vbox{%
11673     \unvbox\@mpfootins
11674     \@RTLfalse
11675     \def\baselinestretch{\m@m@footnote@spacing}%
11676     \reset@font%
11677     \LTRfoottextfont \hsize\columnwidth \@parboxrestore
11678     \protected@edef\@currentlabel{%
11679     \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

11680 \color@begingroup
11681   \@normalLTRfootfmt{#1}%
11682 \color@endgroup}}
11683 \renewcommand{\@mpRTLfootnotetext}[1]{%
11684   \global\setbox\@mpfootins\vbox{%
11685     \unvbox\@mpfootins
11686     \@RTLtrue
11687     \def\baselinestretch{\m@m@footnote@spacing}%
11688     \reset@font%
11689     \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11690     \protected@edef\@currentlabel{%
11691       \csname p@mpfootnote@endcsname\@thefnmark}%
11692   \color@begingroup
11693     \@normalRTLfootfmt{#1}%
11694   \color@endgroup}}
11695 \newcommand{\@bidi@bidiold@mpRTLfootnotetext}[1]{%
11696   \@bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
11697   \global\setbox\@mpfootins\vbox{%
11698     \unvbox\@mpfootins
11699     \@RTLtrue
11700     \def\baselinestretch{\m@m@footnote@spacing}%
11701     \reset@font%
11702     \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11703     \protected@edef\@currentlabel{%
11704       \csname p@mpfootnote@endcsname\@thefnmark}%
11705   \color@begingroup
11706     \@normalRTLfootfmt{#1}%
11707   \color@endgroup}}
11708 \let\m@mold@footnotetext\@footnotetext
11709 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
11710 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11711 \let\m@mold@mpfootnotetext\@mpfootnotetext
11712 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
11713 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
11714 \bidi@ensure@newcommand{\normalfootnotes}{%
11715   \@bidi@before@Hy@hyperfootnotes
11716   \let\@footnotetext\m@mold@footnotetext
11717   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
11718   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11719   \let\@mpfootnotetext\m@mold@mpfootnotetext
11720   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
11721   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
11722   \@bidi@after@Hy@hyperfootnotes
11723   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11724 }
11725 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
11726 \bidi@ensure@newcommand*\setSingleSpace}[1]{%
11727   \def\m@m@singlespace{#1}%
11728   \def\m@m@footnote@spacing{#1}%
11729   \def\m@m@float@spacing{#1} %
11730 }
11731 \setSingleSpace{1}
11732 \bidi@ensure@newcommand*\multiplefootnotemarker}{3sp}
11733 \bidi@ensure@newcommand*\m@m@mmf@prepare}{%

```



```

11734 \kern-\multiplefootnotemarker
11735 \kern\multiplefootnotemarker\relax}
11736 \bidi@ensure@newlength{footmarkwidth}
11737 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
11738 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
11739 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
11740 \bidi@ensure@newcommand{\footfootmark}{%
11741 \ifdim\footmarkwidth < \z@
11742 \llap{\hb@xt@ -\footmarkwidth{%
11743 \hss\normalfont\footscript{\@thefnmark}}%
11744 \hspace*{-\footmarkwidth}}}%
11745 \else
11746 \ifdim\footmarkwidth = \z@
11747 {\normalfont\footscript{\@thefnmark}}%
11748 \else
11749 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
11750 \fi
11751 \fi}
11752 \bidi@ensure@newcommand{\LTRfootfootmark}{%
11753 \ifdim\footmarkwidth < \z@
11754 \llap{\hb@xt@ -\footmarkwidth{%
11755 \hss\normalfont\LTRfootscript{\@thefnmark}}%
11756 \hspace*{-\footmarkwidth}}}%
11757 \else
11758 \ifdim\footmarkwidth = \z@
11759 {\normalfont\LTRfootscript{\@thefnmark}}%
11760 \else
11761 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
11762 \fi
11763 \fi}
11764 \bidi@ensure@newcommand{\RTLfootfootmark}{%
11765 \ifdim\footmarkwidth < \z@
11766 \llap{\hb@xt@ -\footmarkwidth{%
11767 \hss\normalfont\RTLfootscript{\@thefnmark}}%
11768 \hspace*{-\footmarkwidth}}}%
11769 \else
11770 \ifdim\footmarkwidth = \z@
11771 {\normalfont\RTLfootscript{\@thefnmark}}%
11772 \else
11773 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
11774 \fi
11775 \fi}
11776 \footmarkstyle{\textsuperscript{#1}}
11777 \LTRfootmarkstyle{\textsuperscript{#1}}
11778 \RTLfootmarkstyle{\textsuperscript{#1}}
11779 \newcommand*{\bidi@normal@footmarkwidth}{%
11780 \setlength{footmarkwidth}{1em plus .3em minus .3em}%
11781 }
11782 \newcommand*{\bidi@star@footmarkwidth}{%
11783 \setlength{footmarkwidth}{0em plus .3em minus .3em}%
11784 }
11785 \bidi@normal@footmarkwidth
11786 \bidi@ensure@newcommand{\m@mmdoextrafeet}{\extrafeetins}
11787 \bidi@ensure@newcommand*{\extrafeetins}{%

```



```

11788 \bidi@joinfootnotes\footinsv@r\@footstartv@r\@footgroupv@r
11789 \bidi@joinfootnotes\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11790 \bidi@joinfootnotes\@bidi@copyins@{\unvbox\@bidi@copyins@}%
11791 \extrafeetinshook}
11792 \bidi@ensure@newcommand{\extrafeetinshook}{%
11793 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
11794 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
11795 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
11796 \bidi@ensure@newlength{\footinsdim}
11797 \setlength{\footinsdim}{8in} % standard for \dimen\footins
11798 \bidi@ensure@newcommand{\@preamfntext}{%
11799 \interlinepenalty\interfootnotelinepenalty
11800 \floatingpenalty \@MM
11801 \splittopskip=\footnotesep
11802 \splitmaxdepth=\dp\strutbox
11803 \@parboxrestore}
11804 \def\bidi@ifmulticol#1#2{\@tempswafalse
11805 \ifnum\col@number>\@ne
11806 \ifnum\count\footins>1999 \@tempwattrue \fi
11807 \fi
11808 \if@tempswa #1\else #2\fi
11809 }
11810 \def\bidi@joinfootnotes#1#2#3{%
11811 \ifvoid#1
11812 \else
11813 \@tempskipa\skip#1%
11814 \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
11815 \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
11816 \bidi@removexfootskip
11817 \ifvoid\footins
11818 \global\setbox\footins\ vbox{#2#3}%
11819 \else
11820 \global\setbox\footins\ vbox{%
11821 \unvbox\footins
11822 \bidi@footskip
11823 #2#3%
11824 }%
11825 \fi
11826 \fi
11827 }
11828 \def\bidi@reinsertfootnote#1#2#3{%
11829 \ifvoid#1%
11830 \else
11831 \insert\footins{#2#3}%
11832 \fi
11833 }
11834 \def\bidi@joinmpfootnotes#1#2#3{%
11835 \ifvoid#1
11836 \else
11837 \@tempskipa\skip#1%
11838 \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
11839 \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
11840 \bidi@removexfootskip
11841 \ifvoid\@mpfootins

```



```

11842     \global\setbox\@mpfootins\vbox{#2#3}%
11843     \else
11844     \global\setbox\@mpfootins\vbox{%
11845         \unvbox\@mpfootins
11846         \bidi@footskip
11847         #2#3%
11848     }%
11849     \fi
11850 \fi
11851 }
11852 \newcount\bidi@absolute@page@count
11853 \bidi@absolute@page@count\@ne
11854 \newcount\bidi@absolute@footnote@count
11855 \bidi@AfterOutputBoxOutputPage{%
11856     \if@filesw
11857         \edef\@tempa{%
11858             \write\@auxout{%
11859                 \string\bidi@finalfootnoteperpage%
11860                 {\noexpand\number\noexpand\bidi@absolute@page@count}%
11861                 {\noexpand\number\noexpand\bidi@absolute@footnote@count}%
11862             }%
11863         }%
11864         \@tempa
11865     \fi
11866 }
11867 \bidi@AtEndOutputPage{%
11868     \global\advance\bidi@absolute@page@count\@ne
11869 }
11870 \newcommand*\bidi@finalfootnoteperpage}[2]{%
11871     \expandafter\gdef\csname bidi@currentpagefinalfootnote@#1\endcsname{#2}%
11872 }
11873 \newif\if@bidi@finalfootnoteperpage
11874 \newcommand{\bidi@ifafterfinalfootnoteperpage}[2]{%
11875     \if@bidi@csundef{bidi@currentpagefinalfootnote@@\number\bidi@absolute@page@count}{%
11876         \global\@bidi@finalfootnoteperpagetrue
11877     }{%
11878         \global\@bidi@finalfootnoteperpagefalse
11879     \ifnum\bidi@absolute@footnote@count=\bidi@csuse{bidi@currentpagefinalfootnote@@\number\bidi@absolute@footnote@count}
11880         #1%
11881     \else
11882         #2%
11883     \fi
11884 }%
11885 }
11886 \newcommand{\bidi@reinsertfinalfootnoteperpage}[3]{%
11887     \bidi@ifafterfinalfootnoteperpage{%
11888         \bidi@reinsertfootnote{#1}{#2}{#3}%
11889     }{%
11890     }%
11891 }
11892 \newcommand*\bidi@step@absolute@footnote@count}{%
11893     \global\advance\bidi@absolute@footnote@count\@ne
11894 }
11895 \bidi@AfterEndDocumentCheckLabelsRerun{%

```



```

11896 \if@bidi@finalfootnoteperpage
11897   \PackageWarningNoLine{bidi}{%
11898     The absolute final footnote is not
11899     known on every page of your
11900     document. Rerun TeX to get the
11901     absolute final footnote on every page
11902     of your document%
11903   }%
11904 \fi
11905 }
11906 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
11907   \extrafeetminihook}
11908 \bidi@ensure@newcommand{\extrafeetendmini}{%
11909 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
11910 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
11911   \extrafeetendminihook}
11912 \bidi@ensure@newcommand{\extrafeetendminihook}{%}
11913 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
11914 \def\endminipage{%
11915   \par
11916   \unskip
11917   \m@mdoextrafeetendmini
11918   \ifvoid\@mpfootins
11919   \else
11920     \vskip\skip\@mpfootins
11921     \normalcolor
11922     \footnoterule
11923     \unvbox\@mpfootins
11924   \fi
11925   \@minipagefalse
11926   \color@endgroup
11927   \egroup
11928   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11929 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
11930   \@namedef{@footstart#1}{%
11931     \leftskip=\z@
11932     \rightskip=\z@
11933     \parindent=\z@
11934   }%
11935 }
11936 \newinsert\footinsv@r
11937 \skip\footinsv@r\skip\footins
11938 \count\footinsv@r=1000 % no magnification
11939 \dimen\footinsv@r=\footinsdim
11940 \m@make@footstart{v@r}
11941 \newinsert\footinsv@l
11942 \skip\footinsv@l\skip\footins
11943 \count\footinsv@l=1000 % no magnification
11944 \dimen\footinsv@l=\footinsdim
11945 \m@make@footstart{v@l}
11946 \bidi@ensure@newcommand{\@footgroupv@r}{%}
11947 \newinsert\@mpfootinsv@r
11948 \skip\@mpfootinsv@r\skip\@mpfootins
11949 \newinsert\@mpfootinsv@l

```



```

11950 \skip\@mpfootinsv@1\skip\@mpfootins
11951 \bidi@ensure@newcommand{\mp@footgroupv@r}{ }
11952 \newcount\m@m@k \newdimen\m@m@h
11953 \bidi@ensure@newcommand*\m@m@rigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
11954 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
11955 \valign{##\vfill\cr\m@m@dosplits}\endR}}
11956 \newcommand*\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
11957 \@@line{\beginL\splittopskip=\m@m@h \vbadness=\@M \hfilneg
11958 \valign{##\vfill\cr\m@m@dosplits}\endL}}
11959 \bidi@ensure@newcommand*\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
11960 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
11961 \bidi@ensure@newcommand*\m@m@splitoff}{\dimen0=\ht0
11962 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
11963 \setbox2 \vsplit0 to \dimen0
11964 \unvbox2 }
11965 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
11966 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11967 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
11968 \@bidi@before@Hy@hyperfootnotes
11969 \let\@footnotetext\@twocolfootnotetext
11970 \let\@LTRfootnotetext\@twocolLTRfootnotetext
11971 \let\@RTLfootnotetext\@twocolRTLfootnotetext
11972 \dimen\footinsv@r=2\footinsdim
11973 \count\footinsv@r=500\relax
11974 \m@make@twocol@footgroup{v@r}%
11975 \let\@footgroupv@r\@twocol@footgroupv@r
11976 \dimen\footinsv@l=2\footinsdim
11977 \count\footinsv@l=500\relax
11978 \bidi@make@twocol@LTRfootgroup{v@l}%
11979 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
11980 \let\@mpfootnotetext\@mptwocolfootnotetext
11981 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
11982 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
11983 \@bidi@after@Hy@hyperfootnotes
11984 \m@make@mptwocol@footgroup{v@r}%
11985 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
11986 \bidi@make@mptwocol@LTRfootgroup{v@l}%
11987 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
11988 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11989 }
11990 \newcommand{\TwoColumnFootnotes}{%
11991 \@namedef{foottextfontv@r}{\foottextfont}%
11992 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
11993 \@bidi@before@Hy@hyperfootnotes
11994 \let\@footnotetext\@TwoColfootnotetext
11995 \let\@LTRfootnotetext\@TwoColLTRfootnotetext
11996 \let\@RTLfootnotetext\@TwoColRTLfootnotetext
11997 \dimen\footinsv@r=2\footinsdim
11998 \count\footinsv@r=500\relax
11999 \m@make@twocol@footgroup{v@r}%
12000 \let\@footgroupv@r\@twocol@footgroupv@r
12001 \dimen\footinsv@l=2\footinsdim
12002 \count\footinsv@l=500\relax
12003 \bidi@make@twocol@LTRfootgroup{v@l}%

```





```

12004 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12005 \let\@mpfootnotetext\@mpTwoColfootnotetext
12006 \let\@mpLTRfootnotetext\@mpTwoColLTRfootnotetext
12007 \let\@mpRTLfootnotetext\@mpTwoColRTLfootnotetext
12008 \@bidi@after@Hy@hyperfootnotes
12009 \m@make@emptwocol@footgroup{v@r}%
12010 \let\mp@footgroupv@r\@emptwocol@footgroupv@r
12011 \bidi@make@emptwocol@LTRfootgroup{v@l}%
12012 \let\mp@LTRfootgroupv@l\@emptwocol@LTRfootgroupv@l
12013 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12014 }
12015 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert
12016 \ifRTL@footnote
12017 \footinsv@r
12018 \else
12019 \footinsv@l
12020 \fi
12021 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12022 \def\baselinestretch{\m@footnote@spacing}%
12023 \reset@font\foottextfont
12024 \@preamfntext
12025 \protected@edef\@currentlabel{%
12026 \csname p@footnote\endcsname\@thefnmark}%
12027 \color@begingroup
12028 \@twocolfootfmt{#1}%
12029 \color@endgroup}%
12030 \m@mmf@prepare}
12031 \newcommand{\@TwoColfootnotetext}[1]{%
12032 \bidi@step@absolute@footnote@count
12033 \ifRTL@footnote
12034 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12035 \else
12036 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12037 \fi
12038 \global\setbox
12039 \ifRTL@footnote
12040 \footinsv@r
12041 \else
12042 \footinsv@l
12043 \fi
12044 \vbox{%
12045 \unvbox
12046 \ifRTL@footnote
12047 \footinsv@r
12048 \else
12049 \footinsv@l
12050 \fi
12051 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12052 \def\baselinestretch{\m@footnote@spacing}%
12053 \reset@font\foottextfont
12054 \@preamfntext
12055 \protected@edef\@currentlabel{%
12056 \csname p@footnote\endcsname\@thefnmark}%
12057 \color@begingroup

```



```

12058   \@twocolfootfmt{#1}%
12059 \color@endgroup}%
12060 \m@mmf@prepare
12061 \if@RTL@footnote
12062   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12063 \else
12064   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12065 \fi
12066 }
12067 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12068 \def\baselinestretch{\m@mmf@footnote@spacing}%
12069 \reset@font\LTRfoottextfont
12070 \@preamfntext
12071 \protected@edef\@currentlabel{%
12072   \csname p@footnote\endcsname\@thefnmark}%
12073 \color@begingroup
12074   \@twocolLTRfootfmt{#1}%
12075 \color@endgroup}%
12076 \m@mmf@prepare}
12077 \newcommand{\@TwoColLTRfootnotetext}[1]{%
12078 \bidi@step@absolute@footnote@count
12079 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12080 \global\setbox\footinsv@l\vbox{%
12081 \unvbox\footinsv@l
12082 \@RTLfalse
12083 \def\baselinestretch{\m@mmf@footnote@spacing}%
12084 \reset@font\LTRfoottextfont
12085 \@preamfntext
12086 \protected@edef\@currentlabel{%
12087   \csname p@footnote\endcsname\@thefnmark}%
12088 \color@begingroup
12089   \@twocolLTRfootfmt{#1}%
12090 \color@endgroup}%
12091 \m@mmf@prepare
12092 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12093 }
12094 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12095 \def\baselinestretch{\m@mmf@footnote@spacing}%
12096 \reset@font\RTLfoottextfont
12097 \@preamfntext
12098 \protected@edef\@currentlabel{%
12099   \csname p@footnote\endcsname\@thefnmark}%
12100 \color@begingroup
12101   \@twocolRTLfootfmt{#1}%
12102 \color@endgroup}%
12103 \m@mmf@prepare}
12104 \newcommand{\@TwoColRTLfootnotetext}[1]{%
12105 \bidi@step@absolute@footnote@count
12106 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@LTRfootgroupv@l
12107 \global\setbox\footinsv@r\vbox{%
12108 \unvbox\footinsv@r
12109 \@RTLtrue
12110 \def\baselinestretch{\m@mmf@footnote@spacing}%
12111 \reset@font\RTLfoottextfont

```



```

12112 \@preamfntext
12113 \protected@edef\@currentlabel{%
12114   \csname p@footnote\endcsname\@thefnmark}%
12115 \color@begingroup
12116   \@twocolRTLfootfmt{#1}%
12117 \color@endgroup}%
12118 \m@mmf@prepare
12119 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12120 }
12121 \bidi@ensure@newcommand{\@preamtwofmt}{%
12122   \hspace .45\hspace
12123   \parindent=\z@
12124   \tolerance=5000\relax
12125   \leavevmode}
12126 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
12127   \@preamtwofmt
12128   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12129 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
12130   \@preamtwofmt
12131   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12132 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12133   \@preamtwofmt
12134   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12135 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12136   \global\setbox
12137     \if@RTL@footnote
12138     \@mpfootinsv@r
12139   \else
12140     \@mpfootinsv@l
12141   \fi
12142   \vbox{%
12143     \unvbox
12144     \if@RTL@footnote
12145     \@mpfootinsv@r
12146   \else
12147     \@mpfootinsv@l
12148   \fi
12149   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12150   \def\baselinestretch{\m@m@footnote@spacing}%
12151   \reset@font\foottextfont
12152   \hspace\columnwidth \@parboxrestore
12153   \protected@edef\@currentlabel{%
12154     \csname p@mpfootnote\endcsname\@thefnmark}%
12155   \color@begingroup
12156     \@twocolfootfmt{#1}%
12157   \color@endgroup}%
12158   \m@mmf@prepare}
12159 \newcommand{\@mpTwoColfootnotetext}[1]{%
12160   \if@RTL@footnote
12161     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12162   \else
12163     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12164   \fi
12165   \global\setbox

```



```

12166 \ifRTL@footnote
12167 \@mpfootinsv@r
12168 \else
12169 \@mpfootinsv@l
12170 \fi
12171 \vbox{%
12172 \unvbox
12173 \ifRTL@footnote
12174 \@mpfootinsv@r
12175 \else
12176 \@mpfootinsv@l
12177 \fi
12178 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12179 \def\baselinestretch{\m@m@footnote@spacing}%
12180 \reset@font\foottextfont
12181 \hsize\columnwidth \@parboxrestore
12182 \protected@edef\@currentlabel{%
12183 \csname p@mpfootnote\endcsname\@thefnmark}%
12184 \color@begingroup
12185 \@twocolfootfmt{#1}%
12186 \color@endgroup}%
12187 \m@mmf@prepare}
12188 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12189 \global\setbox\@mpfootinsv@l\vbox{%
12190 \unvbox\@mpfootinsv@l
12191 \@RTLfalse
12192 \def\baselinestretch{\m@m@footnote@spacing}%
12193 \reset@font\LTRfoottextfont
12194 \hsize\columnwidth \@parboxrestore
12195 \protected@edef\@currentlabel{%
12196 \csname p@mpfootnote\endcsname\@thefnmark}%
12197 \color@begingroup
12198 \@twocolLTRfootfmt{#1}%
12199 \color@endgroup}%
12200 \m@mmf@prepare}
12201 \newcommand{\@mpTwoCollTRfootnotetext}[1]{%
12202 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12203 \global\setbox\@mpfootinsv@l\vbox{%
12204 \unvbox\@mpfootinsv@l
12205 \@RTLfalse
12206 \def\baselinestretch{\m@m@footnote@spacing}%
12207 \reset@font\LTRfoottextfont
12208 \hsize\columnwidth \@parboxrestore
12209 \protected@edef\@currentlabel{%
12210 \csname p@mpfootnote\endcsname\@thefnmark}%
12211 \color@begingroup
12212 \@twocolLTRfootfmt{#1}%
12213 \color@endgroup}%
12214 \m@mmf@prepare}
12215 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
12216 \global\setbox\@mpfootinsv@r\vbox{%
12217 \unvbox\@mpfootinsv@r
12218 \@RTLtrue
12219 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12220 \reset@font\RTLfoottextfont
12221 \hsize\columnwidth \@parboxrestore
12222 \protected@edef\@currentlabel{%
12223 \csname p@mpfootnote\endcsname\@thefnmark}%
12224 \color@begingroup
12225 \@twocolRTLfootfmt{#1}%
12226 \color@endgroup}%
12227 \m@mmf@prepare}
12228 \newcommand{\@mpTwoColRTLfootnotetext}[1]{%
12229 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12230 \global\setbox\@mpfootinsv@r\vbox{%
12231 \unvbox\@mpfootinsv@r
12232 \@RTLtrue
12233 \def\baselinestretch{\m@m@footnote@spacing}%
12234 \reset@font\RTLfoottextfont
12235 \hsize\columnwidth \@parboxrestore
12236 \protected@edef\@currentlabel{%
12237 \csname p@mpfootnote\endcsname\@thefnmark}%
12238 \color@begingroup
12239 \@twocolRTLfootfmt{#1}%
12240 \color@endgroup}%
12241 \m@mmf@prepare}
12242 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
12243 \@namedef{@twocol@footgroup#1}{%
12244 \def\baselinestretch{\m@m@footnote@spacing}%
12245 \hsize\bidi@columnwidth
12246 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12247 \m@r rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12248 \newcommand{\bidi@make@twocol@LTRfootgroup}[1]{%
12249 \@namedef{@twocol@LTRfootgroup#1}{%
12250 \def\baselinestretch{\m@m@footnote@spacing}%
12251 \hsize\bidi@columnwidth
12252 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12253 \bidi@LTR rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12254 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
12255 \@namedef{@mptwocol@footgroup#1}{%
12256 \def\baselinestretch{\m@m@footnote@spacing}%
12257 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12258 \m@r rigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
12259 \newcommand{\bidi@make@mptwocol@LTRfootgroup}[1]{%
12260 \@namedef{@mptwocol@LTRfootgroup#1}{%
12261 \def\baselinestretch{\m@m@footnote@spacing}%
12262 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12263 \bidi@LTR rigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
12264 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12265 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12266 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12267 \@bidi@before@Hy@hyperfootnotes
12268 \let\@footnotetext\@threecolfootnotetext
12269 \let\@LTRfootnotetext\@threecolLTRfootnotetext
12270 \let\@RTLfootnotetext\@threecolRTLfootnotetext
12271 \dimen\footinsv@r=3\footinsdim
12272 \count\footinsv@r=333\relax
12273 \m@make@threecol@footgroup{v@r}%

```



```

12274 \let\@footgroupv@r\@threecol@footgroupv@r
12275 \dimen\footinsv@l=3\footinsdim
12276 \count\footinsv@l=333\relax
12277 \bidi@make@threecol@LTRfootgroup{v@l}%
12278 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12279 \let\@mpfootnotetext\@mpthreecolfootnotetext
12280 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
12281 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
12282 \@bidi@after@Hy@hyperfootnotes
12283 \m@make@mpthreecol@footgroup{v@r}%
12284 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12285 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12286 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12287 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12288 }
12289 \newcommand{\ThreeColumnFootnotes}{%
12290 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12291 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12292 \@bidi@before@Hy@hyperfootnotes
12293 \let\@footnotetext\@ThreeColfootnotetext
12294 \let\@LTRfootnotetext\@ThreeColLTRfootnotetext
12295 \let\@RTLfootnotetext\@ThreeColRTLfootnotetext
12296 \dimen\footinsv@r=3\footinsdim
12297 \count\footinsv@r=333\relax
12298 \m@make@threecol@footgroup{v@r}%
12299 \let\@footgroupv@r\@threecol@footgroupv@r
12300 \dimen\footinsv@l=3\footinsdim
12301 \count\footinsv@l=333\relax
12302 \bidi@make@threecol@LTRfootgroup{v@l}%
12303 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12304 \let\@mpfootnotetext\@mpThreeColfootnotetext
12305 \let\@mpLTRfootnotetext\@mpThreeColLTRfootnotetext
12306 \let\@mpRTLfootnotetext\@mpThreeColRTLfootnotetext
12307 \@bidi@after@Hy@hyperfootnotes
12308 \m@make@mpthreecol@footgroup{v@r}%
12309 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12310 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12311 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12312 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12313 }
12314 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12315 \if@RTL@footnote
12316 \footinsv@r
12317 \else
12318 \footinsv@l
12319 \fi
12320 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12321 \def\baselinestretch{\m@f@footnote@spacing}%
12322 \reset@font\foottextfont
12323 \@preamfntext
12324 \protected@edef\@currentlabel{%
12325 \csname p@footnote\endcsname\@thefnmark}%
12326 \color@begingroup
12327 \@threecolfootfmt{#1}%

```



```

12328 \color@endgroup}\m@mmf@prepare}
12329 \newcommand{\@ThreeColfootnotetext}[1]{%
12330 \bidi@step@absolute@footnote@count
12331 \if@RTL@footnote
12332 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12333 \else
12334 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12335 \fi
12336 \global\setbox
12337 \if@RTL@footnote
12338 \footinsv@r
12339 \else
12340 \footinsv@l
12341 \fi
12342 \vbox{%
12343 \unvbox
12344 \if@RTL@footnote
12345 \footinsv@r
12346 \else
12347 \footinsv@l
12348 \fi
12349 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12350 \def\baselinestretch{\m@m@footnote@spacing}%
12351 \reset@font\foottextfont
12352 \@preamfntext
12353 \protected@edef\@currentlabel{%
12354 \csname p@footnote\endcsname\@thefnmark}%
12355 \color@begingroup
12356 \@threecolfootfmt{#1}%
12357 \color@endgroup}\m@mmf@prepare
12358 \if@RTL@footnote
12359 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12360 \else
12361 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12362 \fi
12363 }
12364 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12365 \def\baselinestretch{\m@m@footnote@spacing}%
12366 \reset@font\LTRfoottextfont
12367 \@preamfntext
12368 \protected@edef\@currentlabel{%
12369 \csname p@footnote\endcsname\@thefnmark}%
12370 \color@begingroup
12371 \@threecolLTRfootfmt{#1}%
12372 \color@endgroup}\m@mmf@prepare}
12373 \newcommand{\@ThreeColLTRfootnotetext}[1]{%
12374 \bidi@step@absolute@footnote@count
12375 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12376 \global\setbox\footinsv@l\vbox{%
12377 \unvbox\footinsv@l
12378 \@RTLfalse
12379 \def\baselinestretch{\m@m@footnote@spacing}%
12380 \reset@font\LTRfoottextfont
12381 \@preamfntext

```



```

12382 \protected@edef\@currentlabel{%
12383   \csname p@footnote\endcsname\@thefnmark}%
12384 \color@begingroup
12385   \@threecolLTRfootfmt{#1}%
12386 \color@endgroup}\m@mmf@prepare
12387 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12388 }
12389 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12390 \def\baselinestretch{\m@mm@footnote@spacing}%
12391 \reset@font\RTLfoottextfont
12392 \@preamftext
12393 \protected@edef\@currentlabel{%
12394   \csname p@footnote\endcsname\@thefnmark}%
12395 \color@begingroup
12396   \@threecolRTLfootfmt{#1}%
12397 \color@endgroup}\m@mmf@prepare}
12398 \newcommand{\@ThreeColRTLfootnotetext}[1]{%
12399 \bidi@step@absolutefootnote@count
12400 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12401 \global\setbox\footinsv@r\vbox{%
12402 \unvbox\footinsv@r
12403 \@RTLtrue
12404 \def\baselinestretch{\m@mm@footnote@spacing}%
12405 \reset@font\RTLfoottextfont
12406 \@preamftext
12407 \protected@edef\@currentlabel{%
12408   \csname p@footnote\endcsname\@thefnmark}%
12409 \color@begingroup
12410   \@threecolRTLfootfmt{#1}%
12411 \color@endgroup}\m@mmf@prepare
12412 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12413 }
12414 \bidi@ensure@newcommand{\@preamthreelfmt}{%
12415 \hspace .3\hspace
12416 \parindent=\z@
12417 \tolerance=5000\relax
12418 \leavevmode}
12419 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12420 \@preamthreelfmt
12421 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12422 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12423 \@preamthreelfmt
12424 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12425 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
12426 \@preamthreelfmt
12427 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12428 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12429 \global\setbox
12430   \if@RTL@footnote
12431   \@mpfootinsv@r
12432 \else
12433   \@mpfootinsv@l
12434 \fi
12435 \vbox{%

```





```

12436 \unvbox
12437 \if@RTL@footnote
12438 \@mpfootinsv@r
12439 \else
12440 \@mpfootinsv@l
12441 \fi
12442 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12443 \def\baselinestretch{\m@m@footnote@spacing}%
12444 \reset@font\foottextfont
12445 \hsize\columnwidth \@parboxrestore
12446 \protected@edef\@currentlabel{%
12447 \csname p@mpfootnote\endcsname\@thefnmark}%
12448 \color@begingroup
12449 \@threecolfootfmt{#1}%
12450 \color@endgroup}\m@mmf@prepare}
12451 \newcommand{\@mpThreeColFootnotetext}[1]{%
12452 \if@RTL@footnote
12453 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12454 \else
12455 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12456 \fi
12457 \global\setbox
12458 \if@RTL@footnote
12459 \@mpfootinsv@r
12460 \else
12461 \@mpfootinsv@l
12462 \fi
12463 \vbox{%
12464 \unvbox
12465 \if@RTL@footnote
12466 \@mpfootinsv@r
12467 \else
12468 \@mpfootinsv@l
12469 \fi
12470 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12471 \def\baselinestretch{\m@m@footnote@spacing}%
12472 \reset@font\foottextfont
12473 \hsize\columnwidth \@parboxrestore
12474 \protected@edef\@currentlabel{%
12475 \csname p@mpfootnote\endcsname\@thefnmark}%
12476 \color@begingroup
12477 \@threecolfootfmt{#1}%
12478 \color@endgroup}\m@mmf@prepare}
12479 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
12480 \global\setbox\@mpfootinsv@l\vbox{%
12481 \unvbox\@mpfootinsv@l
12482 \@RTLfalse
12483 \def\baselinestretch{\m@m@footnote@spacing}%
12484 \reset@font\LTRfoottextfont
12485 \hsize\columnwidth \@parboxrestore
12486 \protected@edef\@currentlabel{%
12487 \csname p@mpfootnote\endcsname\@thefnmark}%
12488 \color@begingroup
12489 \@threecolLTRfootfmt{#1}%

```



```

12490 \color@endgroup}\m@mmf@prepare}
12491 \newcommand{\@mpThreeColLTRfootnotetext}[1]{%
12492 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12493 \global\setbox\@mpfootinsv@l\vbox{%
12494 \unvbox\@mpfootinsv@l
12495 \RTLfalse
12496 \def\baselinestretch{\m@m@footnote@spacing}%
12497 \reset@font\LTRfoottextfont
12498 \hsize\columnwidth \@parboxrestore
12499 \protected@edef\@currentlabel{%
12500 \csname p@mpfootnote\endcsname\@thefnmark}%
12501 \color@begingroup
12502 \@threecolLTRfootfmt{#1}%
12503 \color@endgroup}\m@mmf@prepare}
12504 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
12505 \global\setbox\@mpfootinsv@r\vbox{%
12506 \unvbox\@mpfootinsv@r
12507 \RTLtrue
12508 \def\baselinestretch{\m@m@footnote@spacing}%
12509 \reset@font\RTLfoottextfont
12510 \hsize\columnwidth \@parboxrestore
12511 \protected@edef\@currentlabel{%
12512 \csname p@mpfootnote\endcsname\@thefnmark}%
12513 \color@begingroup
12514 \@threecolRTLfootfmt{#1}%
12515 \color@endgroup}\m@mmf@prepare}
12516 \newcommand{\@mpThreeColRTLfootnotetext}[1]{%
12517 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12518 \global\setbox\@mpfootinsv@r\vbox{%
12519 \unvbox\@mpfootinsv@r
12520 \RTLtrue
12521 \def\baselinestretch{\m@m@footnote@spacing}%
12522 \reset@font\RTLfoottextfont
12523 \hsize\columnwidth \@parboxrestore
12524 \protected@edef\@currentlabel{%
12525 \csname p@mpfootnote\endcsname\@thefnmark}%
12526 \color@begingroup
12527 \@threecolRTLfootfmt{#1}%
12528 \color@endgroup}\m@mmf@prepare}
12529 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12530 \@namedef{@threecol@footgroup#1}{%
12531 \def\baselinestretch{\m@m@footnote@spacing}%
12532 \hsize\bidi@columnwidth
12533 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12534 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@}{\splittopskip}}}}
12535 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12536 \@namedef{@threecol@LTRfootgroup#1}{%
12537 \def\baselinestretch{\m@m@footnote@spacing}%
12538 \hsize\bidi@columnwidth
12539 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12540 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@}{\splittopskip}}}}
12541 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12542 \@namedef{@mpthreecol@footgroup#1}{%
12543 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12544 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12545 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@}{\splittopskip}}}}
12546 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12547 \@namedef{mpthreecol@LTRfootgroup#1}{%
12548 \def\baselinestretch{\m@tfootnote@spacing}%
12549 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12550 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\thr@}{\splittopskip}}}}
12551 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12552 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12553 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12554 \@bidi@before@Hy@hyperfootnotes
12555 \let\@footnotetext\@fourcolfootnotetext
12556 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
12557 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
12558 \dimen\footinsv@r=4\footinsdim
12559 \count\footinsv@r=250\relax
12560 \m@make@fourcol@footgroup{v@r}%
12561 \let\@footgroupv@r\@fourcol@footgroupv@r
12562 \dimen\footinsv@l=4\footinsdim
12563 \count\footinsv@l=250\relax
12564 \bidi@make@fourcol@LTRfootgroup{v@l}%
12565 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12566 \let\@mpfootnotetext\@mpfourcolfootnotetext
12567 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
12568 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
12569 \@bidi@after@Hy@hyperfootnotes
12570 \m@make@mpfourcol@footgroup{v@r}%
12571 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12572 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12573 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12574 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12575 }
12576 \newcommand{\FourColumnFootnotes}{%
12577 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12578 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12579 \@bidi@before@Hy@hyperfootnotes
12580 \let\@footnotetext\@FourColfootnotetext
12581 \let\@LTRfootnotetext\@FourColLTRfootnotetext
12582 \let\@RTLfootnotetext\@FourColRTLfootnotetext
12583 \dimen\footinsv@r=4\footinsdim
12584 \count\footinsv@r=250\relax
12585 \m@make@fourcol@footgroup{v@r}%
12586 \let\@footgroupv@r\@fourcol@footgroupv@r
12587 \dimen\footinsv@l=4\footinsdim
12588 \count\footinsv@l=250\relax
12589 \bidi@make@fourcol@LTRfootgroup{v@l}%
12590 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12591 \let\@mpfootnotetext\@mpFourColfootnotetext
12592 \let\@mpLTRfootnotetext\@mpFourColLTRfootnotetext
12593 \let\@mpRTLfootnotetext\@mpFourColRTLfootnotetext
12594 \@bidi@after@Hy@hyperfootnotes
12595 \m@make@mpfourcol@footgroup{v@r}%
12596 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12597 \bidi@make@mpfourcol@LTRfootgroup{v@l}%

```



```

12598 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12599 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12600 }
12601 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12602 \ifRTL@footnote
12603 \footinsv@r
12604 \else
12605 \footinsv@l
12606 \fi
12607 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12608 \def\baselinestretch{\m@m@footnote@spacing}%
12609 \reset@font\foottextfont
12610 \@preamfntext
12611 \protected@edef\@currentlabel{%
12612 \csname p@footnote\endcsname\@thefnmark}%
12613 \color@begingroup
12614 \@fourcolfootfmt{#1}%
12615 \color@endgroup}%
12616 \m@mmf@prepare}
12617 \newcommand{\@FourColfootnotetext}[1]{%
12618 \bidi@step@absolute@footnote@count
12619 \ifRTL@footnote
12620 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12621 \else
12622 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12623 \fi
12624 \global\setbox
12625 \ifRTL@footnote
12626 \footinsv@r
12627 \else
12628 \footinsv@l
12629 \fi
12630 \vbox{%
12631 \unvbox
12632 \ifRTL@footnote
12633 \footinsv@r
12634 \else
12635 \footinsv@l
12636 \fi
12637 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12638 \def\baselinestretch{\m@m@footnote@spacing}%
12639 \reset@font\foottextfont
12640 \@preamfntext
12641 \protected@edef\@currentlabel{%
12642 \csname p@footnote\endcsname\@thefnmark}%
12643 \color@begingroup
12644 \@fourcolfootfmt{#1}%
12645 \color@endgroup}%
12646 \m@mmf@prepare
12647 \ifRTL@footnote
12648 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12649 \else
12650 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12651 \fi

```



```

12652 }
12653 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12654 \def\baselinestretch{\m@m@footnote@spacing}%
12655 \reset@font\LTRfoottextfont
12656 \@preamfntext
12657 \protected@edef\@currentlabel{%
12658 \csname p@footnote\endcsname\@thefnmark}%
12659 \color@begingroup
12660 \@fourcolLTRfootfmt{#1}%
12661 \color@endgroup}%
12662 \m@mmf@prepare}
12663 \newcommand{\@FourColLTRfootnotetext}[1]{%
12664 \bidi@step@absolute@footnote@count
12665 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12666 \global\setbox\footinsv@l\vbox{%
12667 \unvbox\footinsv@l
12668 \@RTLfalse%
12669 \def\baselinestretch{\m@m@footnote@spacing}%
12670 \reset@font\LTRfoottextfont
12671 \@preamfntext
12672 \protected@edef\@currentlabel{%
12673 \csname p@footnote\endcsname\@thefnmark}%
12674 \color@begingroup
12675 \@fourcolLTRfootfmt{#1}%
12676 \color@endgroup}%
12677 \m@mmf@prepare
12678 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12679 }
12680 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12681 \def\baselinestretch{\m@m@footnote@spacing}%
12682 \reset@font\RTLfoottextfont
12683 \@preamfntext
12684 \protected@edef\@currentlabel{%
12685 \csname p@footnote\endcsname\@thefnmark}%
12686 \color@begingroup
12687 \@fourcolRTLfootfmt{#1}%
12688 \color@endgroup}%
12689 \m@mmf@prepare}
12690 \newcommand{\@FourColRTLfootnotetext}[1]{%
12691 \bidi@step@absolute@footnote@count
12692 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12693 \global\setbox\footinsv@r\vbox{%
12694 \unvbox\footinsv@r
12695 \@RTLtrue
12696 \def\baselinestretch{\m@m@footnote@spacing}%
12697 \reset@font\RTLfoottextfont
12698 \@preamfntext
12699 \protected@edef\@currentlabel{%
12700 \csname p@footnote\endcsname\@thefnmark}%
12701 \color@begingroup
12702 \@fourcolRTLfootfmt{#1}%
12703 \color@endgroup}%
12704 \m@mmf@prepare
12705 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r

```



```

12706 }
12707 \bidi@ensure@newcommand{\@preamfourfmt}{%
12708   \hsize .25\hsize
12709   \parindent=\z@
12710   \tolerance=5000\relax
12711   \leavevmode}
12712 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
12713   \@preamfourfmt
12714   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12715 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
12716   \@preamfourfmt
12717   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12718 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
12719   \@preamfourfmt
12720   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12721 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
12722   \global\setbox
12723     \if@RTL@footnote
12724     \@mpfootinsv@r
12725   \else
12726     \@mpfootinsv@l
12727   \fi
12728   \vbox{%
12729     \unvbox
12730     \if@RTL@footnote
12731     \@mpfootinsv@r
12732   \else
12733     \@mpfootinsv@l
12734   \fi
12735   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12736   \def\baselinestretch{\m@m@footnote@spacing}%
12737   \reset@font\foottextfont
12738   \hsize\columnwidth \@parboxrestore
12739   \protected@edef\@currentlabel{%
12740     \csname p@mpfootnote\endcsname\@thefnmark}%
12741   \color@begingroup
12742     \@fourcolfootfmt{#1}%
12743   \color@endgroup}%
12744   \m@mmf@prepare}
12745 \newcommand{\@mpFourColfootnotetext}[1]{%
12746   \if@RTL@footnote
12747     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12748   \else
12749     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12750   \fi
12751   \global\setbox
12752     \if@RTL@footnote
12753     \@mpfootinsv@r
12754   \else
12755     \@mpfootinsv@l
12756   \fi
12757   \vbox{%
12758     \unvbox
12759     \if@RTL@footnote

```



```

12760 \mpfootinsv@r
12761 \else
12762 \mpfootinsv@l
12763 \fi
12764 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12765 \def\baselinestretch{\m@m@footnote@spacing}%
12766 \reset@font\foottextfont
12767 \hsize\columnwidth \@parboxrestore
12768 \protected@edef\@currentlabel{%
12769 \csname p@mpfootnote\endcsname\@thefnmark}%
12770 \color@begingroup
12771 \@fourcolfootfmt{#1}%
12772 \color@endgroup}%
12773 \m@mmf@prepare}
12774 \bidi@ensure@newcommand{\mpfourcolLTRfootnotetext}[1]{%
12775 \global\setbox\@mpfootinsv@l\vbox{%
12776 \unvbox\@mpfootinsv@l
12777 \@RTLfalse
12778 \def\baselinestretch{\m@m@footnote@spacing}%
12779 \reset@font\LTRfoottextfont
12780 \hsize\columnwidth \@parboxrestore
12781 \protected@edef\@currentlabel{%
12782 \csname p@mpfootnote\endcsname\@thefnmark}%
12783 \color@begingroup
12784 \@fourcolLTRfootfmt{#1}%
12785 \color@endgroup}%
12786 \m@mmf@prepare}
12787 \newcommand{\mpFourCollTRfootnotetext}[1]{%
12788 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12789 \global\setbox\@mpfootinsv@l\vbox{%
12790 \unvbox\@mpfootinsv@l
12791 \@RTLfalse
12792 \def\baselinestretch{\m@m@footnote@spacing}%
12793 \reset@font\LTRfoottextfont
12794 \hsize\columnwidth \@parboxrestore
12795 \protected@edef\@currentlabel{%
12796 \csname p@mpfootnote\endcsname\@thefnmark}%
12797 \color@begingroup
12798 \@fourcolLTRfootfmt{#1}%
12799 \color@endgroup}%
12800 \m@mmf@prepare}
12801 \bidi@ensure@newcommand{\mpfourcolRTLfootnotetext}[1]{%
12802 \global\setbox\@mpfootinsv@r\vbox{%
12803 \unvbox\@mpfootinsv@r
12804 \@RTLtrue
12805 \def\baselinestretch{\m@m@footnote@spacing}%
12806 \reset@font\RTLfoottextfont
12807 \hsize\columnwidth \@parboxrestore
12808 \protected@edef\@currentlabel{%
12809 \csname p@mpfootnote\endcsname\@thefnmark}%
12810 \color@begingroup
12811 \@fourcolRTLfootfmt{#1}%
12812 \color@endgroup}%
12813 \m@mmf@prepare}

```



```

12814 \newcommand{\@mpFourColRTLfootnotetext}[1]{%
12815 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12816 \global\setbox\@mpfootinsv@r\vbox{%
12817 \unvbox\@mpfootinsv@r
12818 \RTLtrue
12819 \def\baselinestretch{\m@m@footnote@spacing}%
12820 \reset@font\RTLfoottextfont
12821 \hsize\columnwidth \@parboxrestore
12822 \protected@edef\@currentlabel{%
12823 \csname p@mpfootnote\endcsname\@thefnmark}%
12824 \color@begingroup
12825 \@fourcolRTLfootfmt{#1}%
12826 \color@endgroup}%
12827 \m@m@prepare}
12828 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
12829 \@namedef{@fourcol@footgroup#1}{%
12830 \def\baselinestretch{\m@m@footnote@spacing}%
12831 \hsize\bidi@columnwidth
12832 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12833 \m@m@rigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
12834 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
12835 \@namedef{@fourcol@LTRfootgroup#1}{%
12836 \def\baselinestretch{\m@m@footnote@spacing}%
12837 \hsize\bidi@columnwidth
12838 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12839 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
12840 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
12841 \@namedef{@mpfourcol@footgroup#1}{%
12842 \def\baselinestretch{\m@m@footnote@spacing}%
12843 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12844 \m@m@rigidbalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}
12845 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
12846 \@namedef{@mpfourcol@LTRfootgroup#1}{%
12847 \def\baselinestretch{\m@m@footnote@spacing}%
12848 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12849 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}
12850 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
12851 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12852 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12853 \@bidi@before@Hy@hyperfootnotes
12854 \let\@footnotetext\@fivecolfootnotetext
12855 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
12856 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
12857 \dimen\footinsv@r=5\footinsdim
12858 \count\footinsv@r=200\relax
12859 \m@make@fivecol@footgroup{v@r}%
12860 \let\@footgroupv@r\@fivecol@footgroupv@r
12861 \dimen\footinsv@l=5\footinsdim
12862 \count\footinsv@l=200\relax
12863 \bidi@make@fivecol@LTRfootgroup{v@l}%
12864 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
12865 \let\@mpfootnotetext\@mpfivecolfootnotetext
12866 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
12867 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext

```





```

12868 \@bidi@after@Hy@hyperfootnotes
12869 \m@make@mpfivecol@footgroup{v@r}%
12870 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
12871 \bidi@make@mpfivecol@LTRfootgroup{v@1}%
12872 \let\mp@LTRfootgroupv@1\@mpfivecol@LTRfootgroupv@1
12873 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12874 }
12875 \newcommand{\FiveColumnFootnotes}{%
12876 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12877 \@namedef{foottextfontv@1}{\LTRfoottextfont}%
12878 \@bidi@before@Hy@hyperfootnotes
12879 \let\@footnotetext\@FiveColfootnotetext
12880 \let\@LTRfootnotetext\@FiveColLTRfootnotetext
12881 \let\@RTLfootnotetext\@FiveColRTLfootnotetext
12882 \dimen\footinsv@r=5\footinsdim
12883 \count\footinsv@r=200\relax
12884 \m@make@fivecol@footgroup{v@r}%
12885 \let\@footgroupv@r\@fivecol@footgroupv@r
12886 \dimen\footinsv@1=5\footinsdim
12887 \count\footinsv@1=200\relax
12888 \bidi@make@fivecol@LTRfootgroup{v@1}%
12889 \let\@LTRfootgroupv@1\@fivecol@LTRfootgroupv@1
12890 \let\@mpfootnotetext\@mpFiveColfootnotetext
12891 \let\@mpLTRfootnotetext\@mpFiveColLTRfootnotetext
12892 \let\@mpRTLfootnotetext\@mpFiveColRTLfootnotetext
12893 \@bidi@after@Hy@hyperfootnotes
12894 \m@make@mpfivecol@footgroup{v@r}%
12895 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
12896 \bidi@make@mpfivecol@LTRfootgroup{v@1}%
12897 \let\mp@LTRfootgroupv@1\@mpfivecol@LTRfootgroupv@1
12898 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12899 }
12900 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
12901 \if@RTL@footnote
12902 \footinsv@r
12903 \else
12904 \footinsv@1
12905 \fi
12906 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12907 \def\baselinestretch{\m@def\footnote@spacing}%
12908 \reset@font\foottextfont
12909 \@preamftext
12910 \protected@edef\@currentlabel{%
12911 \csname p@footnote\endcsname\@thefnmark}%
12912 \color@begingroup
12913 \@fivecolfootfmt{#1}%
12914 \color@endgroup}%
12915 \m@mmf@prepare}
12916 \newcommand{\@FiveColfootnotetext}[1]{%
12917 \bidi@step@absolute@footnote@count
12918 \if@RTL@footnote
12919 \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
12920 \else
12921 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r

```



```

12922 \fi
12923 \global\setbox
12924 \if@RTL@footnote
12925   \footinsv@r
12926 \else
12927   \footinsv@l
12928 \fi
12929 \vbox{%
12930   \unvbox
12931   \if@RTL@footnote
12932     \footinsv@r
12933   \else
12934     \footinsv@l
12935   \fi
12936   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12937   \def\baselinestretch{\m@m@footnote@spacing}%
12938   \reset@font\foottextfont
12939   \@preamfntext
12940   \protected@edef\@currentlabel{%
12941     \csname p@footnote\endcsname\@thefnmark}%
12942   \color@begingroup
12943     \@fivecolfootfmt{#1}%
12944   \color@endgroup}%
12945   \m@mmf@prepare
12946   \if@RTL@footnote
12947     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12948   \else
12949     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12950   \fi
12951 }
12952 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12953   \def\baselinestretch{\m@m@footnote@spacing}%
12954   \reset@font\LTRfoottextfont
12955   \@preamfntext
12956   \protected@edef\@currentlabel{%
12957     \csname p@footnote\endcsname\@thefnmark}%
12958   \color@begingroup
12959     \@fivecolLTRfootfmt{#1}%
12960   \color@endgroup}%
12961   \m@mmf@prepare}
12962 \newcommand{\@FiveColLTRfootnotetext}[1]{%
12963   \bidi@step@absolute@footnote@count
12964   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12965   \global\setbox\footinsv@l\vbox{%
12966     \unvbox\footinsv@l
12967     \@RTLfalse
12968     \def\baselinestretch{\m@m@footnote@spacing}%
12969     \reset@font\LTRfoottextfont
12970     \@preamfntext
12971     \protected@edef\@currentlabel{%
12972       \csname p@footnote\endcsname\@thefnmark}%
12973     \color@begingroup
12974       \@fivecolLTRfootfmt{#1}%
12975     \color@endgroup}%

```



```

12976 \m@mmf@prepare
12977 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12978 }
12979 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12980 \def\baselinestretch{\m@mm@footnote@spacing}%
12981 \reset@font\RTLfoottextfont
12982 \@preamfntext
12983 \protected@edef\@currentlabel{%
12984 \csname p@footnote\endcsname\@thefnmark}%
12985 \color@begingroup
12986 \@fivecolRTLfootfmt{#1}%
12987 \color@endgroup}%
12988 \m@mmf@prepare}
12989 \newcommand{\@FiveColRTLfootnotetext}[1]{%
12990 \bidi@step@absolute@footnote@count
12991 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12992 \global\setbox\footinsv@r\vbox{%
12993 \unvbox\footinsv@r
12994 \@RTLtrue
12995 \def\baselinestretch{\m@mm@footnote@spacing}%
12996 \reset@font\RTLfoottextfont
12997 \@preamfntext
12998 \protected@edef\@currentlabel{%
12999 \csname p@footnote\endcsname\@thefnmark}%
13000 \color@begingroup
13001 \@fivecolRTLfootfmt{#1}%
13002 \color@endgroup}%
13003 \m@mmf@prepare
13004 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13005 }
13006 \bidi@ensure@newcommand{\@preamfivefmt}{%
13007 \hspace .2\hspace
13008 \parindent=\z@
13009 \tolerance=5000\relax
13010 \leavevmode}
13011 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
13012 \@preamfivefmt
13013 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13014 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
13015 \@preamfivefmt
13016 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13017 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
13018 \@preamfivefmt
13019 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13020 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
13021 \global\setbox
13022 \if@RTL@footnote
13023 \@mpfootinsv@r
13024 \else
13025 \@mpfootinsv@l
13026 \fi
13027 \vbox{%
13028 \unvbox
13029 \if@RTL@footnote

```



```

13030 \mpfootinsv@r
13031 \else
13032 \mpfootinsv@l
13033 \fi
13034 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13035 \def\baselinestretch{\m@m@footnote@spacing}%
13036 \reset@font\foottextfont
13037 \hsize\columnwidth \@parboxrestore
13038 \protected@edef\@currentlabel{%
13039 \csname p@mpfootnote\endcsname\@thefnmark}%
13040 \color@begingroup
13041 \@fivecolfootfmt{#1}%
13042 \color@endgroup}%
13043 \m@mmf@prepare}
13044 \newcommand{\mpFiveColfootnotetext}[1]{%
13045 \if@RTL@footnote
13046 \bidi@joinmpfootnotes\mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13047 \else
13048 \bidi@joinmpfootnotes\mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13049 \fi
13050 \global\setbox
13051 \if@RTL@footnote
13052 \mpfootinsv@r
13053 \else
13054 \mpfootinsv@l
13055 \fi
13056 \vbox{%
13057 \unvbox
13058 \if@RTL@footnote
13059 \mpfootinsv@r
13060 \else
13061 \mpfootinsv@l
13062 \fi
13063 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13064 \def\baselinestretch{\m@m@footnote@spacing}%
13065 \reset@font\foottextfont
13066 \hsize\columnwidth \@parboxrestore
13067 \protected@edef\@currentlabel{%
13068 \csname p@mpfootnote\endcsname\@thefnmark}%
13069 \color@begingroup
13070 \@fivecolfootfmt{#1}%
13071 \color@endgroup}%
13072 \m@mmf@prepare}
13073 \bidi@ensure@newcommand{\mpfivecolLTRfootnotetext}[1]{%
13074 \global\setbox\mpfootinsv@l\vbox{%
13075 \unvbox\mpfootinsv@l
13076 \@RTLfalse
13077 \def\baselinestretch{\m@m@footnote@spacing}%
13078 \reset@font\LTRfoottextfont
13079 \hsize\columnwidth \@parboxrestore
13080 \protected@edef\@currentlabel{%
13081 \csname p@mpfootnote\endcsname\@thefnmark}%
13082 \color@begingroup
13083 \@fivecolLTRfootfmt{#1}%

```



```

13084 \color@endgroup}%
13085 \m@mmf@prepare}
13086 \newcommand{\@mpFiveCollTRfootnotetext}[1]{%
13087 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13088 \global\setbox\@mpfootinsv@l\vbox{%
13089 \unvbox\@mpfootinsv@l
13090 \RTLfalse
13091 \def\baselinestretch{\m@m@footnote@spacing}%
13092 \reset@font\LTRfoottextfont
13093 \hsize\columnwidth \@parboxrestore
13094 \protected@edef\@currentlabel{%
13095 \csname p@mpfootnote\endcsname\@thefnmark}%
13096 \color@begingroup
13097 \@fivecollTRfootfmt{#1}%
13098 \color@endgroup}%
13099 \m@mmf@prepare}
13100 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
13101 \global\setbox\@mpfootinsv@r\vbox{%
13102 \unvbox\@mpfootinsv@r
13103 \RTLtrue
13104 \def\baselinestretch{\m@m@footnote@spacing}%
13105 \reset@font\RTLfoottextfont
13106 \hsize\columnwidth \@parboxrestore
13107 \protected@edef\@currentlabel{%
13108 \csname p@mpfootnote\endcsname\@thefnmark}%
13109 \color@begingroup
13110 \@fivecolRTLfootfmt{#1}%
13111 \color@endgroup}%
13112 \m@mmf@prepare}
13113 \newcommand{\@mpFiveColRTLfootnotetext}[1]{%
13114 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13115 \global\setbox\@mpfootinsv@r\vbox{%
13116 \unvbox\@mpfootinsv@r
13117 \RTLtrue
13118 \def\baselinestretch{\m@m@footnote@spacing}%
13119 \reset@font\RTLfoottextfont
13120 \hsize\columnwidth \@parboxrestore
13121 \protected@edef\@currentlabel{%
13122 \csname p@mpfootnote\endcsname\@thefnmark}%
13123 \color@begingroup
13124 \@fivecolRTLfootfmt{#1}%
13125 \color@endgroup}%
13126 \m@mmf@prepare}
13127 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
13128 \@namedef{@fivecol@footgroup#1}{%
13129 \def\baselinestretch{\m@m@footnote@spacing}%
13130 \hsize\bidi@columnwidth
13131 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13132 \m@r rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
13133 \newcommand{\bidi@make@fivecol@LTRfootgroup}[1]{%
13134 \@namedef{@fivecol@LTRfootgroup#1}{%
13135 \def\baselinestretch{\m@m@footnote@spacing}%
13136 \hsize\bidi@columnwidth
13137 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

13138     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}
13139 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
13140 \@namedef{\mpfivecol@footgroup#1}{%
13141   \def\baselinestretch{\m@footnote@spacing}%
13142   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13143   \m@rigidbalance{\@nameuse{\mpfootins#1}}{5}{\splittopskip}}}
13144 \newcommand{\bidi@make@mpfivecol@LTRfootgroup}[1]{%
13145 \@namedef{\mpfivecol@LTRfootgroup#1}{%
13146   \def\baselinestretch{\m@footnote@spacing}%
13147   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13148   \bidi@LTRrigidbalance{\@nameuse{\mpfootins#1}}{5}{\splittopskip}}}
13149 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
13150 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13151 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13152 \@bidi@before@Hy@hyperfootnotes
13153 \let\@footnotetext\@sixcolfootnotetext
13154 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
13155 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
13156 \dimen\footinsv@r=6\footinsdim
13157 \count\footinsv@r=166\relax
13158 \m@make@sixcol@footgroup{v@r}%
13159 \let\@footgroupv@r\@sixcol@footgroupv@r
13160 \dimen\footinsv@l=6\footinsdim
13161 \count\footinsv@l=166\relax
13162 \bidi@make@sixcol@LTRfootgroup{v@l}%
13163 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13164 \let\@mpfootnotetext\@mpsixcolfootnotetext
13165 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
13166 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
13167 \@bidi@after@Hy@hyperfootnotes
13168 \m@make@mpsixcol@footgroup{v@r}%
13169 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13170 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13171 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13172 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13173 }
13174 \newcommand{\SixColumnFootnotes}{%
13175   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13176   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13177   \@bidi@before@Hy@hyperfootnotes
13178   \let\@footnotetext\@SixColfootnotetext
13179   \let\@LTRfootnotetext\@SixColLTRfootnotetext
13180   \let\@RTLfootnotetext\@SixColRTLfootnotetext
13181   \dimen\footinsv@r=6\footinsdim
13182   \count\footinsv@r=166\relax
13183   \m@make@sixcol@footgroup{v@r}%
13184   \let\@footgroupv@r\@sixcol@footgroupv@r
13185   \dimen\footinsv@l=6\footinsdim
13186   \count\footinsv@l=166\relax
13187   \bidi@make@sixcol@LTRfootgroup{v@l}%
13188   \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13189   \let\@mpfootnotetext\@mpSixColfootnotetext
13190   \let\@mpLTRfootnotetext\@mpSixColLTRfootnotetext
13191   \let\@mpRTLfootnotetext\@mpSixColRTLfootnotetext

```



```

13192 \@bidi@after@Hy@hyperfootnotes
13193 \m@make@mpsixcol@footgroup{v@r}%
13194 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13195 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13196 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13197 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13198 }
13199 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
13200 \if@RTL@footnote
13201 \footinsv@r
13202 \else
13203 \footinsv@l
13204 \fi
13205 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13206 \def\baselinestretch{\m@m@footnote@spacing}%
13207 \reset@font\foottextfont
13208 \@preamfntext
13209 \protected@edef\@currentlabel{%
13210 \csname p@footnote\endcsname\@thefnmark}%
13211 \color@begingroup
13212 \@sixcolfootfmt{#1}%
13213 \color@endgroup}%
13214 \m@mmf@prepare}
13215 \newcommand{\@SixColfootnotetext}[1]{%
13216 \bidi@step@absolute@footnote@count
13217 \if@RTL@footnote
13218 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13219 \else
13220 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13221 \fi
13222 \global\setbox
13223 \if@RTL@footnote
13224 \footinsv@r
13225 \else
13226 \footinsv@l
13227 \fi
13228 \vbox{%
13229 \unvbox
13230 \if@RTL@footnote
13231 \footinsv@r
13232 \else
13233 \footinsv@l
13234 \fi
13235 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13236 \def\baselinestretch{\m@m@footnote@spacing}%
13237 \reset@font\foottextfont
13238 \@preamfntext
13239 \protected@edef\@currentlabel{%
13240 \csname p@footnote\endcsname\@thefnmark}%
13241 \color@begingroup
13242 \@sixcolfootfmt{#1}%
13243 \color@endgroup}%
13244 \m@mmf@prepare
13245 \if@RTL@footnote

```



```

13246 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13247 \else
13248 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13249 \fi
13250 }
13251 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13252 \def\baselinestretch{\m@m@footnote@spacing}%
13253 \reset@font\LTRfoottextfont
13254 \@preamfntext
13255 \protected@edef\@currentlabel{%
13256 \csname p@footnote\endcsname\@thefnmark}%
13257 \color@begingroup
13258 \@sixcolLTRfootfmt{#1}%
13259 \color@endgroup}%
13260 \m@mmf@prepare}
13261 \newcommand{\@SixColLTRfootnotetext}[1]{%
13262 \bidi@step@absolute@footnote@count
13263 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13264 \global\setbox\footinsv@l\vbox{%
13265 \unvbox\footinsv@l
13266 \@RTLfalse
13267 \def\baselinestretch{\m@m@footnote@spacing}%
13268 \reset@font\LTRfoottextfont
13269 \@preamfntext
13270 \protected@edef\@currentlabel{%
13271 \csname p@footnote\endcsname\@thefnmark}%
13272 \color@begingroup
13273 \@sixcolLTRfootfmt{#1}%
13274 \color@endgroup}%
13275 \m@mmf@prepare
13276 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13277 }
13278 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13279 \def\baselinestretch{\m@m@footnote@spacing}%
13280 \reset@font\RTLfoottextfont
13281 \@preamfntext
13282 \protected@edef\@currentlabel{%
13283 \csname p@footnote\endcsname\@thefnmark}%
13284 \color@begingroup
13285 \@sixcolRTLfootfmt{#1}%
13286 \color@endgroup}%
13287 \m@mmf@prepare}
13288 \newcommand{\@SixColRTLfootnotetext}[1]{%
13289 \bidi@step@absolute@footnote@count
13290 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13291 \global\setbox\footinsv@r\vbox{%
13292 \unvbox\footinsv@r
13293 \@RTLtrue
13294 \def\baselinestretch{\m@m@footnote@spacing}%
13295 \reset@font\RTLfoottextfont
13296 \@preamfntext
13297 \protected@edef\@currentlabel{%
13298 \csname p@footnote\endcsname\@thefnmark}%
13299 \color@begingroup

```





```

13300 \sixcolRTLfootfmt{#1}%
13301 \color@endgroup}%
13302 \m@mmf@prepare
13303 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13304 }
13305 \bidi@ensure@newcommand{\@preamsixfmt}{-%
13306 \hsize .16\hsize
13307 \parindent=\z@
13308 \tolerance=5000\relax
13309 \leavevmode}
13310 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{-%
13311 \@preamsixfmt
13312 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13313 \bidi@ensure@newcommand{\@sixcollTRfootfmt}[1]{-%
13314 \@preamsixfmt
13315 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13316 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{-%
13317 \@preamsixfmt
13318 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13319 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{-%
13320 \global\setbox
13321 \if@RTL@footnote
13322 \mpfootinsv@r
13323 \else
13324 \mpfootinsv@l
13325 \fi
13326 \vbox{-%
13327 \unvbox
13328 \if@RTL@footnote
13329 \mpfootinsv@r
13330 \else
13331 \mpfootinsv@l
13332 \fi
13333 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13334 \def\baselinestretch{\m@m@footnote@spacing}%
13335 \reset@font\foottextfont
13336 \hsize\columnwidth \@parboxrestore
13337 \protected@edef\@currentlabel{-%
13338 \csname p@mpfootnote\endcsname\@thefnmark}%
13339 \color@begingroup
13340 \@sixcolfootfmt{#1}%
13341 \color@endgroup}%
13342 \m@mmf@prepare}
13343 \newcommand{\@mpSixColfootnotetext}[1]{-%
13344 \if@RTL@footnote
13345 \bidi@joinmpfootnotes\mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13346 \else
13347 \bidi@joinmpfootnotes\mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13348 \fi
13349 \global\setbox
13350 \if@RTL@footnote
13351 \mpfootinsv@r
13352 \else
13353 \mpfootinsv@l

```



```

13354 \fi
13355 \vbox{%
13356   \unvbox
13357   \if@RTL@footnote
13358   \@mpfootinsv@r
13359 \else
13360   \@mpfootinsv@l
13361 \fi
13362 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13363 \def\baselinestretch{\m@m@footnote@spacing}%
13364 \reset@font\foottextfont
13365 \hsize\columnwidth \@parboxrestore
13366 \protected@edef\@currentlabel{%
13367   \csname p@mpfootnote\endcsname\@thefnmark}%
13368 \color@begingroup
13369   \@sixcolfootfmt{#1}%
13370 \color@endgroup}%
13371 \m@mmf@prepare}
13372 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{%
13373 \global\setbox\@mpfootinsv@l\vbox{%
13374   \unvbox\@mpfootinsv@l
13375   \@RTLfalse
13376   \def\baselinestretch{\m@m@footnote@spacing}%
13377   \reset@font\LTRfoottextfont
13378   \hsize\columnwidth \@parboxrestore
13379   \protected@edef\@currentlabel{%
13380     \csname p@mpfootnote\endcsname\@thefnmark}%
13381   \color@begingroup
13382     \@sixcolLTRfootfmt{#1}%
13383   \color@endgroup}%
13384   \m@mmf@prepare}
13385 \newcommand{\@mpSixCollTRfootnotetext}[1]{%
13386 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13387 \global\setbox\@mpfootinsv@l\vbox{%
13388   \unvbox\@mpfootinsv@l
13389   \@RTLfalse
13390   \def\baselinestretch{\m@m@footnote@spacing}%
13391   \reset@font\LTRfoottextfont
13392   \hsize\columnwidth \@parboxrestore
13393   \protected@edef\@currentlabel{%
13394     \csname p@mpfootnote\endcsname\@thefnmark}%
13395   \color@begingroup
13396     \@sixcolLTRfootfmt{#1}%
13397   \color@endgroup}%
13398   \m@mmf@prepare}
13399 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{%
13400 \global\setbox\@mpfootinsv@r\vbox{%
13401   \unvbox\@mpfootinsv@r
13402   \@RTLtrue
13403   \def\baselinestretch{\m@m@footnote@spacing}%
13404   \reset@font\RTLfoottextfont
13405   \hsize\columnwidth \@parboxrestore
13406   \protected@edef\@currentlabel{%
13407     \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

13408 \color@begingroup
13409   \@sixcolRTLfootfmt{#1}%
13410 \color@endgroup}%
13411 \m@mmf@prepare}
13412 \newcommand{\@mpSixColRTLfootnotetext}[1]{%
13413   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13414   \global\setbox\@mpfootinsv@r\vbox{%
13415     \unvbox\@mpfootinsv@r
13416     \@RTLtrue
13417     \def\baselinestretch{\m@m@footnote@spacing}%
13418     \reset@font\RTLfoottextfont
13419     \hsize\columnwidth \@parboxrestore
13420     \protected@edef\@currentlabel{%
13421       \csname p@mpfootnote\endcsname\@thefnmark}%
13422   \color@begingroup
13423     \@sixcolRTLfootfmt{#1}%
13424   \color@endgroup}%
13425   \m@mmf@prepare}
13426 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
13427   \@namedef{@sixcol@footgroup#1}{%
13428     \def\baselinestretch{\m@m@footnote@spacing}%
13429     \hsize\bidi@columnwidth
13430     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13431     \m@r@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}
13432 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
13433   \@namedef{@sixcol@LTRfootgroup#1}{%
13434     \def\baselinestretch{\m@m@footnote@spacing}%
13435     \hsize\bidi@columnwidth
13436     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13437     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}
13438 \bidi@ensure@newcommand{\m@make@mps@sixcol@footgroup}[1]{%
13439   \@namedef{@mps@sixcol@footgroup#1}{%
13440     \def\baselinestretch{\m@m@footnote@spacing}%
13441     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13442     \m@r@rigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}
13443 \newcommand{\bidi@make@mps@sixcol@LTRfootgroup}[1]{%
13444   \@namedef{@mps@sixcol@LTRfootgroup#1}{%
13445     \def\baselinestretch{\m@m@footnote@spacing}%
13446     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13447     \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}
13448 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
13449   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13450   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13451   \@bidi@before@Hy@hyperfootnotes
13452   \let\@footnotetext\@sevendcolfootnotetext
13453   \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
13454   \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
13455   \dimen\footinsv@r=7\footinsdim
13456   \count\footinsv@r=142\relax
13457   \m@make@sevendcol@footgroup{v@r}%
13458   \let\@footgroupv@r\@sevendcol@footgroupv@r
13459   \dimen\footinsv@l=7\footinsdim
13460   \count\footinsv@l=142\relax
13461   \bidi@make@sevendcol@LTRfootgroup{v@l}%

```



```

13462 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13463 \let\@mpfootnotetext\@mpsevendcolfootnotetext
13464 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
13465 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
13466 \@bidi@after@Hy@hyperfootnotes
13467 \m@make@mpsevendcol@footgroup{v@r}%
13468 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13469 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13470 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13471 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13472 }
13473 \newcommand{\SevenColumnFootnotes}{%
13474 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13475 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13476 \@bidi@before@Hy@hyperfootnotes
13477 \let\@footnotetext\@SevenColfootnotetext
13478 \let\@LTRfootnotetext\@SevenColLTRfootnotetext
13479 \let\@RTLfootnotetext\@SevenColRTLfootnotetext
13480 \dimen\footinsv@r=7\footinsdim
13481 \count\footinsv@r=142\relax
13482 \m@make@sevendcol@footgroup{v@r}%
13483 \let\@footgroupv@r\@sevendcol@footgroupv@r
13484 \dimen\footinsv@l=7\footinsdim
13485 \count\footinsv@l=142\relax
13486 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13487 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13488 \let\@mpfootnotetext\@mpSevenColfootnotetext
13489 \let\@mpLTRfootnotetext\@mpSevenColLTRfootnotetext
13490 \let\@mpRTLfootnotetext\@mpSevenColRTLfootnotetext
13491 \@bidi@after@Hy@hyperfootnotes
13492 \m@make@mpsevendcol@footgroup{v@r}%
13493 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13494 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13495 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13496 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13497 }
13498 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert
13499 \if@RTL@footnote
13500 \footinsv@r
13501 \else
13502 \footinsv@l
13503 \fi
13504 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13505 \def\baselinestretch{\m@mm@footnote@spacing}%
13506 \reset@font\foottextfont
13507 \@preamfntext
13508 \protected@edef\@currentlabel{%
13509 \csname p@footnote\endcsname\@thefnmark}%
13510 \color@begingroup
13511 \@sevendcolfootfmt{#1}%
13512 \color@endgroup}%
13513 \m@mmf@prepare}
13514 \newcommand{\@SevenColfootnotetext}[1]{%
13515 \bidi@step@absolute@footnote@count

```



```

13516 \if@RTL@footnote
13517   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\LTRfootgroupv@l
13518 \else
13519   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13520 \fi
13521 \global\setbox
13522 \if@RTL@footnote
13523   \footinsv@r
13524 \else
13525   \footinsv@l
13526 \fi
13527 \vbox{%
13528   \unvbox
13529   \if@RTL@footnote
13530     \footinsv@r
13531   \else
13532     \footinsv@l
13533   \fi
13534   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13535   \def\baselinestretch{\m@m@footnote@spacing}%
13536   \reset@font\foottextfont
13537   \@preamfntext
13538   \protected@edef\@currentlabel{%
13539     \csname p@footnote\endcsname\@thefnmark}%
13540   \color@begingroup
13541     \@sevenscolfootfmt{#1}%
13542   \color@endgroup}%
13543   \m@mmf@prepare
13544   \if@RTL@footnote
13545     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13546   \else
13547     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\LTRfootgroupv@l
13548   \fi
13549 }
13550 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13551   \def\baselinestretch{\m@m@footnote@spacing}%
13552   \reset@font\LTRfoottextfont
13553   \@preamfntext
13554   \protected@edef\@currentlabel{%
13555     \csname p@footnote\endcsname\@thefnmark}%
13556   \color@begingroup
13557     \@sevenscolLTRfootfmt{#1}%
13558   \color@endgroup}%
13559   \m@mmf@prepare}
13560 \newcommand{\@SevenCollTRfootnotetext}[1]{%
13561   \bidi@step@absolute@footnote@count
13562   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13563   \global\setbox\footinsv@l\vbox{%
13564     \unvbox\footinsv@l
13565     \@RTLfalse
13566     \def\baselinestretch{\m@m@footnote@spacing}%
13567     \reset@font\LTRfoottextfont
13568     \@preamfntext
13569     \protected@edef\@currentlabel{%

```



```

13570   \csname p@footnote\endcsname\@thefnmark}%
13571 \color@begingroup
13572   \@sevenscolLTRfootfmt{#1}%
13573 \color@endgroup}%
13574 \m@mmf@prepare
13575 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13576 }
13577 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13578 \def\baselinestretch{\m@m@footnote@spacing}%
13579 \reset@font\RTLfoottextfont
13580 \@preamfntext
13581 \protected@edef\@currentlabel{%
13582   \csname p@footnote\endcsname\@thefnmark}%
13583 \color@begingroup
13584   \@sevenscolRTLfootfmt{#1}%
13585 \color@endgroup}%
13586 \m@mmf@prepare}
13587 \newcommand{\@SevenColRTLfootnotetext}[1]{%
13588 \bidi@step@absolutefootnote@count
13589 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13590 \global\setbox\footinsv@r\vbox{%
13591 \unvbox\footinsv@r
13592 \@RTLtrue
13593 \def\baselinestretch{\m@m@footnote@spacing}%
13594 \reset@font\RTLfoottextfont
13595 \@preamfntext
13596 \protected@edef\@currentlabel{%
13597   \csname p@footnote\endcsname\@thefnmark}%
13598 \color@begingroup
13599   \@sevenscolRTLfootfmt{#1}%
13600 \color@endgroup}%
13601 \m@mmf@prepare
13602 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13603 }
13604 \bidi@ensure@newcommand{\@preamsevenfmt}{%
13605 \hspace .142\hspace
13606 \parindent=\z@
13607 \tolerance=5000\relax
13608 \leavevmode}
13609 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
13610 \@preamsevenfmt
13611 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13612 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
13613 \@preamsevenfmt
13614 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13615 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
13616 \@preamsevenfmt
13617 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13618 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{%
13619 \global\setbox
13620   \if@RTL@footnote
13621   \@mpfootinsv@r
13622 \else
13623   \@mpfootinsv@l

```



```

13624 \fi
13625 \vbox{%
13626   \unvbox
13627   \if@RTL@footnote
13628   \@mpfootinsv@r
13629 \else
13630   \@mpfootinsv@l
13631 \fi
13632 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13633 \def\baselinestretch{\m@m@footnote@spacing}%
13634 \reset@font\foottextfont
13635 \hsize\columnwidth \@parboxrestore
13636 \protected@edef\@currentlabel{%
13637   \csname p@mpfootnote\endcsname\@thefnmark}%
13638 \color@begingroup
13639   \@sevenscolfootfmt{#1}%
13640 \color@endgroup}%
13641 \m@mmf@prepare}
13642 \newcommand{\@mpSevenColfootnotetext}[1]{%
13643   \if@RTL@footnote
13644   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13645 \else
13646   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13647 \fi
13648 \global\setbox
13649   \if@RTL@footnote
13650   \@mpfootinsv@r
13651 \else
13652   \@mpfootinsv@l
13653 \fi
13654 \vbox{%
13655   \unvbox
13656   \if@RTL@footnote
13657   \@mpfootinsv@r
13658 \else
13659   \@mpfootinsv@l
13660 \fi
13661 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13662 \def\baselinestretch{\m@m@footnote@spacing}%
13663 \reset@font\foottextfont
13664 \hsize\columnwidth \@parboxrestore
13665 \protected@edef\@currentlabel{%
13666   \csname p@mpfootnote\endcsname\@thefnmark}%
13667 \color@begingroup
13668   \@sevenscolfootfmt{#1}%
13669 \color@endgroup}%
13670 \m@mmf@prepare}
13671 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{%
13672 \global\setbox\@mpfootinsv@l\vbox{%
13673   \unvbox\@mpfootinsv@l
13674   \@RTLfalse
13675   \def\baselinestretch{\m@m@footnote@spacing}%
13676   \reset@font\LTRfoottextfont
13677   \hsize\columnwidth \@parboxrestore

```



```

13678 \protected@edef\@currentlabel{%
13679 \csname p@mpfootnote\endcsname\@thefnmark}%
13680 \color@begingroup
13681 \@sevenscolLTRfootfmt{#1}%
13682 \color@endgroup}%
13683 \m@mmf@prepare}
13684 \newcommand{\@mpSevenColLTRfootnotetext}[1]{%
13685 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13686 \global\setbox\@mpfootinsv@l\vbox{%
13687 \unvbox\@mpfootinsv@l
13688 \@RTLfalse
13689 \def\baselinestretch{\m@m@footnote@spacing}%
13690 \reset@font\LTRfoottextfont
13691 \hsize\columnwidth \@parboxrestore
13692 \protected@edef\@currentlabel{%
13693 \csname p@mpfootnote\endcsname\@thefnmark}%
13694 \color@begingroup
13695 \@sevenscolLTRfootfmt{#1}%
13696 \color@endgroup}%
13697 \m@mmf@prepare}
13698 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{%
13699 \global\setbox\@mpfootinsv@r\vbox{%
13700 \unvbox\@mpfootinsv@r
13701 \@RTLtrue
13702 \def\baselinestretch{\m@m@footnote@spacing}%
13703 \reset@font\RTLfoottextfont
13704 \hsize\columnwidth \@parboxrestore
13705 \protected@edef\@currentlabel{%
13706 \csname p@mpfootnote\endcsname\@thefnmark}%
13707 \color@begingroup
13708 \@sevenscolRTLfootfmt{#1}%
13709 \color@endgroup}%
13710 \m@mmf@prepare}
13711 \newcommand{\@mpSevenColRTLfootnotetext}[1]{%
13712 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13713 \global\setbox\@mpfootinsv@r\vbox{%
13714 \unvbox\@mpfootinsv@r
13715 \@RTLtrue
13716 \def\baselinestretch{\m@m@footnote@spacing}%
13717 \reset@font\RTLfoottextfont
13718 \hsize\columnwidth \@parboxrestore
13719 \protected@edef\@currentlabel{%
13720 \csname p@mpfootnote\endcsname\@thefnmark}%
13721 \color@begingroup
13722 \@sevenscolRTLfootfmt{#1}%
13723 \color@endgroup}%
13724 \m@mmf@prepare}
13725 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
13726 \@namedef{@sevenscol@footgroup#1}{%
13727 \def\baselinestretch{\m@m@footnote@spacing}%
13728 \hsize\bidi@columnwidth
13729 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13730 \m@r rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
13731 \newcommand{\bidi@make@sevenscol@LTRfootgroup}[1]{%

```





```

13732 \@namedef{@sevendcol@LTRfootgroup#1}{%
13733 \def\baselinestretch{\m@m@footnote@spacing}%
13734 \hspace\bidicolumnwidth
13735 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13736 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
13737 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
13738 \@namedef{@mpsevendcol@footgroup#1}{%
13739 \def\baselinestretch{\m@m@footnote@spacing}%
13740 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13741 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
13742 \newcommand{\bidi@make@mpsevendcol@LTRfootgroup}[1]{%
13743 \@namedef{@mpsevendcol@LTRfootgroup#1}{%
13744 \def\baselinestretch{\m@m@footnote@spacing}%
13745 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13746 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
13747 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
13748 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13749 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13750 \@bidi@before@Hy@hyperfootnotes
13751 \let\@footnotetext\@eightcolfootnotetext
13752 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
13753 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
13754 \dimen\footinsv@r=8\footinsdim
13755 \count\footinsv@r=125\relax
13756 \m@make@eightcol@footgroup{v@r}%
13757 \let\@footgroupv@r\@eightcol@footgroupv@r
13758 \dimen\footinsv@l=8\footinsdim
13759 \count\footinsv@l=125\relax
13760 \bidi@make@eightcol@LTRfootgroup{v@l}%
13761 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
13762 \let\@mpfootnotetext\@mpeightcolfootnotetext
13763 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
13764 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
13765 \@bidi@after@Hy@hyperfootnotes
13766 \m@make@mpeightcol@footgroup{v@r}%
13767 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
13768 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
13769 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
13770 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13771 }
13772 \newcommand{\EightColumnFootnotes}{%
13773 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13774 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13775 \@bidi@before@Hy@hyperfootnotes
13776 \let\@footnotetext\@EightColfootnotetext
13777 \let\@LTRfootnotetext\@EightColLTRfootnotetext
13778 \let\@RTLfootnotetext\@EightColRTLfootnotetext
13779 \dimen\footinsv@r=8\footinsdim
13780 \count\footinsv@r=125\relax
13781 \m@make@eightcol@footgroup{v@r}%
13782 \let\@footgroupv@r\@eightcol@footgroupv@r
13783 \dimen\footinsv@l=8\footinsdim
13784 \count\footinsv@l=125\relax
13785 \bidi@make@eightcol@LTRfootgroup{v@l}%

```



```

13786 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
13787 \let\@mpfootnotetext\@mpEightColfootnotetext
13788 \let\@mpLTRfootnotetext\@mpEightColLTRfootnotetext
13789 \let\@mpRTLfootnotetext\@mpEightColRTLfootnotetext
13790 \@bidi@after@Hy@hyperfootnotes
13791 \m@make@mp@eightcol@footgroup{v@r}%
13792 \let\mp@footgroupv@r\@mp@eightcol@footgroupv@r
13793 \bidi@make@mp@eightcol@LTRfootgroup{v@l}%
13794 \let\mp@LTRfootgroupv@l\@mp@eightcol@LTRfootgroupv@l
13795 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13796 }
13797 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert
13798   \ifRTL@footnote
13799     \footinsv@r
13800   \else
13801     \footinsv@l
13802   \fi
13803 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13804 \def\baselinestretch{\m@mp@footnote@spacing}%
13805 \reset@font\foottextfont
13806 \@preamfntext
13807 \protected@edef\@currentlabel{%
13808   \csname p@footnote\endcsname\@thefnmark}%
13809 \color@begingroup
13810   \@eightcolfootfmt{#1}%
13811 \color@endgroup}%
13812 \m@mmf@prepare}
13813 \newcommand{\@EightColfootnotetext}[1]{%
13814 \bidi@step@absolute@footnote@count
13815 \ifRTL@footnote
13816   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13817 \else
13818   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13819 \fi
13820 \global\setbox
13821 \ifRTL@footnote
13822   \footinsv@r
13823 \else
13824   \footinsv@l
13825 \fi
13826 \vbox{%
13827 \unvbox
13828 \ifRTL@footnote
13829   \footinsv@r
13830 \else
13831   \footinsv@l
13832 \fi
13833 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
13834 \def\baselinestretch{\m@mp@footnote@spacing}%
13835 \reset@font\foottextfont
13836 \@preamfntext
13837 \protected@edef\@currentlabel{%
13838   \csname p@footnote\endcsname\@thefnmark}%
13839 \color@begingroup

```



```

13840   \@eightcolfootfmt{#1}%
13841   \color@endgroup}%
13842   \m@mmf@prepare
13843   \if@RTL@footnote
13844     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13845   \else
13846     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13847   \fi
13848 }
13849 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13850   \def\baselinestretch{\m@mm@footnote@spacing}%
13851   \reset@font\LTRfoottextfont
13852   \@preamfntext
13853   \protected@edef\@currentlabel{%
13854     \csname p@footnote\endcsname\@thefnmark}%
13855   \color@begingroup
13856     \@eightcolLTRfootfmt{#1}%
13857   \color@endgroup}%
13858   \m@mmf@prepare}
13859 \newcommand{\@EightColLTRfootnotetext}[1]{%
13860   \bidi@step@absolute@footnote@count
13861   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13862   \global\setbox\footinsv@l\vbox{%
13863     \unvbox\footinsv@l
13864     \@RTLfalse
13865     \def\baselinestretch{\m@mm@footnote@spacing}%
13866     \reset@font\LTRfoottextfont
13867     \@preamfntext
13868     \protected@edef\@currentlabel{%
13869       \csname p@footnote\endcsname\@thefnmark}%
13870     \color@begingroup
13871       \@eightcolLTRfootfmt{#1}%
13872     \color@endgroup}%
13873     \m@mmf@prepare
13874     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13875 }
13876 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13877   \def\baselinestretch{\m@mm@footnote@spacing}%
13878   \reset@font\RTLfoottextfont
13879   \@preamfntext
13880   \protected@edef\@currentlabel{%
13881     \csname p@footnote\endcsname\@thefnmark}%
13882   \color@begingroup
13883     \@eightcolRTLfootfmt{#1}%
13884   \color@endgroup}%
13885   \m@mmf@prepare}
13886 \newcommand{\@EightColRTLfootnotetext}[1]{%
13887   \bidi@step@absolute@footnote@count
13888   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13889   \global\setbox\footinsv@r\vbox{%
13890     \unvbox\footinsv@r
13891     \@RTLtrue%
13892     \def\baselinestretch{\m@mm@footnote@spacing}%
13893   \reset@font\RTLfoottextfont

```



```

13894 \@preamfntext
13895 \protected@edef\@currentlabel{%
13896   \csname p@footnote\endcsname\@thefnmark}%
13897 \color@begingroup
13898   \@eightcolRTLfootfmt{#1}%
13899 \color@endgroup}%
13900 \m@mmf@prepare
13901 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13902 }
13903 \bidi@ensure@newcommand{\@preameightfmt}{%
13904   \hspace .125\hspace
13905   \parindent=\z@
13906   \tolerance=5000\relax
13907   \leavevmode}
13908 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
13909   \@preameightfmt
13910   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13911 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
13912   \@preameightfmt
13913   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13914 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
13915   \@preameightfmt
13916   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13917 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
13918   \global\setbox
13919     \if@RTL@footnote
13920     \@mpfootinsv@r
13921   \else
13922     \@mpfootinsv@l
13923   \fi
13924   \vbox{%
13925     \unvbox
13926     \if@RTL@footnote
13927     \@mpfootinsv@r
13928   \else
13929     \@mpfootinsv@l
13930   \fi
13931   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13932   \def\baselinestretch{\m@m@footnote@spacing}%
13933   \reset@font\foottextfont
13934   \hspace\columnwidth \@parboxrestore
13935   \protected@edef\@currentlabel{%
13936     \csname p@mpfootnote\endcsname\@thefnmark}%
13937   \color@begingroup
13938     \@eightcolfootfmt{#1}%
13939   \color@endgroup}%
13940   \m@mmf@prepare}
13941 \newcommand{\@mpEightColfootnotetext}[1]{%
13942   \if@RTL@footnote
13943     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13944   \else
13945     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13946   \fi
13947   \global\setbox

```



```

13948 \if@RTL@footnote
13949 \@mpfootinsv@r
13950 \else
13951 \@mpfootinsv@l
13952 \fi
13953 \vbox{%
13954 \unvbox
13955 \if@RTL@footnote
13956 \@mpfootinsv@r
13957 \else
13958 \@mpfootinsv@l
13959 \fi
13960 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13961 \def\baselinestretch{\m@m@footnote@spacing}%
13962 \reset@font\foottextfont
13963 \hsize\columnwidth \@parboxrestore
13964 \protected@edef\@currentlabel{%
13965 \csname p@mpfootnote\endcsname\@thefnmark}%
13966 \color@begingroup
13967 \@eightcolfootfmt{#1}%
13968 \color@endgroup}%
13969 \m@mmf@prepare}
13970 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
13971 \global\setbox\@mpfootinsv@l\vbox{%
13972 \unvbox\@mpfootinsv@l
13973 \@RTLfalse
13974 \def\baselinestretch{\m@m@footnote@spacing}%
13975 \reset@font\LTRfoottextfont
13976 \hsize\columnwidth \@parboxrestore
13977 \protected@edef\@currentlabel{%
13978 \csname p@mpfootnote\endcsname\@thefnmark}%
13979 \color@begingroup
13980 \@eightcolLTRfootfmt{#1}%
13981 \color@endgroup}%
13982 \m@mmf@prepare}
13983 \newcommand{\@mpEightColLTRfootnotetext}[1]{%
13984 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13985 \global\setbox\@mpfootinsv@l\vbox{%
13986 \unvbox\@mpfootinsv@l
13987 \@RTLfalse
13988 \def\baselinestretch{\m@m@footnote@spacing}%
13989 \reset@font\LTRfoottextfont
13990 \hsize\columnwidth \@parboxrestore
13991 \protected@edef\@currentlabel{%
13992 \csname p@mpfootnote\endcsname\@thefnmark}%
13993 \color@begingroup
13994 \@eightcolLTRfootfmt{#1}%
13995 \color@endgroup}%
13996 \m@mmf@prepare}
13997 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
13998 \global\setbox\@mpfootinsv@r\vbox{%
13999 \unvbox\@mpfootinsv@r
14000 \@RTLtrue
14001 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

14002 \reset@font\RTLfoottextfont
14003 \hsize\columnwidth \@parboxrestore
14004 \protected@edef\@currentlabel{%
14005 \csname p@mpfootnote\endcsname\@thefnmark}%
14006 \color@begingroup
14007 \@eightcolRTLfootfmt{#1}%
14008 \color@endgroup}%
14009 \m@mmf@prepare}
14010 \newcommand{\@mpEightColRTLfootnotetext}[1]{%
14011 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14012 \global\setbox\@mpfootinsv@r\vbox{%
14013 \unvbox\@mpfootinsv@r
14014 \@RTLtrue
14015 \def\baselinestretch{\m@m@footnote@spacing}%
14016 \reset@font\RTLfoottextfont
14017 \hsize\columnwidth \@parboxrestore
14018 \protected@edef\@currentlabel{%
14019 \csname p@mpfootnote\endcsname\@thefnmark}%
14020 \color@begingroup
14021 \@eightcolRTLfootfmt{#1}%
14022 \color@endgroup}%
14023 \m@mmf@prepare}
14024 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
14025 \@namedef{@eightcol@footgroup#1}{%
14026 \def\baselinestretch{\m@m@footnote@spacing}%
14027 \hsize\columnwidth
14028 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14029 \m@r@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14030 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%
14031 \@namedef{@eightcol@LTRfootgroup#1}{%
14032 \def\baselinestretch{\m@m@footnote@spacing}%
14033 \hsize\bidi@columnwidth
14034 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14035 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14036 \bidi@ensure@newcommand{\m@make@mp@eightcol@footgroup}[1]{%
14037 \@namedef{@mp@eightcol@footgroup#1}{%
14038 \def\baselinestretch{\m@m@footnote@spacing}%
14039 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14040 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
14041 \newcommand{\bidi@make@mp@eightcol@LTRfootgroup}[1]{%
14042 \@namedef{@mp@eightcol@LTRfootgroup#1}{%
14043 \def\baselinestretch{\m@m@footnote@spacing}%
14044 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14045 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
14046 \bidi@ensure@newcommand{\@ninecolumnfootnotes}{%
14047 \@namedef{foottextfontv@r}{\foottextfont}% \ % [RS]
14048 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14049 \@bidi@before@Hy@hyperfootnotes
14050 \let\@footnotetext\@ninecolfootnotetext
14051 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
14052 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
14053 \dimen\footinsv@r=9\footinsdim
14054 \count\footinsv@r=111\relax
14055 \m@make@ninecol@footgroup{v@r}%

```



```

14056 \let\@footgroupv@r\@ninelcol@footgroupv@r
14057 \dimen\footinsv@l=9\footinsdim
14058 \count\footinsv@l=111\relax
14059 \bidi@make@ninelcol@LTRfootgroup{v@l}%
14060 \let\@LTRfootgroupv@l\@ninelcol@LTRfootgroupv@l
14061 \let\@mpfootnotetext\@mpninelcolfootnotetext
14062 \let\@mpLTRfootnotetext\@mpninelcolLTRfootnotetext
14063 \let\@mpRTLfootnotetext\@mpninelcolRTLfootnotetext
14064 \@bidi@after@Hy@hyperfootnotes
14065 \m@make@mpninelcol@footgroup{v@r}%
14066 \let\mp@footgroupv@r\@mpninelcol@footgroupv@r
14067 \bidi@make@mpninelcol@LTRfootgroup{v@l}%
14068 \let\mp@LTRfootgroupv@l\@mpninelcol@LTRfootgroupv@l
14069 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14070 }
14071 \newcommand{\NineColumnFootnotes}{%
14072 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14073 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14074 \@bidi@before@Hy@hyperfootnotes
14075 \let\@footnotetext\@NineColfootnotetext
14076 \let\@LTRfootnotetext\@NineColLTRfootnotetext
14077 \let\@RTLfootnotetext\@NineColRTLfootnotetext
14078 \dimen\footinsv@r=9\footinsdim
14079 \count\footinsv@r=111\relax
14080 \m@make@ninelcol@footgroup{v@r}%
14081 \let\@footgroupv@r\@ninelcol@footgroupv@r
14082 \dimen\footinsv@l=9\footinsdim
14083 \count\footinsv@l=111\relax
14084 \bidi@make@ninelcol@LTRfootgroup{v@l}%
14085 \let\@LTRfootgroupv@l\@ninelcol@LTRfootgroupv@l
14086 \let\@mpfootnotetext\@mpNineColfootnotetext
14087 \let\@mpLTRfootnotetext\@mpNineColLTRfootnotetext
14088 \let\@mpRTLfootnotetext\@mpNineColRTLfootnotetext
14089 \@bidi@after@Hy@hyperfootnotes
14090 \m@make@mpninelcol@footgroup{v@r}%
14091 \let\mp@footgroupv@r\@mpninelcol@footgroupv@r
14092 \bidi@make@mpninelcol@LTRfootgroup{v@l}%
14093 \let\mp@LTRfootgroupv@l\@mpninelcol@LTRfootgroupv@l
14094 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14095 }
14096 \bidi@ensure@newcommand{\@ninelcolfootnotetext}[1]{\insert
14097 \if@RTL@footnote
14098 \footinsv@r
14099 \else
14100 \footinsv@l
14101 \fi
14102 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14103 \def\baselinestretch{\m@f@footnote@spacing}%
14104 \reset@font\foottextfont
14105 \@preamfntext
14106 \protected@edef\@currentlabel{%
14107 \csname p@footnote\endcsname\@thefnmark}%
14108 \color@begingroup
14109 \@ninelcolfootfmt{#1}%

```



```

14110 \color@endgroup}%
14111 \m@mmf@prepare}
14112 \newcommand{\@NineColfootnotetext}[1]{%
14113 \bidi@step@absolute@footnote@count
14114 \if@RTL@footnote
14115 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14116 \else
14117 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14118 \fi
14119 \global\setbox
14120 \if@RTL@footnote
14121 \footinsv@r
14122 \else
14123 \footinsv@l
14124 \fi
14125 \vbox{%
14126 \unvbox
14127 \if@RTL@footnote
14128 \footinsv@r
14129 \else
14130 \footinsv@l
14131 \fi
14132 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14133 \def\baselinestretch{\m@m@footnote@spacing}%
14134 \reset@font\foottextfont
14135 \@preamftext
14136 \protected@edef\@currentlabel{%
14137 \csname p@footnote\endcsname\@thefnmark}%
14138 \color@begingroup
14139 \@ninecolfootfmt{#1}%
14140 \color@endgroup}%
14141 \m@mmf@prepare
14142 \if@RTL@footnote
14143 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14144 \else
14145 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14146 \fi
14147 }
14148 \bidi@ensure@newcommand{\@NineColLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14149 \def\baselinestretch{\m@m@footnote@spacing}%
14150 \reset@font\LTRfoottextfont
14151 \@preamftext
14152 \protected@edef\@currentlabel{%
14153 \csname p@footnote\endcsname\@thefnmark}%
14154 \color@begingroup
14155 \@ninecolLTRfootfmt{#1}%
14156 \color@endgroup}%
14157 \m@mmf@prepare}
14158 \newcommand{\@NineColLTRfootnotetext}[1]{%
14159 \bidi@step@absolute@footnote@count
14160 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14161 \global\setbox\footinsv@l\vbox{%
14162 \unvbox\footinsv@l
14163 \@RTLfalse

```





```

14164 \def\baselinestretch{\m@m@footnote@spacing}%
14165 \reset@font\LTRfoottextfont
14166 \@preamfntext
14167 \protected@edef\@currentlabel{%
14168   \csname p@footnote\endcsname\@thefnmark}%
14169 \color@begingroup
14170   \@ninecolLTRfootfmt{#1}%
14171 \color@endgroup}%
14172 \m@mmf@prepare
14173 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14174 }
14175 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14176 \def\baselinestretch{\m@m@footnote@spacing}%
14177 \reset@font\RTLfoottextfont
14178 \@preamfntext
14179 \protected@edef\@currentlabel{%
14180   \csname p@footnote\endcsname\@thefnmark}%
14181 \color@begingroup
14182   \@ninecolRTLfootfmt{#1}%
14183 \color@endgroup}%
14184 \m@mmf@prepare}
14185 \newcommand{\@NineColRTLfootnotetext}[1]{%
14186 \bidi@step@absolutefootnote@count
14187 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14188 \global\setbox\footinsv@r\vbox{%
14189 \unvbox\footinsv@r
14190 \@RTLtrue
14191 \def\baselinestretch{\m@m@footnote@spacing}%
14192 \reset@font\RTLfoottextfont
14193 \@preamfntext
14194 \protected@edef\@currentlabel{%
14195   \csname p@footnote\endcsname\@thefnmark}%
14196 \color@begingroup
14197   \@ninecolRTLfootfmt{#1}%
14198 \color@endgroup}%
14199 \m@mmf@prepare
14200 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14201 }
14202 \bidi@ensure@newcommand{\@preamninefmt}{%
14203 \hsize .1\hsize
14204 \parindent=\z@
14205 \tolerance=5000\relax
14206 \leavevmode}
14207 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
14208 \@preamninefmt
14209 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14210 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
14211 \@preamninefmt
14212 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14213 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
14214 \@preamninefmt
14215 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14216 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
14217 \global\setbox

```



```

14218 \ifRTL@footnote
14219 \@mpfootinsv@r
14220 \else
14221 \@mpfootinsv@l
14222 \fi
14223 \vbox{%
14224 \unvbox
14225 \ifRTL@footnote
14226 \@mpfootinsv@r
14227 \else
14228 \@mpfootinsv@l
14229 \fi
14230 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14231 \def\baselinestretch{\m@m@footnote@spacing}%
14232 \reset@font\foottextfont
14233 \hsize\columnwidth \@parboxrestore
14234 \protected@edef\@currentlabel{%
14235 \csname p@mpfootnote\endcsname\@thefnmark}%
14236 \color@begingroup
14237 \@ninecolfootfmt{#1}%
14238 \color@endgroup}%
14239 \m@mmf@prepare}
14240 \newcommand{\@mpNineColfootnotetext}[1]{%
14241 \ifRTL@footnote
14242 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14243 \else
14244 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14245 \fi
14246 \global\setbox
14247 \ifRTL@footnote
14248 \@mpfootinsv@r
14249 \else
14250 \@mpfootinsv@l
14251 \fi
14252 \vbox{%
14253 \unvbox
14254 \ifRTL@footnote
14255 \@mpfootinsv@r
14256 \else
14257 \@mpfootinsv@l
14258 \fi
14259 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14260 \def\baselinestretch{\m@m@footnote@spacing}%
14261 \reset@font\foottextfont
14262 \hsize\columnwidth \@parboxrestore
14263 \protected@edef\@currentlabel{%
14264 \csname p@mpfootnote\endcsname\@thefnmark}%
14265 \color@begingroup
14266 \@ninecolfootfmt{#1}%
14267 \color@endgroup}%
14268 \m@mmf@prepare}
14269 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
14270 \global\setbox\@mpfootinsv@l\vbox{%
14271 \unvbox\@mpfootinsv@l

```



```

14272 \RTLfalse
14273 \def\baselinestretch{\m@m@footnote@spacing}%
14274 \reset@font\LTRfoottextfont
14275 \hsize\columnwidth \@parboxrestore
14276 \protected@edef\@currentlabel{%
14277 \csname p@mpfootnote\endcsname\@thefnmark}%
14278 \color@begingroup
14279 \@ninecolLTRfootfmt{#1}%
14280 \color@endgroup}%
14281 \m@mmf@prepare}
14282 \newcommand{\@mpNineCollTRfootnotetext}[1]{%
14283 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14284 \global\setbox\@mpfootinsv@l\vbox{%
14285 \unvbox\@mpfootinsv@l
14286 \RTLfalse
14287 \def\baselinestretch{\m@m@footnote@spacing}%
14288 \reset@font\LTRfoottextfont
14289 \hsize\columnwidth \@parboxrestore
14290 \protected@edef\@currentlabel{%
14291 \csname p@mpfootnote\endcsname\@thefnmark}%
14292 \color@begingroup
14293 \@ninecolLTRfootfmt{#1}%
14294 \color@endgroup}%
14295 \m@mmf@prepare}
14296 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
14297 \global\setbox\@mpfootinsv@r\vbox{%
14298 \unvbox\@mpfootinsv@r
14299 \RTLtrue
14300 \def\baselinestretch{\m@m@footnote@spacing}%
14301 \reset@font\RTLfoottextfont
14302 \hsize\columnwidth \@parboxrestore
14303 \protected@edef\@currentlabel{%
14304 \csname p@mpfootnote\endcsname\@thefnmark}%
14305 \color@begingroup
14306 \@ninecolRTLfootfmt{#1}%
14307 \color@endgroup}%
14308 \m@mmf@prepare}
14309 \newcommand{\@mpNineColRTLfootnotetext}[1]{%
14310 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14311 \global\setbox\@mpfootinsv@r\vbox{%
14312 \unvbox\@mpfootinsv@r
14313 \RTLtrue
14314 \def\baselinestretch{\m@m@footnote@spacing}%
14315 \reset@font\RTLfoottextfont
14316 \hsize\columnwidth \@parboxrestore
14317 \protected@edef\@currentlabel{%
14318 \csname p@mpfootnote\endcsname\@thefnmark}%
14319 \color@begingroup
14320 \@ninecolRTLfootfmt{#1}%
14321 \color@endgroup}%
14322 \m@mmf@prepare}
14323 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
14324 \@namedef{\@ninecol@footgroup#1}{%
14325 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

14326 \hsize\bidicolumnwidth
14327 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14328 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}
14329 \newcommand{\bidi@make@ninelcol@LTRfootgroup}[1]{%
14330 \@namedef{@ninelcol@LTRfootgroup#1}{%
14331 \def\baselinestretch{\m@m@footnote@spacing}%
14332 \hsize\bidicolumnwidth
14333 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14334 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
14335 \bidi@ensure@newcommand{\m@make@mpninelcol@footgroup}[1]{%
14336 \@namedef{@mpninelcol@footgroup#1}{%
14337 \def\baselinestretch{\m@m@footnote@spacing}%
14338 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14339 \m@mrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}}
14340 \newcommand{\bidi@make@mpninelcol@LTRfootgroup}[1]{%
14341 \@namedef{@mpninelcol@LTRfootgroup#1}{%
14342 \def\baselinestretch{\m@m@footnote@spacing}%
14343 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14344 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}}
14345 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
14346 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14347 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14348 \@bidi@before@Hy@hyperfootnotes
14349 \let\@footnotetext\@tencolfootnotetext
14350 \let\@LTRfootnotetext\@tencolLTRfootnotetext
14351 \let\@RTLfootnotetext\@tencolRTLfootnotetext
14352 \dimen\footinsv@r=10\footinsdim
14353 \count\footinsv@r=100\relax
14354 \m@make@tencol@footgroup{v@r}%
14355 \let\@footgroupv@r\@tencol@footgroupv@r
14356 \dimen\footinsv@l=10\footinsdim
14357 \count\footinsv@l=100\relax
14358 \bidi@make@tencol@LTRfootgroup{v@l}%
14359 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14360 \let\@mpfootnotetext\@mptencolfootnotetext
14361 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
14362 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
14363 \@bidi@after@Hy@hyperfootnotes
14364 \m@make@mptencol@footgroup{v@r}%
14365 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14366 \bidi@make@mptencol@LTRfootgroup{v@l}%
14367 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
14368 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14369 }
14370 \newcommand{\TenColumnFootnotes}{%
14371 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14372 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14373 \@bidi@before@Hy@hyperfootnotes
14374 \let\@footnotetext\@TenColfootnotetext
14375 \let\@LTRfootnotetext\@TenColLTRfootnotetext
14376 \let\@RTLfootnotetext\@TenColRTLfootnotetext
14377 \dimen\footinsv@r=10\footinsdim
14378 \count\footinsv@r=100\relax
14379 \m@make@tencol@footgroup{v@r}%

```



```

14380 \let\@footgroupv@r\@tencol@footgroupv@r
14381 \dimen\footinsv@l=10\footinsdim
14382 \count\footinsv@l=100\relax
14383 \bidi@make@tencol@LTRfootgroup{v@l}%
14384 \let\@LTRfootgroupv@l\@tencol@LTRfootgroup@l
14385 \let\@mpfootnotetext\@mpTenColfootnotetext
14386 \let\@mpLTRfootnotetext\@mpTenColLTRfootnotetext
14387 \let\@mpRTLfootnotetext\@mpTenColRTLfootnotetext
14388 \@bidi@after@Hy@hyperfootnotes
14389 \m@make@emptencol@footgroup{v@r}%
14390 \let\mp@footgroupv@r\@emptencol@footgroupv@r
14391 \bidi@make@emptencol@LTRfootgroup{v@l}%
14392 \let\mp@LTRfootgroupv@l\@emptencol@LTRfootgroupv@l
14393 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14394 }
14395 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
14396 \ifRTL@footnote
14397 \footinsv@r
14398 \else
14399 \footinsv@l
14400 \fi
14401 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14402 \def\baselinestretch{\m@footnote@spacing}%
14403 \reset@font\foottextfont
14404 \@preamfntext
14405 \protected@edef\@currentlabel{%
14406 \csname p@footnote\endcsname\@thefnmark}%
14407 \color@begingroup
14408 \@tencolfootfmt{#1}%
14409 \color@endgroup}%
14410 \m@mmf@prepare}
14411 \newcommand{\@TenColfootnotetext}[1]{%
14412 \bidi@step@absolute@footnote@count
14413 \ifRTL@footnote
14414 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14415 \else
14416 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14417 \fi
14418 \global\setbox
14419 \ifRTL@footnote
14420 \footinsv@r
14421 \else
14422 \footinsv@l
14423 \fi
14424 \vbox{%
14425 \unvbox
14426 \ifRTL@footnote
14427 \footinsv@r
14428 \else
14429 \footinsv@l
14430 \fi
14431 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14432 \def\baselinestretch{\m@footnote@spacing}%
14433 \reset@font\foottextfont

```



```

14434 \@preamfntext
14435 \protected@edef\@currentlabel{%
14436   \csname p@footnote\endcsname\@thefnmark}%
14437 \color@begingroup
14438   \@tencolfootfmt{#1}%
14439 \color@endgroup}%
14440 \m@mmf@prepare
14441 \if@RTL@footnote
14442   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14443 \else
14444   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14445 \fi
14446 }
14447 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14448 \def\baselinestretch{\m@mm@footnote@spacing}%
14449 \reset@font\LTRfoottextfont
14450 \@preamfntext
14451 \protected@edef\@currentlabel{%
14452   \csname p@footnote\endcsname\@thefnmark}%
14453 \color@begingroup
14454   \@tencolLTRfootfmt{#1}%
14455 \color@endgroup}%
14456 \m@mmf@prepare}
14457 \newcommand{\@TenColLTRfootnotetext}[1]{%
14458 \bidi@step@absolute@footnote@count
14459 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14460 \global\setbox\footinsv@l\vbox{%
14461 \unvbox\footinsv@l
14462 \@RTLfalse%
14463 \def\baselinestretch{\m@mm@footnote@spacing}%
14464 \reset@font\LTRfoottextfont
14465 \@preamfntext
14466 \protected@edef\@currentlabel{%
14467   \csname p@footnote\endcsname\@thefnmark}%
14468 \color@begingroup
14469   \@tencolLTRfootfmt{#1}%
14470 \color@endgroup}%
14471 \m@mmf@prepare
14472 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14473 }
14474 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14475 \def\baselinestretch{\m@mm@footnote@spacing}%
14476 \reset@font\RTLfoottextfont
14477 \@preamfntext
14478 \protected@edef\@currentlabel{%
14479   \csname p@footnote\endcsname\@thefnmark}%
14480 \color@begingroup
14481   \@tencolRTLfootfmt{#1}%
14482 \color@endgroup}%
14483 \m@mmf@prepare}
14484 \newcommand{\@TenColRTLfootnotetext}[1]{%
14485 \bidi@step@absolute@footnote@count
14486 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14487 \global\setbox\footinsv@r\vbox{%

```



```

14488 \unvbox\footinsv@r
14489 \@RTLtrue
14490 \def\baselinestretch{\m@m@footnote@spacing}%
14491 \reset@font\RTLfoottextfont
14492 \@preamfntext
14493 \protected@edef\@currentlabel{%
14494   \csname p@footnote\endcsname\@thefnmark}%
14495 \color@begingroup
14496   \@tencolRTLfootfmt{#1}%
14497 \color@endgroup}%
14498 \m@mmf@prepare
14499 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14500 }
14501 \bidi@ensure@newcommand{\@preamtenfmt}{%
14502   \hspace .1\hspace
14503   \parindent=\z@
14504   \tolerance=5000\relax
14505   \leavevmode}
14506 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
14507   \@preamtenfmt
14508   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14509 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
14510   \@preamtenfmt
14511   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14512 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
14513   \@preamtenfmt
14514   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14515 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
14516   \global\setbox
14517     \if@RTL@footnote
14518     \@mpfootinsv@r
14519   \else
14520     \@mpfootinsv@l
14521   \fi
14522   \vbox{%
14523     \unvbox
14524     \if@RTL@footnote
14525     \@mpfootinsv@r
14526   \else
14527     \@mpfootinsv@l
14528   \fi
14529   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14530   \def\baselinestretch{\m@m@footnote@spacing}%
14531   \reset@font\foottextfont
14532   \hspace\columnwidth \@parboxrestore
14533   \protected@edef\@currentlabel{%
14534     \csname p@mpfootnote\endcsname\@thefnmark}%
14535   \color@begingroup
14536     \@tencolfootfmt{#1}%
14537   \color@endgroup}%
14538   \m@mmf@prepare}
14539 \newcommand{\@mpTenColfootnotetext}[1]{%
14540   \if@RTL@footnote
14541   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l

```



```

14542 \else
14543   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14544 \fi
14545 \global\setbox
14546   \if@RTL@footnote
14547   \@mpfootinsv@r
14548 \else
14549   \@mpfootinsv@l
14550 \fi
14551 \vbox{%
14552   \unvbox
14553   \if@RTL@footnote
14554   \@mpfootinsv@r
14555 \else
14556   \@mpfootinsv@l
14557 \fi
14558   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14559   \def\baselinestretch{\m@m@footnote@spacing}%
14560   \reset@font\foottextfont
14561   \hsize\columnwidth \@parboxrestore
14562   \protected@edef\@currentlabel{%
14563     \csname p@mpfootnote\endcsname\@thefnmark}%
14564   \color@begingroup
14565     \@tencolfootfmt{#1}%
14566   \color@endgroup}%
14567   \m@mmf@prepare}
14568 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
14569   \global\setbox\@mpfootinsv@l\vbox{%
14570     \unvbox\@mpfootinsv@l
14571     \@RTLfalse
14572     \def\baselinestretch{\m@m@footnote@spacing}%
14573     \reset@font\LTRfoottextfont
14574     \hsize\columnwidth \@parboxrestore
14575     \protected@edef\@currentlabel{%
14576       \csname p@mpfootnote\endcsname\@thefnmark}%
14577     \color@begingroup
14578       \@tencolLTRfootfmt{#1}%
14579     \color@endgroup}%
14580     \m@mmf@prepare}
14581 \newcommand{\@mpTenCollTRfootnotetext}[1]{%
14582   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14583   \global\setbox\@mpfootinsv@l\vbox{%
14584     \unvbox\@mpfootinsv@l
14585     \@RTLfalse
14586     \def\baselinestretch{\m@m@footnote@spacing}%
14587     \reset@font\LTRfoottextfont
14588     \hsize\columnwidth \@parboxrestore
14589     \protected@edef\@currentlabel{%
14590       \csname p@mpfootnote\endcsname\@thefnmark}%
14591   \color@begingroup
14592     \@tencolLTRfootfmt{#1}%
14593   \color@endgroup}%
14594   \m@mmf@prepare}
14595 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%

```





```

14596 \global\setbox\@mpfootinsv@r\vbox{%
14597   \unvbox\@mpfootinsv@r
14598   \@RTLtrue
14599   \def\baselinestretch{\m@m@footnote@spacing}%
14600   \reset@font\RTLfoottextfont
14601   \hsize\columnwidth \@parboxrestore
14602   \protected@edef\@currentlabel{%
14603     \csname p@mpfootnote\endcsname\@thefnmark}%
14604   \color@begingroup
14605     \@tencolRTLfootfmt{#1}%
14606   \color@endgroup}%
14607   \m@mmf@prepare}
14608 \newcommand{\@mpTenColRTLfootnotetext}[1]{%
14609   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14610   \global\setbox\@mpfootinsv@r\vbox{%
14611     \unvbox\@mpfootinsv@r
14612     \@RTLtrue
14613     \def\baselinestretch{\m@m@footnote@spacing}%
14614     \reset@font\RTLfoottextfont
14615     \hsize\columnwidth \@parboxrestore
14616     \protected@edef\@currentlabel{%
14617       \csname p@mpfootnote\endcsname\@thefnmark}%
14618     \color@begingroup
14619       \@tencolRTLfootfmt{#1}%
14620     \color@endgroup}%
14621     \m@mmf@prepare}
14622 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
14623   \@namedef{@tencol@footgroup#1}{%
14624     \def\baselinestretch{\m@m@footnote@spacing}%
14625     \hsize\bidi@columnwidth
14626     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14627     \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}
14628 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
14629   \@namedef{@tencol@LTRfootgroup#1}{%
14630     \def\baselinestretch{\m@m@footnote@spacing}%
14631     \hsize\bidi@columnwidth
14632     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14633     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}
14634 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
14635   \@namedef{@mptencol@footgroup#1}{%
14636     \def\baselinestretch{\m@m@footnote@spacing}%
14637     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14638     \m@mrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}
14639 \newcommand{\bidi@make@mptencol@LTRfootgroup}[1]{%
14640   \@namedef{@mptencol@LTRfootgroup#1}{%
14641     \def\baselinestretch{\m@m@footnote@spacing}%
14642     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14643     \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}
14644 \bidi@ensure@newcommand{\m@m@unvxh}[1]{%
14645   \setbox0=\vbox{\unvbox#1}
14646   \global\setbox1=\lastbox}%
14647   \unhbox1
14648   \unskip
14649   \unskip

```



```

14650 \unpenalty
14651 \hskip\m@mipn@skip}
14652 \bidi@ensure@newcommand{\m@mungebox}{%
14653   \setbox0=\hbox{\m@muvxh0}%
14654   \dp0=\z@
14655   \ht0=\footfudgefactor\wd0
14656   \box0
14657   \penalty0}
14658 \newskip\m@mipn@skip
14659 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
14660   {\foottextfont\global\m@mipn@skip=#1\relax}}
14661 \m@minterparanoteglue{1em plus.3em minus.3em}
14662 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
14663   \setbox0=\hbox{}%
14664   \loop
14665     \unpenalty
14666     \setbox2=\lastbox
14667     \ifhbox2
14668       \setbox0=\hbox{\box2\unhbox0}
14669     \repeat}
14670 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
14671   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
14672 \newcommand*AddExtraParaSkip[1]{%
14673   \def\bidi@xparaskip{\advance@tempdima#1\relax}%
14674 }
14675 \let\bidi@xparaskip\relax
14676 \@onlypreamble\AddExtraParaSkip
14677 \@onlypreamble\bidi@xparaskip
14678 \def\bidi@startparafootskip#1{%
14679   \global\advance\skip#1\bidi@paraskip
14680 }
14681 \@onlypreamble\bidi@startparafootskip
14682 \bidi@ensure@newcommand{\paragraphfootnotes}{%
14683   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14684   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14685   \@bidi@before@Hy@hyperfootnotes
14686   \let@footnotetext\@parafootnotetext
14687   \let@LTRfootnotetext\@paraLTRfootnotetext
14688   \let@RTLfootnotetext\@paraRTLfootnotetext
14689   \dimen\footinsv@r=\footinsdim
14690   \count\footinsv@r=1000\relax
14691   \let\bidi@removexfootskip\bidi@removexparafootskip
14692   \m@make@para@footgroup{v@r}%
14693   \m@make@para@footstart{v@r}%
14694   \let@footgroupv@r\@para@footgroupv@r
14695   \let@footstartv@r\@para@footstartv@r
14696   \dimen\footinsv@l=\footinsdim
14697   \count\footinsv@l=1000\relax
14698   \bidi@make@para@LTRfootgroup{v@l}%
14699   \m@make@para@footstart{v@l}%
14700   \let@LTRfootgroupv@l\@para@LTRfootgroupv@l
14701   \let@footstartv@l\@para@footstartv@l
14702   \let@mpfootnotetext\@mpparafootnotetext
14703   \let@mpLTRfootnotetext\@mpparaLTRfootnotetext

```



```

14704 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
14705 \@bidi@after@Hy@hyperfootnotes
14706 \m@make@mppara@footgroup{v@r}%
14707 \bidi@make@mppara@LTRfootgroup{v@l}%
14708 \let\mp@footgroupv@r\@mppara@footgroupv@r
14709 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14710 \g@addto@macro\bidi@floathook{%
14711   \begingroup
14712     \foottextfont \@tempdima\normalbaselineskip
14713     \multiply \@tempdima \@cclvi
14714     \@tempdimb \columnwidth
14715     \divide \@tempdimb \@cclvi
14716     \divide \@tempdima \@tempdimb
14717     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14718   \endgroup
14719 }
14720 \AtBeginDocument{%
14721   \begingroup
14722     \foottextfont
14723     \@tempdima\footnotesep
14724     \advance\@tempdima -\ht\strutbox
14725     \ifdim\@tempdima<z@ \@tempdima z@ \fi
14726     \advance\@tempdima.5\normalbaselineskip
14727     \bidi@xparaskip
14728     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14729   \endgroup
14730   \bidi@startparafootskip\footinsv@r
14731   \bidi@startparafootskip\footinsv@l
14732 }
14733 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14734 }
14735 \newcommand{\ParagraphFootnotes}{-%
14736   \@namedef{foottextfontv@r}{\foottextfont}%
14737   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14738   \@bidi@before@Hy@hyperfootnotes
14739   \let\@footnotetext\@Parafootnotetext
14740   \let\@LTRfootnotetext\@ParaLTRfootnotetext
14741   \let\@RTLfootnotetext\@ParaRTLfootnotetext
14742   \dimen\footinsv@r=\footinsdim
14743   \count\footinsv@r=1000\relax
14744   \let\bidi@removexfootskip\bidi@removexparafootskip
14745   \m@make@para@footgroup{v@r}%
14746   \m@make@para@footstart{v@r}%
14747   \let\@footgroupv@r\@para@footgroupv@r
14748   \let\@footstartv@r\@para@footstartv@r
14749   \dimen\footinsv@l=\footinsdim
14750   \count\footinsv@l=1000\relax
14751   \bidi@make@para@LTRfootgroup{v@l}%
14752   \m@make@para@footstart{v@l}%
14753   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14754   \let\@footstartv@l\@para@footstartv@l
14755   \let\@mpfootnotetext\@mpParafootnotetext
14756   \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
14757   \let\@mpRTLfootnotetext\@mpParaRTLfootnotetext

```



```

14758 \@bidi@after@Hy@hyperfootnotes
14759 \m@make@mppara@footgroup{v@r}%
14760 \bidi@make@mppara@LTRfootgroup{v@l}%
14761 \let\mp@footgroupv@r\@mppara@footgroupv@r
14762 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14763 \g@addto@macro\bidi@floathook{%
14764   \begingroup
14765     \foottextfont \@tempdima\normalbaselineskip
14766     \multiply \@tempdima \@cclvi
14767     \@tempdimb \columnwidth
14768     \divide \@tempdimb \@cclvi
14769     \divide \@tempdima \@tempdimb
14770     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14771   \endgroup
14772 }
14773 \AtBeginDocument{%
14774   \begingroup
14775     \foottextfont
14776     \@tempdima\footnotesep
14777     \advance\@tempdima -\ht\strutbox
14778     \ifdim\@tempdima<z@ \@tempdima z@ \fi
14779     \advance\@tempdima.5\normalbaselineskip
14780     \bidi@xparaskip
14781     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14782   \endgroup
14783   \bidi@startparafootskip\footinsv@r
14784   \bidi@startparafootskip\footinsv@l
14785 }
14786 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14787 }
14788 \newcommand{\normalRTLparaLTRfootnotes}{%
14789   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14790   \@bidi@before@Hy@hyperfootnotes
14791   \if@RTL@footnote
14792     \let\@footnotetext\m@mold@footnotetext
14793   \else
14794     \let\@footnotetext\@parafootnotetext
14795   \fi
14796   \let\@LTRfootnotetext\@paraLTRfootnotetext
14797   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
14798   \dimen\footinsv@l=\footinsdim
14799   \count\footinsv@l=1000\relax
14800   \let\bidi@removexfootskip\bidi@removexparafootskip
14801   \bidi@make@para@LTRfootgroup{v@l}%
14802   \m@make@para@footstart{v@l}%
14803   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14804   \let\@footstartv@l\@para@footstartv@l
14805   \if@RTL@footnote
14806     \let\@mpfootnotetext\m@mold@mpfootnotetext
14807   \else
14808     \let\@mpfootnotetext\@mpparafootnotetext
14809   \fi
14810   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14811   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext

```



```

14812 \@bidi@after@Hy@hyperfootnotes
14813 \bidi@make@mppara@LTRfootgroup{v@1}%
14814 \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
14815 \g@addto@macro\bidi@floathook{%
14816   \begingroup
14817     \LTRfoottextfont \@tempdima\normalbaselineskip
14818     \multiply \@tempdima \@cclvi
14819     \@tempdimb \columnwidth
14820     \divide \@tempdimb \@cclvi
14821     \divide \@tempdima \@tempdimb
14822     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14823   \endgroup
14824 }
14825 \AtBeginDocument{%
14826   \begingroup
14827     \LTRfoottextfont
14828     \@tempdima\footnotesep
14829     \advance\@tempdima -\ht\strutbox
14830     \ifdim\@tempdima<z@ \@tempdima z@ \fi
14831     \advance\@tempdima.5\normalbaselineskip
14832     \bidi@xparaskip
14833     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14834   \endgroup
14835   \bidi@startparafootskip\footinsv@1
14836 }
14837 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14838 }
14839 \newcommand{\NormalRTLParaLTRFootnotes}{%
14840   \@namedef{foottextfontv@1}{\LTRfoottextfont}%
14841   \@bidi@before@Hy@hyperfootnotes
14842   \if@RTL@footnote
14843     \let\@footnotetext\bidi@bidiold@footnotetext
14844   \else
14845     \let\@footnotetext\@Parafootnotetext
14846   \fi
14847   \let\@LTRfootnotetext\@ParaLTRfootnotetext
14848   \let\@RTLfootnotetext\bidi@bidiold@RTLfootnotetext
14849   \dimen\footinsv@1=\footinsdim
14850   \count\footinsv@1=1000\relax
14851   \let\bidi@removexfootskip\bidi@removexparafootskip
14852   \bidi@make@para@LTRfootgroup{v@1}%
14853   \m@make@para@footstart{v@1}%
14854   \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
14855   \let\@footstartv@1\@para@footstartv@1
14856   \if@RTL@footnote
14857     \let\@mpfootnotetext\bidi@bidiold@mpfootnotetext
14858   \else
14859     \let\@mpfootnotetext\@mpParafootnotetext
14860   \fi
14861   \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
14862   \let\@mpRTLfootnotetext\bidi@bidiold@mpRTLfootnotetext
14863   \@bidi@after@Hy@hyperfootnotes
14864   \bidi@make@mppara@LTRfootgroup{v@1}%
14865   \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1

```



```

14866 \g@addto@macro\ bidi@floathook{%
14867   \begingroup
14868     \LTRfoottextfont \@tempdima\normalbaselineskip
14869     \multiply \@tempdima \@cclvi
14870     \@tempdimb \columnwidth
14871     \divide \@tempdimb \@cclvi
14872     \divide \@tempdima \@tempdimb
14873     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14874   \endgroup
14875 }
14876 \AtBeginDocument{%
14877   \begingroup
14878     \LTRfoottextfont
14879     \@tempdima\footnotesep
14880     \advance\@tempdima -\ht\strutbox
14881     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
14882     \advance\@tempdima.5\normalbaselineskip
14883     \bidi@xparaskip
14884     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14885   \endgroup
14886   \bidi@startparafootskip\footinsv@l
14887 }
14888 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14889 }
14890 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
14891   \ifRTL@footnote
14892     \footinsv@r
14893   \else
14894     \footinsv@l
14895   \fi
14896   {%
14897   \let\bidi@RTL@everypar\@empty%
14898   \def\baselinestretch{\m@f@footnote@spacing}%
14899   \reset@font\foottextfont
14900   \@preamfntext
14901   \protected@edef\@currentlabel{%
14902     \csname p@footnote\endcsname\@thefnmark}%
14903   \setbox0=\vbox{\hspace=\maxdimen
14904     \color@begingroup
14905     \noindent \@parafootfmt{#1}%
14906     \color@endgroup}%
14907   \m@mungebox}\m@mmf@prepare}
14908 \newcommand{\@Parafootnotetext}[1]{%
14909   \bidi@step@absolute@footnote@count
14910   \ifRTL@footnote
14911     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14912   \else
14913     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14914   \fi
14915   \global\setbox
14916   \ifRTL@footnote
14917     \footinsv@r
14918   \else
14919     \footinsv@l

```



```

14920 \fi
14921 \vbox{%
14922 \unvbox
14923 \if@RTL@footnote
14924 \footinsv@r
14925 \else
14926 \footinsv@l
14927 \fi
14928 \let\ bidi@RTL@everypar\@empty%
14929 \def\baselinestretch{\m@f@footnote@spacing}%
14930 \reset@font\foottextfont
14931 \@preamfntext
14932 \protected@edef\@currentlabel{%
14933 \csname p@footnote\endcsname\@thefnmark}%
14934 \setbox0=\vbox{\hsize=\maxdimen
14935 \color@begingroup
14936 \noindent \@parafootfmt{#1}%
14937 \color@endgroup}%
14938 \m@mungebox}\m@mmf@prepare
14939 \if@RTL@footnote
14940 \ bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14941 \else
14942 \ bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14943 \fi
14944 }
14945 \ bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
14946 \let\ bidi@RTL@everypar\@empty%
14947 \def\baselinestretch{\m@f@footnote@spacing}%
14948 \reset@font\LTRfoottextfont
14949 \@preamfntext
14950 \protected@edef\@currentlabel{%
14951 \csname p@footnote\endcsname\@thefnmark}%
14952 \setbox0=\vbox{\hsize=\maxdimen
14953 \color@begingroup
14954 \noindent \@paraLTRfootfmt{#1}%
14955 \color@endgroup}%
14956 \m@mungebox}\m@mmf@prepare}
14957 \newcommand{\@ParaLTRfootnotetext}[1]{%
14958 \ bidi@step@absolutefootnote@count
14959 \ bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14960 \global\setbox\footinsv@l\vbox{%
14961 \unvbox\footinsv@l
14962 \let\ bidi@RTL@everypar\@empty%
14963 \def\baselinestretch{\m@f@footnote@spacing}%
14964 \reset@font\LTRfoottextfont
14965 \@preamfntext
14966 \protected@edef\@currentlabel{%
14967 \csname p@footnote\endcsname\@thefnmark}%
14968 \setbox0=\vbox{\hsize=\maxdimen
14969 \color@begingroup
14970 \noindent \@paraLTRfootfmt{#1}%
14971 \color@endgroup}%
14972 \m@mungebox}\m@mmf@prepare
14973 \ bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l

```



```

14974 }
14975 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
14976 \let\bidi@RTL@everypar\@empty%
14977 \def\baselinestretch{\m@m@footnote@spacing}%
14978 \reset@font\RTLfoottextfont
14979 \@preamfntext
14980 \protected@edef\@currentlabel{%
14981 \csname p@footnote\endcsname\@thefnmark}%
14982 \setbox0=\vbox{\hsize=\maxdimen
14983 \color@begingroup
14984 \noindent \@paraRTLfootfmt{#1}%
14985 \color@endgroup}%
14986 \m@mungebox}\m@mmf@prepare}
14987 \newcommand{\@ParaRTLfootnotetext}[1]{%
14988 \bidi@step@absolute@footnote@count
14989 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14990 \global\setbox\footinsv@r\vbox{%
14991 \unvbox\footinsv@r
14992 \let\bidi@RTL@everypar\@empty%
14993 \def\baselinestretch{\m@m@footnote@spacing}%
14994 \reset@font\RTLfoottextfont
14995 \@preamfntext
14996 \protected@edef\@currentlabel{%
14997 \csname p@footnote\endcsname\@thefnmark}%
14998 \setbox0=\vbox{\hsize=\maxdimen
14999 \color@begingroup
15000 \noindent \@paraRTLfootfmt{#1}%
15001 \color@endgroup}%
15002 \m@mungebox}\m@mmf@prepare
15003 \bidi@reinsert@final@footnote@perpage\footinsv@r\@footstartv@r\@footgroupv@r
15004 }
15005 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
15006 \parindent=\z@
15007 \parfillskip=0pt \@plus 1fil
15008 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
15009 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
15010 \parindent=\z@
15011 \parfillskip=0pt \@plus 1fil
15012 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
15013 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
15014 \parindent=\z@
15015 \parfillskip=0pt \@plus 1fil
15016 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
15017 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
15018 \global\setbox
15019 \if@RTL@footnote
15020 \@mpfootinsv@r
15021 \else
15022 \@mpfootinsv@l
15023 \fi
15024 \vbox{%
15025 \unvbox
15026 \if@RTL@footnote
15027 \@mpfootinsv@r

```





```

15028 \else
15029 \mpfootinsv@l
15030 \fi
15031 \let\bidir@RTL@everypar\@empty
15032 \def\baselinestretch{\m@m@footnote@spacing}%
15033 \reset@font\foottextfont
15034 \hsize\columnwidth \@parboxrestore
15035 \protected@edef\@currentlabel{%
15036 \csname p@mpfootnote\endcsname\@thefnmark}%
15037 \setbox0=\vbox{\hsize=\maxdimen
15038 \color@begingroup
15039 \noindent \@parafootfmt{#1}%
15040 \color@endgroup}%
15041 \m@mungebox}\m@mmf@prepare}
15042 \newcommand{\mpParafootnotetext}[1]{%
15043 \if@RTL@footnote
15044 \bidi@joinmpfootnotes\mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15045 \else
15046 \bidi@joinmpfootnotes\mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15047 \fi
15048 \global\setbox
15049 \if@RTL@footnote
15050 \mpfootinsv@r
15051 \else
15052 \mpfootinsv@l
15053 \fi
15054 \vbox{%
15055 \unvbox
15056 \if@RTL@footnote
15057 \mpfootinsv@r
15058 \else
15059 \mpfootinsv@l
15060 \fi
15061 \let\bidir@RTL@everypar\@empty
15062 \def\baselinestretch{\m@m@footnote@spacing}%
15063 \reset@font\foottextfont
15064 \hsize\columnwidth \@parboxrestore
15065 \protected@edef\@currentlabel{%
15066 \csname p@mpfootnote\endcsname\@thefnmark}%
15067 \setbox0=\vbox{\hsize=\maxdimen
15068 \color@begingroup
15069 \noindent \@parafootfmt{#1}%
15070 \color@endgroup}%
15071 \m@mungebox}\m@mmf@prepare}
15072 \bidi@ensure@newcommand{\mpparaLTRfootnotetext}[1]{%
15073 \global\setbox\mpfootinsv@l\vbox{%
15074 \unvbox\mpfootinsv@l
15075 \let\bidir@RTL@everypar\@empty
15076 \def\baselinestretch{\m@m@footnote@spacing}%
15077 \reset@font\LTRfoottextfont
15078 \hsize\columnwidth \@parboxrestore
15079 \protected@edef\@currentlabel{%
15080 \csname p@mpfootnote\endcsname\@thefnmark}%
15081 \setbox0=\vbox{\hsize=\maxdimen

```



```

15082     \color@begingroup
15083     \noindent \@paraLTRfootfmt{#1}%
15084     \color@endgroup}%
15085 \m@mungebox}\m@mmf@prepare}
15086 \newcommand{\@mpParaLTRfootnotetext}[1]{%
15087 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15088 \global\setbox\@mpfootinsv@l\vbox{%
15089 \unvbox\@mpfootinsv@l
15090 \let\bidi@RTL@everypar\@empty
15091 \def\baselinestretch{\m@m@footnote@spacing}%
15092 \reset@font\LTRfoottextfont
15093 \hsize\columnwidth \@parboxrestore
15094 \protected@edef\@currentlabel{%
15095 \csname p@mpfootnote\endcsname\@thefnmark}%
15096 \setbox0=\vbox{\hsize=\maxdimen
15097 \color@begingroup
15098 \noindent \@paraLTRfootfmt{#1}%
15099 \color@endgroup}%
15100 \m@mungebox}\m@mmf@prepare}
15101 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
15102 \global\setbox\@mpfootinsv@r\vbox{%
15103 \unvbox\@mpfootinsv@r
15104 \let\bidi@RTL@everypar\@empty
15105 \def\baselinestretch{\m@m@footnote@spacing}%
15106 \reset@font\RTLfoottextfont
15107 \hsize\columnwidth \@parboxrestore
15108 \protected@edef\@currentlabel{%
15109 \csname p@mpfootnote\endcsname\@thefnmark}%
15110 \setbox0=\vbox{\hsize=\maxdimen
15111 \color@begingroup
15112 \noindent \@paraRTLfootfmt{#1}%
15113 \color@endgroup}%
15114 \m@mungebox}\m@mmf@prepare}
15115 \newcommand{\@mpParaRTLfootnotetext}[1]{%
15116 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRLfootgroupv@l
15117 \global\setbox\@mpfootinsv@r\vbox{%
15118 \unvbox\@mpfootinsv@r
15119 \let\bidi@RTL@everypar\@empty
15120 \def\baselinestretch{\m@m@footnote@spacing}%
15121 \reset@font\RTLfoottextfont
15122 \hsize\columnwidth \@parboxrestore
15123 \protected@edef\@currentlabel{%
15124 \csname p@mpfootnote\endcsname\@thefnmark}%
15125 \setbox0=\vbox{\hsize=\maxdimen
15126 \color@begingroup
15127 \noindent \@paraRTLfootfmt{#1}%
15128 \color@endgroup}%
15129 \m@mungebox}\m@mmf@prepare}
15130 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
15131 \@namedef{\@para@footgroup#1}{%
15132 \unvbox\@nameuse{footins#1}
15133 \@RTLtrue
15134 \m@mmakehboxofhboxes
15135 \setbox0=\hbox{\unhbox0 \m@removehboxes}%

```



```

15136 \hsize\ bidi@columnwidth
15137 \@parboxrestore
15138 \def\baselinestretch{\m@m@footnote@spacing}%
15139 \@nameuse{foottextfont#1}%
15140 \noindent\unhbox0\par}}
15141 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
15142 \@namedef{@para@LTRfootgroup#1}{%
15143 \unvbox\@nameuse{footins#1}
15144 \@RTLfalse
15145 \m@mmakehboxofhboxes
15146 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15147 \hsize\ bidi@columnwidth
15148 \@parboxrestore
15149 \def\baselinestretch{\m@m@footnote@spacing}%
15150 \@nameuse{foottextfont#1}%
15151 \noindent\unhbox0\par}}
15152 \newcommand{\bidi@removexparafootskip}{%
15153 \advance\@tempskipa -\bidi@paraskip
15154 \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
15155 }
15156 \let\bidi@removexfootskip\relax
15157 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
15158 \@namedef{@mppara@footgroup#1}{%
15159 \unvbox\@nameuse{@mpfootins#1}
15160 \@RTLtrue
15161 \m@mmakehboxofhboxes
15162 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15163 \def\baselinestretch{\m@m@footnote@spacing}%
15164 \@nameuse{foottextfont#1}%
15165 \noindent\unhbox0\par}}
15166 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
15167 \@namedef{@mppara@LTRfootgroup#1}{%
15168 \unvbox\@nameuse{@mpfootins#1}
15169 \@RTLfalse
15170 \m@mmakehboxofhboxes
15171 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15172 \def\baselinestretch{\m@m@footnote@spacing}%
15173 \@nameuse{foottextfont#1}%
15174 \noindent\unhbox0\par}}
15175 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
15176 \@namedef{@para@footstart#1}{%
15177 \leftskip=\z@
15178 \rightskip=\z@
15179 \parindent=\z@
15180 }%
15181 }
15182 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
15183 \xdef\@freelist{\@freelist\@midlist}%
15184 \global\let\@midlist\@empty
15185 \@combinefloats}
15186 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
15187 \ifvbox\@kludgeins
15188 \@makespecialcolbox
15189 \else

```



```

15190   \setbox\@outputbox \vbox to\@colht{%
15191     \@texttop
15192     \dimen@ \dp\@outputbox
15193     \unvbox \@outputbox
15194     \vskip -\dimen@
15195     \@textbottom}%
15196   \fi}
15197 \bidi@ensure@newcommand*{\m@m@makecolintro}{-}
15198 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
15199   \boxmaxdepth\@maxdepth
15200   \@tempdima\dp\@cclv
15201   \unvbox\@cclv
15202   \vskip-\@tempdima
15203   \bidi@mopfn@bottom
15204   \vskip \skip\footins
15205   \color@begingroup
15206     \normalcolor
15207     \footnoterule
15208     \unvbox \footins
15209   \color@endgroup
15210   }%
15211 }
15212 \newcommand*{\bidi@mopfootnotebf}{-%
15213   \setbox\@outputbox \vbox{%
15214     \boxmaxdepth\@maxdepth
15215     \unvbox\@outputbox
15216     \bidi@mopfn@bottom
15217     \vskip\skip\footins
15218     \color@begingroup
15219       \normalcolor
15220       \footnoterule
15221       \unvbox \footins
15222     \color@endgroup
15223     }%
15224 }
15225 \gdef\mem@makecol{%
15226   \m@m@makecolintro
15227   \m@mdoextrafeet
15228   \ifvoid\footins
15229     \setbox\@outputbox \box\@cclv
15230   \else
15231     \m@mopfootnote
15232   \fi
15233   \m@m@makecolfloats
15234   \m@m@makecoltext
15235   \global \maxdepth \@maxdepth}
15236 \gdef\bidi@makecolbf{%
15237   \m@m@makecolintro
15238   \m@mdoextrafeet
15239   \setbox\@outputbox \box\@cclv
15240   \m@m@makecolfloats
15241   \ifvoid\footins
15242   \else
15243     \bidi@mopfootnotebf

```



```

15244 \fi
15245 \m@m@makecoltext
15246 \global \maxdepth \@maxdepth}
15247 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
15248 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
15249 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
15250 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
15251 \FeetAboveFloat
15252 \FeetBelowRagged
15253 \def\bidi@reinserts#1{\ifvoid#1\else
15254     \ifnum\count\@currbox>\z@
15255         \advance\@pageht \ht#1%
15256         \advance\@pageht \skip#1%
15257         \advance\@pageht \dp#1%
15258     \fi
15259     \insert#1{\unvbox#1}%
15260 \fi
15261 }
15262 \def\bidi@init@multi@footins#1{%
15263     \multiply\count#1\col@number
15264     \multiply\skip#1\col@number
15265 }
15266 \def\bidi@reinsert@footnotes#1{\ifvoid#1\else
15267     \insert#1{\fi}
15268 \AtBeginDocument{%
15269     \bidi@preto\@doclearpage\m@m@doextrafeet
15270     \g@addto@macro\@reinserts{%
15271         \bidi@reinserts\footinsv@r
15272         \bidi@reinserts\footinsv@l
15273     }
15274     \bidi@floathook
15275     \g@addto@macro\@floatplacement{%
15276         \bidi@ifmulticol}{\bidi@floathook}%
15277     }%
15278     \if@bidi@csundef{multi@column@out}{%
15279         \@onlypreamble\bidi@init@multi@footins
15280         \let\bidi@ifmulticol\@secondoftwo
15281     }{%
15282         \bidi@preto\multi@column@out\m@m@doextrafeet
15283         \g@addto@macro\init@mult@footins{%
15284             \bidi@init@multi@footins\footinsv@r
15285             \bidi@init@multi@footins\footinsv@l
15286         }%
15287         \g@addto@macro\reinsert@footnotes{%
15288             \bidi@reinsert@footnotes\footinsv@r
15289             \bidi@reinsert@footnotes\footinsv@l
15290         }%
15291     }%
15292 }

```

## 87 File extreport-xetex-bidi.def

```

15293 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
15294 \renewcommand*\l@part[2]{%

```



```

15295 \ifnum \c@tocdepth >-2\relax
15296 \addpenalty{-\@highpenalty}%
15297 \addvspace{2.25em \@plus\p@}%
15298 \begingroup
15299 \setlength\@tempdima{3em}%
15300 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15301 \parfillskip -\@pnumwidth
15302 {\leavevmode
15303 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15304 \nobreak
15305 \global\@nobreaktrue
15306 \everypar{\global\@nobreakfalse\everypar{}}%
15307 \endgroup
15308 \fi}
15309 \renewcommand*\l@chapter[2]{%
15310 \ifnum \c@tocdepth >\m@ne
15311 \addpenalty{-\@highpenalty}%
15312 \vskip 1.0em \@plus\p@
15313 \setlength\@tempdima{1.5em}%
15314 \begingroup
15315 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15316 \parfillskip -\@pnumwidth
15317 \leavevmode \bfseries
15318 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15319 \hskip -\if@RTL\rightskip\else\leftskip\fi
15320 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15321 \penalty\@highpenalty
15322 \endgroup
15323 \fi}
15324 \def\@makechapterhead#1{%
15325 \vspace*{50\p@}%
15326 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15327 \ifnum \c@secnumdepth >\m@ne
15328 \huge\bfseries \@chapapp\space \thechapter
15329 \par\nobreak
15330 \vskip 20\p@
15331 \fi
15332 \interlinepenalty\@M
15333 \Huge \bfseries #1\par\nobreak
15334 \vskip 40\p@
15335 }}
15336 \def\@makeschapterhead#1{%
15337 \vspace*{50\p@}%
15338 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15339 \normalfont
15340 \interlinepenalty\@M
15341 \Huge \bfseries #1\par\nobreak
15342 \vskip 40\p@
15343 }}
15344 \renewcommand\left@footnoterule{%
15345 \kern-3\p@
15346 \hrule\@width.4\columnwidth
15347 \kern2.6\p@}
15348 \renewcommand\right@footnoterule{%

```



```

15349 \kern-3\p@
15350 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15351 \kern2.6\p@}
15352 \renewenvironment{thebibliography}[1]
15353   {\chapter*{\bibname
15354     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
15355     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15356     \bidi@thebibliography@font@hook%
15357     \list{\@biblabel{\@arabic\c@enumiv}}%
15358       {\settowidth\labelwidth{\@biblabel{#1}}%
15359         \leftmargin\labelwidth
15360         \advance\leftmargin\labelsep
15361         \@openbib@code
15362         \usecounter{enumiv}%
15363         \let\p@enumiv\@empty
15364         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15365     \sloppy\clubpenalty4000\widowpenalty4000%
15366     \sfcode`.\@m}
15367   {\def\@noitemerr
15368     {\@latex@warning{Empty `thebibliography' environment}}%
15369     \endlist}
15370 \if@titlepage
15371 \renewcommand\maketitle{\begin{titlepage}%
15372 \let\footnotesize\small
15373 \let\right@footnoterule\relax
15374 \let\left@footnoterule\relax
15375 \let\textwidth@footnoterule\relax
15376 \let \footnote \thanks
15377 \null\vfil
15378 \vskip 60\p@
15379 \begin{center}%
15380   {\LARGE \@title \par}%
15381   \vskip 3em%
15382   {\large
15383     \lineskip .75em%
15384     \begin{tabular}[t]{c}%
15385       \@author
15386       \end{tabular}\par}%
15387   \vskip 1.5em%
15388   {\large \@date \par}%           % Set date in \large size.
15389 \end{center}\par
15390 \@thanks
15391 \vfil\null
15392 \end{titlepage}%
15393 \setcounter{footnote}{0}%
15394 \global\let\thanks\relax
15395 \global\let\maketitle\relax
15396 \global\let\@thanks\@empty
15397 \global\let\@author\@empty
15398 \global\let\@date\@empty
15399 \global\let\@title\@empty
15400 \global\let\title\relax
15401 \global\let\author\relax
15402 \global\let\date\relax

```



```

15403 \global\let\and\relax
15404 }
15405 \else
15406 \renewcommand\maketitle{\par
15407 \begin{group}
15408 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15409 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15410 \long\def\@makefntext##1{\parindent 1em\noindent
15411 \hb@xt@1.8em{%
15412 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15413 \if@twocolumn
15414 \ifnum \col@number=\@ne
15415 \maketitle
15416 \else
15417 \twocolumn[\maketitle]%
15418 \fi
15419 \else
15420 \newpage
15421 \global\@topnum\z@ % Prevents figures from going at top of page.
15422 \maketitle
15423 \fi
15424 \thispagestyle{plain}\@thanks
15425 \end{group}
15426 \setcounter{footnote}{0}%
15427 \global\let\thanks\relax
15428 \global\let\maketitle\relax
15429 \global\let\@maketitle\relax
15430 \global\let\@thanks\@empty
15431 \global\let\@author\@empty
15432 \global\let\@date\@empty
15433 \global\let\@title\@empty
15434 \global\let\title\relax
15435 \global\let\author\relax
15436 \global\let\date\relax
15437 \global\let\and\relax
15438 }
15439 \def\@maketitle{%
15440 \newpage
15441 \null
15442 \vskip 2em%
15443 \begin{center}%
15444 \let \footnote \thanks
15445 {\LARGE \@title \par}%
15446 \vskip 1.5em%
15447 {\large
15448 \lineskip .5em%
15449 \begin{tabular}[t]{c}%
15450 \@author
15451 \end{tabular}\par}%
15452 \vskip 1em%
15453 {\large \@date}%
15454 \end{center}%
15455 \par
15456 \vskip 1.5em}

```





```

15457 \fi
15458 \renewcommand\thesection      {\thechapter\@SepMark\@arabic\c@section}
15459 \renewcommand\thesubsection   {\thesection\@SepMark\@arabic\c@subsection}
15460 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15461 \renewcommand\theparagraph     {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15462 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15463 \renewcommand\theequation{%
15464   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15465 \renewcommand\thefigure{%
15466   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
15467 \renewcommand\thetable{%
15468   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

## 88 File fancybox-xetex-bidi.def

```

15469 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
15470 \def\fancy@oval#1#2#3{%
15471   \boxmaxdepth \maxdimen
15472   \@ovttrue \ovbtrue \ovltrue \ovrtrue
15473   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
15474   \@ovxx#1\relax
15475   \advance\@ovxx-\@wholewidth
15476   \@ovyy#2\relax
15477   \advance\@ovyy-\@wholewidth
15478   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
15479   \advance\@tempdimb-2\p@
15480   \ifdim\@tempdimb>\the@cornersize\relax
15481     \@tempdimb=\the@cornersize
15482   \fi
15483   \@getcirc\@tempdimb
15484   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
15485   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
15486   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
15487   \@circlefnt
15488   \setbox\@tempboxa\hbox{\beginL%
15489     \if@ovr \@ovvert32\kern -\@tempdima \fi
15490     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
15491     \if@ovt \@ovhorz \kern -\@ovxx \fi
15492     \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
15493   \advance\@ovdx\@ovro
15494   \advance\@ovdy\@ovro
15495   \advance\@ovxx\@wholewidth
15496   \wd\@tempboxa=\@ovxx
15497   \dp\@tempboxa=\z@}

```

## 89 File fancyhdr-xetex-bidi.def

```

15498 \ProvidesFile{fancyhdr-xetex-bidi.def}[2024/12/07 v0.8 bidi adaptations for fancyhdr package]
15499
15500 \let\f@nch@everypar\everypar
15501
15502 \bidi@patchcmd\f@nch@head\raggedright\bidi@raggedright
15503 {\f@nch@warningnoline{Oops! patching `string'\f@nch@head' failed}}
15504 \bidi@patchcmd\f@nch@head\raggedleft\bidi@raggedleft

```



```

15505 {}{\bidi@warningnoline{Oops! patching `string\f@nch@head' failed}}
15506
15507 \bidi@patchcmd\f@nch@foot\raggedright\bidi@raggedright
15508 {}{\bidi@warningnoline{Oops! patching `string\f@nch@foot' failed}}
15509 \bidi@patchcmd\f@nch@foot\raggedleft\bidi@raggedleft
15510 {}{\bidi@warningnoline{Oops! patching `string\f@nch@foot' failed}}
15511

```

## 90 File fix2col-xetex-bidi.def

```

15512 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package f
15513 \def\RTL@outputdblcol{%
15514   \if@firstcolumn
15515     \global\@firstcolumnfalse
15516     \global\setbox\@leftcolumn\copy\@outputbox
15517     \splitmaxdepth\maxdimen
15518     \vbadness\maxdimen
15519     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15520     \toks@\expandafter{\topmark}%
15521     \xdef\@firstcoltopmark{\the\toks@}%
15522     \toks@\expandafter{\splitfirstmark}%
15523     \xdef\@firstcolfirstmark{\the\toks@}%
15524     \ifx\@firstcolfirstmark\@empty
15525       \global\let\@setmarks\relax
15526     \else
15527       \gdef\@setmarks{%
15528         \let\firstmark\@firstcolfirstmark
15529         \let\topmark\@firstcoltopmark}%
15530     \fi
15531 \else \global\@firstcolumntrue
15532 \setbox\@outputbox \vbox {\hbox to\textwidth {%
15533 \hskip \columnwidth
15534 \hfil \vrule width\columnseprule \hfil
15535 \hbox to\columnwidth {%
15536 \bidi@firstcolumn@status@write%
15537 \box\@leftcolumn \hss}%
15538 \hskip -\textwidth
15539 \hbox to\columnwidth{%
15540 \bidi@lastcolumn@status@write%
15541 \box\@outputbox \hss}%
15542 \hskip \columnsep
15543 \hskip \columnwidth }}%
15544 \@combinedblfloats \@setmarks \@outputpage
15545 \begingroup \@dblfloatplacement \@startdblcolumn
15546 \@whiles\if@fcolmade \fi
15547 {\@outputpage \@startdblcolumn }\endgroup
15548 \fi}
15549 \def\LTR@outputdblcol{%
15550   \if@firstcolumn
15551     \global\@firstcolumnfalse
15552     \global\setbox\@leftcolumn\copy\@outputbox
15553     \splitmaxdepth\maxdimen
15554     \vbadness\maxdimen
15555     \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

15556 \toks@\expandafter{\topmark}%
15557 \xdef\@firstcoltopmark{\the\toks@}%
15558 \toks@\expandafter{\splitfirstmark}%
15559 \xdef\@firstcolfirstmark{\the\toks@}%
15560 \ifx\@firstcolfirstmark\@empty
15561 \global\let\@setmarks\relax
15562 \else
15563 \gdef\@setmarks{%
15564 \let\firstmark\@firstcolfirstmark
15565 \let\topmark\@firstcoltopmark}%
15566 \fi
15567 \else
15568 \global\@firstcolumntrue
15569 \setbox\@outputbox\vbox{%
15570 \hb@xt@\textwidth{%
15571 \hb@xt@\columnwidth{%
15572 \bidi@firstcolumn@status@write%
15573 \box\@leftcolumn \hss}%
15574 \hfil
15575 \vrule \@width\columnseprule
15576 \hfil
15577 \hb@xt@\columnwidth{%
15578 \bidi@lastcolumn@status@write%
15579 \box\@outputbox \hss}}}%
15580 \@combinedblfloats
15581 \@setmarks
15582 \@outputpage
15583 \begingroup
15584 \@dblfloatplacement
15585 \@startdblcolumn
15586 \@whilesw\if@colmade \fi{\@outputpage\@startdblcolumn}%
15587 \endgroup
15588 \fi}

```

## 91 File fleqn-xetex-bidi.def

```

15589 \ProvidesFile{fleqn-xetex-bidi.def}[2024/12/07 v0.2 bidi adaptations for fleqn tag for XeTeX]
15590 \DeclareRobustCommand\[\relax
15591 \ifmmode\@badmath
15592 \else
15593 \begin{trivlist}%
15594 \@beginparpenalty\predisplaypenalty
15595 \@endparpenalty\postdisplaypenalty
15596 \item[]\leavevmode
15597 \hb@xt@\linewidth\bggroup \beginL$\m@th\displaystyle %$
15598 \hskip\mathindent\bggroup
15599 \fi}
15600 \DeclareRobustCommand\]{\relax
15601 \ifmmode
15602 \egroup $\hfil% $
15603 \endL\egroup
15604 \end{trivlist}%
15605 \else \@badmath
15606 \fi}

```



```

15607 \renewenvironment{equation}%
15608   {\@beginparpenalty\predisplaypenalty
15609   \@endparpenalty\postdisplaypenalty
15610   \refstepcounter{equation}%
15611   \trivlist \item[]\leavevmode
15612     \hb@xt@\linewidth\hgroup\beginL $\m@th% $
15613     \displaystyle
15614     \hskip\mathindent}%
15615     {$\hfil % $
15616     \displaywidth\linewidth\hbox{\@eqnnum}%
15617     \endL\egroup
15618   \endtrivlist}

```

## 92 File float-xetex-bidi.def

```

15619 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for X
15620 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
15621 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
15622   \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
15623 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
15624   \expandafter\edef\csname the#1\endcsname{%
15625     \expandafter\noexpand\csname
15626     the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
15627   {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

## 93 File floatrow-xetex-bidi.def

```

15628 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
15629 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
15630 \expandafter\edef\csname the\FB@captype\endcsname{%
15631   \expandafter\noexpand\csname
15632   the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

## 94 File flowfram-xetex-bidi.def

```

15633 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package
15634 \def\outputdblcol{%
15635   \@nxtcol=\c@thisframe
15636   \c@curpg=\c@page
15637   \@g@tnextcol{\@nxtcol}%
15638   \if@ff@nwpg % next flow frame starts on new page
15639     \global\@firstcolumntrue
15640     \@setcolbox\c@thisframe
15641     \if@specialpage
15642       \global\@specialpagefalse
15643       \@nameuse{ps@\@specialstyle}\relax
15644     \fi
15645     \if@twoside
15646       \ifodd\count\z@
15647         \let\@thehead\@oddhead
15648         \let\@thefoot\@oddfoot
15649       \else
15650         \let\@thehead\@evenhead
15651         \let\@thefoot\@evenfoot

```



```

15652   \fi
15653 \else
15654   \let\@thehead\@oddhead
15655   \let\@thefoot\@oddfoot
15656 \fi
15657 \@beginarvi
15658 \@dodynamicthehead\@dodynamicthefoot
15659 \vbadness=\@M
15660 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}%
15661 \@combinedblfloats
15662 \@outputpage
15663 \advance\c@curpg by -\c@page\relax
15664 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
15665 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}%
15666 \@outputpage}
15667 \begingroup
15668   \@dblfloatplacement
15669   \@startdblcolumn
15670   \@whilesw \if@fcolmade \fi
15671   {\@outputpage \@startdblcolumn }\endgroup
15672 \@resetst@tics
15673 \@resetdyn@mics
15674 \else % still on same page, save contents of box255
15675 \global\@firstcolumnfalse
15676 \@setcolbox\c@thisframe
15677 \fi
15678 \global\c@thisframe=\@nxtcol
15679 \@setcol{\c@thisframe}\relax
15680 \global\@colht\vsiz
15681 }
15682 \def\@outputpage{%
15683 \begingroup
15684 \let\protect\noexpand
15685 \@resetactivechars
15686 \global\let\@if@newlist\if@newlist
15687 \global\@newlistfalse\@parboxrestore
15688 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
15689 \bidi@beforeoutputpageshipouthook
15690 \shipout\vbox{\set@typeset@protect
15691 \aftergroup
15692 \endgroup
15693 \aftergroup
15694 \set@typeset@protect
15695 \reset@font\normalsize
15696 \bidi@font@@outputpage
15697 \normalsfcodes
15698 \let\label@gobble
15699 \let\index@gobble
15700 \let\glossary@gobble
15701 \baselineskip\z@skip
15702 \lineskip\z@skip
15703 \lineskiplimit\z@
15704 \vskip\topmargin\moveright\@themargin
15705 \vbox{%

```



```

15706 \global\let\bidibeforeheader\@firstofone
15707 \bidibeforeheaderhook
15708 \vskip\headheight
15709 \vskip\headsep
15710 \global\let\bidibeforeoutputboxoutputpage\@firstofone
15711 \bidibeforeoutputboxoutputpagehook
15712 \box\@outputbox
15713 \global\let\bidiafteroutputboxoutputpage\@firstofone
15714 \bidiafteroutputboxoutputpagehook
15715 }%
15716 \global\let\bidiafteroutputpageshipout\@firstofone
15717 \bidiafteroutputpageshipouthook
15718 \global\let\ifnewlist\@ifnewlist
15719 \stepcounter{page}%
15720 \setcounter{displayedframe}{0}%
15721 \let\firstmark\botmark
15722 \global\let\bidiatendoutputpage\@firstofone
15723 \bidiatendoutputpagehook
15724 }
15725
15726
15727 \newcommand*\bidis@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}%
15728 \expandafter\bidicolor\ff@txtcol}
15729
15730 \newcommand{\bidiff@box}[3]{\@ffbackground{\vbox to#2
15731 {\hb@xt@ #1{\hss{\bidis@tfftextcol #3}\hss}\vss\kern\z@}}}}
15732
15733
15734 \renewcommand*{\@docolbox}[1]{%
15735 \edef\ff@frametype{%
15736 \csname @ff@frametype@romannumeral#1\endcsname}%
15737 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
15738 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
15739 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
15740 \@ff@setoffset{#1}%
15741 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
15742 \ifthenelse{\boolean{columnframe\romannumeral#1}}{}}%
15743 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
15744 {\csname colheight\romannumeral#1\endcsname}{%
15745 \expandafter\box\csname column\romannumeral#1\endcsname}{%
15746 \csname\ff@frametype\endcsname}%
15747 }%
15748 \bidiff@box{\csname colwidth\romannumeral#1\endcsname}%
15749 {\csname colheight\romannumeral#1\endcsname}{%
15750 \expandafter\box\csname column\romannumeral#1\endcsname}%
15751 }}}
15752 \@ifclassloaded{book}{%
15753 \renewcommand\theequation
15754 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15755 \renewcommand \thefigure
15756 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15757 \renewcommand \thetable
15758 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15759 \renewcommand \thechapter {\@arabic\c@chapter}

```



```

15760 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15761 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15762 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15763 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15764 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
15765 \@ifclassloaded{report}{%
15766 \renewcommand \theequation
15767   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15768 \renewcommand \thefigure
15769   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15770 \renewcommand \thetable
15771   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15772 \renewcommand \thechapter {\@arabic\c@chapter}
15773 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15774 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15775 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15776 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15777 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
15778 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
15779 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
15780 \else
15781 #2\relax
15782 \fi}

```

## 95 File footnote-xetex-bidi.def

```

15783 \ProvidesFile{footnote-xetex-bidi.def}[2024/12/14 v1.3 bidi footnote macros for XeTeX engine]
15784 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
15785 \newif\ifbidi@autofooterule
15786 \def\bidi@mpfootnoterule{\footnoterule}
15787 \newcounter{footdir@label}
15788 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
15789 \newcommand*{\footdir@write}{%
15790   \stepcounter{footdir@label}%
15791   \zref@labelbyprops{\thefootdir@label}{abspage}%
15792 }
15793 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
15794 \newtoks\footdir@toks
15795 \newcommand*{\footdir@debug}[1]{%
15796   \iffootdir@debug
15797     \typeout{[footdir] #1}%
15798   \fi
15799 }
15800 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
15801 %  \newcommand*{\footdir@LeftRightElse}{%
15802 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
15803 %      \footdir@debug{abspage \the\value{zabspage}: else}%
15804 %      \ltx@thirdofthree
15805 %    }{%
15806 %      \ifcsname footdir@the\value{zabspage}\endcsname L%
15807 %        \footdir@debug{abspage \the\value{zabspage}: left}%
15808 %        \expandafter\ltx@firstofthree
15809 %      \else
15810 %        \footdir@debug{abspage \the\value{zabspage}: right}%

```



```

15811 %           \expandafter\ltx@secondofthree
15812 %           \fi
15813 %       }%
15814 %   }%
15815 %}-%
15816 \providecommand*{\c@zabspage}{\c@abspage}%
15817 \newcommand*{\footdir@LeftRightElse}{%
15818   \footdir@write
15819   \zifrefundefined{\thefootdir@label}{%
15820     \footdir@debug{abspage ??: else}%
15821   \ltx@thirdofthree
15822 }-%
15823   \edef\footdir@abspage{%
15824     \zref@extractdefault{\thefootdir@label}{abspage}{0}%
15825   }%
15826   \ltx@ifundefined{footdir@\footdir@abspage}{%
15827     \footdir@debug{\footdir@abspage: else}%
15828   \ltx@thirdofthree
15829 }-%
15830   \if\csname footdir@\footdir@abspage\endcsname L%
15831     \footdir@debug{\footdir@abspage: left}%
15832     \expandafter\ltx@firstofthree
15833   \else
15834     \footdir@debug{\footdir@abspage: right}%
15835     \expandafter\ltx@secondofthree
15836   \fi
15837 }%
15838 }%
15839 }%
15840 %}
15841 \newcommand*{\footdir@fntext}[1]{%
15842   \zifrefundefined{\thefootdir@label}{%
15843   }-%
15844   \edef\footdir@name{%
15845     footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
15846   }%
15847   \@ifundefined{\footdir@name}{%
15848     \expandafter\gdef\csname\footdir@name\endcsname{#1}%
15849   }{}%
15850 }%
15851 }
15852
15853 \newcommand*{\footdir@temp}[3]{%
15854   \@ifdefinable{#1}{%
15855     \let#1#2%
15856     \renewcommand{#2}[1]{%
15857       \footdir@write
15858       \footdir@fntext{#3}%
15859       \stepcounter{footdir@label}%
15860       \footdir@fntext{#3}%
15861       \footdir@toks{##1}%
15862       \footdir@toks\expandafter{%
15863         \the\expandafter\footdir@toks
15864       \expandafter

```





```

15865     \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
15866     }%
15867     \expandafter#1\expandafter{\the\footdir@toks}%
15868     }%
15869 }%
15870 }
15871
15872 \def\right@footnoterule{%
15873   \kern-3\p@
15874   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15875   \kern2.6\p@}
15876 \def\left@footnoterule{\kern-3\p@
15877   \hrule \@width .4\columnwidth \kern 2.6\p@}
15878 \def\textwidth@footnoterule{\kern-3\p@
15879   \hrule \@width \columnwidth \kern 2.6\p@}
15880 \def\leftfootnoterule{%
15881   \bidi@autofootnoterulefalse%
15882   \def\footnoterule{\left@footnoterule}}
15883 \let\LRfootnoterule=\leftfootnoterule
15884 \def\rightfootnoterule{%
15885   \bidi@autofootnoterulefalse%
15886   \def\footnoterule{\right@footnoterule}}
15887 \def\textwidthfootnoterule{%
15888   \bidi@autofootnoterulefalse%
15889   \def\footnoterule{\textwidth@footnoterule}}
15890
15891
15892
15893 \def\auto@footnoterule{%
15894   \footdir@LeftRightElse%
15895   \left@footnoterule%
15896   \right@footnoterule%
15897   \left@footnoterule%
15898 }
15899
15900
15901
15902 \def\autofootnoterule{%
15903   \bidi@autofootnoteruletrue%
15904   \def\footnoterule{\auto@footnoterule}%
15905 }
15906
15907 \newcommand*\SplitFootnoteRule-{%
15908   \gdef\split@prev{0}
15909   \let\pagefootnoterule\footnoterule
15910   \let\mpfootnoterule\footnoterule
15911   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
15912   \def\footnoterule{\relax
15913     \ifx \@listdepth@\@mplistdepth
15914       \mpfootnoterule
15915     \else
15916       \ifnum\split@prev=\z@
15917         \pagefootnoterule
15918       \else

```



```

15919     \splitfootnoterule
15920     \fi
15921     \xdef\split@prev{\the\insertpenalties}%
15922     \fi
15923 }%
15924 }
15925
15926
15927
15928
15929 \def\RTLfootnote{\@ifnextchar [\@xRTLfootnote{\stepcounter\@mpfn
15930     \protected@xdef\@thefnmark{\thempfn}%
15931     \@footnotemark\@RTLfootnotetext}}
15932 \def\@xRTLfootnote[#1]{%
15933     \begingroup
15934     \csname c@\@mpfn\endcsname #1\relax
15935     \unrestored@protected@xdef\@thefnmark{\thempfn}%
15936     \endgroup
15937     \@footnotemark\@RTLfootnotetext}
15938 \def\LTRfootnote{\@ifnextchar [\@xLTRfootnote{\stepcounter\@mpfn
15939     \protected@xdef\@thefnmark{\thempfn}%
15940     \@footnotemark\@LTRfootnotetext}}
15941 \def\@xLTRfootnote[#1]{%
15942     \begingroup
15943     \csname c@\@mpfn\endcsname #1\relax
15944     \unrestored@protected@xdef\@thefnmark{\thempfn}%
15945     \endgroup
15946     \@footnotemark\@LTRfootnotetext}
15947
15948
15949 \def\setfootnoteRL{\@RTL@footnotetrue}
15950 \def\unsetfootnoteRL{\@RTL@footnotefalse}
15951 \def\setfootnoteLR{\unsetfootnoteRL}
15952
15953 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
15954 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
15955 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
15956
15957 \long\def\@footnotetext#1{\insert\footins{%
15958     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
15959     \reset@font%
15960     \bidi@footnotetext@font% \reset@font\footnotesize
15961     \interlinepenalty\interfootnotelinepenalty
15962     \splittopskip\footnotesep
15963     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
15964     \hsize\columnwidth \@parboxrestore
15965     \protected@edef\@currentlabel{%
15966         \csname p@footnote\endcsname\@thefnmark
15967     }%
15968     \color@begingroup
15969     \@makefntext{%
15970         \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
15971     \color@endgroup}}%
15972

```



```

15973
15974 \long\def\@RTLfootnotetext#1{\insert\footins{%
15975   \RTLtrue%
15976   \reset@font%
15977   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
15978   \interlinepenalty\interfootnotelinepenalty
15979   \splittopskip\footnotesep
15980   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
15981   \hsize\columnwidth \@parboxrestore
15982   \protected@edef\@currentlabel{%
15983     \csname p@footnote\endcsname\@thefnmark
15984   }%
15985   \color@begingroup
15986     \makefntext{%
15987       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
15988   \color@endgroup}}%
15989
15990 \long\def\@LTRfootnotetext#1{\insert\footins{%
15991   \RTLfalse%
15992   \reset@font%
15993   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
15994   \interlinepenalty\interfootnotelinepenalty
15995   \splittopskip\footnotesep
15996   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
15997   \hsize\columnwidth \@parboxrestore
15998   \protected@edef\@currentlabel{%
15999     \csname p@footnote\endcsname\@thefnmark
16000   }%
16001   \color@begingroup
16002     \makefntext{%
16003       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16004   \color@endgroup}}%
16005
16006 \AtBeginDocument{%
16007 \ifRTL@footnote
16008   \newcommand*{\bidi@footdir@footnote}{R}
16009 \else
16010   \newcommand*{\bidi@footdir@footnote}{L}
16011 \fi%
16012 }
16013
16014 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
16015 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
16016 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
16017
16018 \long\def\@mpRTLfootnotetext#1{%
16019   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@foot
16020   \global\setbox\@mpfootins\vbox{%
16021     \unvbox\@mpfootins
16022     \RTLtrue
16023     \reset@font%
16024     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16025     \hsize\columnwidth
16026     \@parboxrestore

```



```

16027 \protected@edef\@currentlabel
16028     {\csname p@mpfootnote\endcsname\@thefnmark}%
16029 \color@begingroup
16030     \@makefnfntext{%
16031         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16032     \color@endgroup}}
16033 \long\def\@mpLTRfootnotetext#1{%
16034 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\@bidi@mpfootnoterule\left@footnot
16035 \global\setbox\@mpfootins\vbox{%
16036     \unvbox\@mpfootins
16037     \@RTLfalse
16038     \reset@font%
16039     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16040     \hsize\columnwidth
16041     \@parboxrestore
16042 \protected@edef\@currentlabel
16043     {\csname p@mpfootnote\endcsname\@thefnmark}%
16044 \color@begingroup
16045     \@makefnfntext{%
16046         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16047     \color@endgroup}}
16048 \long\def\@mpfootnotetext#1{%
16049 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\@bidi@mpfootnot
16050 \global\setbox\@mpfootins\vbox{%
16051     \unvbox\@mpfootins
16052     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
16053     \reset@font%
16054     \bidi@footnotetext@font% \reset@font\footnotesize
16055     \hsize\columnwidth
16056     \@parboxrestore
16057 \protected@edef\@currentlabel
16058     {\csname p@mpfootnote\endcsname\@thefnmark}%
16059 \color@begingroup
16060     \@makefnfntext{%
16061         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16062     \color@endgroup}}
16063 \def\@iiiminipage#1#2[#3]#4{%
16064     \leavevmode
16065     \@pboxswfalse
16066     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
16067     \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
16068     \setlength\@tempdima{#4}%
16069     \def\@mpargs{#1}#2[#3]#4}%
16070 \setbox\@tempboxa\vbox\bgroup
16071     \color@begingroup
16072     \hsize\@tempdima
16073     \textwidth\hsize \columnwidth\hsize
16074     \@parboxrestore
16075     \def\@mpfn{mpfootnote}\def\@thempfn{\thempfootnote}\c@mpfootnote\z@
16076     \let\@footnotetext\@mpfootnotetext
16077     \let\@LTRfootnotetext\@mpLTRfootnotetext
16078     \let\@RTLfootnotetext\@mpRTLfootnotetext
16079     \let\@listdepth\@mplistdepth \@mplistdepth\z@
16080     \@minipagerestore

```



```

16081     \@setminipage}
16082 \def\endminipage{%
16083     \par
16084     \unskip
16085     \ifvoid\@mpfootins\else
16086     \vskip\skip\@mpfootins
16087     \normalcolor
16088     \bidi@mpfootnoterule
16089     \unvbox\@mpfootins
16090     \fi
16091     \@minipagefalse    %% added 24 May 89
16092 \color@endgroup
16093 \egroup
16094 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}
16095 \def\LTRthanks#1{\footnotemark
16096     \protected@xdef\@thanks{\@thanks
16097         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
16098 }
16099 \def\LTRfootnotetext{%
16100     \@ifnextchar [\@xLTRfootnotenext
16101         {\protected@xdef\@thefnmark{\thempfn}%
16102         \@LTRfootnotetext}}
16103 \def\@xLTRfootnotenext[#1]{%
16104     \begingroup
16105     \csname c@\@mpfn\endcsname #1\relax
16106     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16107     \endgroup
16108     \@LTRfootnotetext}
16109 \def\RTLthanks#1{\footnotemark
16110     \protected@xdef\@thanks{\@thanks
16111         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
16112 }
16113 \let\@thanks\@empty
16114 \def\RTLfootnotetext{%
16115     \@ifnextchar [\@xRTLfootnotenext
16116         {\protected@xdef\@thefnmark{\thempfn}%
16117         \@RTLfootnotetext}}
16118 \def\@xRTLfootnotenext[#1]{%
16119     \begingroup
16120     \csname c@\@mpfn\endcsname #1\relax
16121     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16122     \endgroup
16123     \@RTLfootnotetext}
16124 \leftfootnoterule

```

## 96 File footnotebackref-xetex-bidi.def

```

16125 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
16126 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
16127 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
16128
16129 \renewcommand*\LTRfootnote{%
16130     \refstepcounter{BackrefHyperFootnoteCounter}%
16131     \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%

```



```

16132 \label{\BackrefFootnoteTag}%
16133 \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote]
16134
16135 \renewcommand*\RTLfootnote{%
16136 \refstepcounter{BackrefHyperFootnoteCounter}%
16137 \edef\BackrefFootnoteTag{bhn:\theBackrefHyperFootnoteCounter}%
16138 \label{\BackrefFootnoteTag}%
16139 \@ifnextchar [\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote]
16140 \newcommand\Backref@HyperLTRFootnote[1]{%
16141 \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
16142
16143 \newcommand\Backref@HyperRTLFootnote[1]{%
16144 \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
16145
16146 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
16147 \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
16148
16149 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
16150 \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
16151
16152 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
16153 \ifFootnoteBackref@numberlinked
16154 \renewcommand{\footfootmark}{%
16155 \ifdim\footmarkwidth < \z@
16156 \llap{\hb@xt@ -\footmarkwidth{%
16157 \hss\normalfont\footscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16158 \hspace*{-\footmarkwidth}}%
16159 \else
16160 \ifdim\footmarkwidth = \z@
16161 {\normalfont\footscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16162 \else
16163 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16164 \fi
16165 \fi}
16166 \renewcommand{\LTRfootfootmark}{%
16167 \ifdim\footmarkwidth < \z@
16168 \llap{\hb@xt@ -\footmarkwidth{%
16169 \hss\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16170 \hspace*{-\footmarkwidth}}%
16171 \else
16172 \ifdim\footmarkwidth = \z@
16173 {\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16174 \else
16175 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16176 \fi
16177 \fi}
16178 \renewcommand{\RTLfootfootmark}{%
16179 \ifdim\footmarkwidth < \z@
16180 \llap{\hb@xt@ -\footmarkwidth{%
16181 \hss\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16182 \hspace*{-\footmarkwidth}}%
16183 \else
16184 \ifdim\footmarkwidth = \z@
16185 {\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%

```



```

16186 \else
16187 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@t
16188 \fi
16189 \fi}
16190 \fi
16191 }

```

## 97 File framed-xetex-bidi.def

```

16192 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for
16193 \renewcommand\TitleBarFrame[3] [] {\begingroup
16194 \ifx\delimiter#1\delimiter
16195 \let\TF@conlab\@empty
16196 \else
16197 \def\TF@conlab{% continuation label
16198 \nointerlineskip
16199 \smash{\rlap{\kern\wd\@tempboxa\kern\fb@xrule\kern\fb@xsep #1}}}%
16200 \fi
16201 %\let\TF@savecolor\current@color
16202 \textcolor{TF@FrameColor}{%
16203 \CustomFBox
16204 {\TF@Title{#2}}{\TF@conlab}}%
16205 \fb@xrule\fb@xrule\fb@xrule\fb@xrule
16206 %{\let\current@color\TF@savecolor\set@color #3}%
16207 {\normalcolor #3}%
16208 }\endgroup
16209 }
16210 \renewenvironment{titled-frame}[1]{%
16211 \def\FrameCommand{\fb@xsep8pt\fb@xrule2pt
16212 \TitleBarFrame{\textbf{#1}}}%
16213 \def\FirstFrameCommand{\fb@xsep8pt\fb@xrule2pt
16214 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
16215 \def\MidFrameCommand{\fb@xsep8pt\fb@xrule2pt
16216 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1} (con
16217 \def\LastFrameCommand{\fb@xsep8pt\fb@xrule2pt
16218 \TitleBarFrame{\textbf{#1} (cont)}}}%
16219 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
16220 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
16221 % could interfere with the width measurement.
16222 {\endMakeFramed}
16223 \chardef\FrameRestore=\catcode`\| % for debug
16224 \catcode`\|= \catcode`\% % (debug: insert space after backslash)
16225 \def\fb@put@frame#1#2{\relax
16226 \ifdim\pagegoal=\maxdimen \pagegoal\vsz \fi
16227 | \message{===== Entering putframe =====^^J
16228 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
16229 \ifinner
16230 \fb@putboxa#1%
16231 \fb@afterframe
16232 \else
16233 \dimen@ \pagegoal \advance\dimen@-\pagetotal % natural space left on page
16234 \ifdim\dimen@<2\baselineskip % Too little room on page
16235 | \message{Page has only \the\dimen@space room left; eject.}%
16236 \eject \fb@adjheight \fb@put@frame#1#2%

```



```

16237 \else % there's appreciable room left on the page
16238   \fb@sizeofframe#1%
16239 |   \message{\string\pagetotal=\the\pagetotal,
16240 |     \string\pagegoal=\the\pagegoal,
16241 |     \string\pagestretch=\the\pagestretch,
16242 |     \string\pageshrink=\the\pageshrink,
16243 |     \string\fb@frh=\the\fb@frh. \space}
16244 |   \message{^^JBox of size \the\ht\@tempboxa\space}%
16245   \begingroup % temporarily set \dimen@ to be...
16246   \advance\dimen@.8\pageshrink % maximum space available on page
16247   \advance\dimen@-\fb@frh\relax % max space available for frame's contents
16248 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
16249   \expandafter\endgroup
16250   % expand \ifdim, then restore \dimen@ to real room left on page
16251   \ifdim\dimen@>\ht\@tempboxa % whole box does fit
16252 |     \message{fits in \the\dimen@. }%
16253     % ToDo: Change this to use vsplit anyway to capture the marks
16254     % MERGE THIS WITH THE else CLAUSE!!!
16255     \fb@putboxa#1%
16256     \fb@afterframe
16257   \else % box must be split
16258 |     \message{must be split to fit in \the\dimen@. }%
16259     % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
16260     \fb@sizeofframe#2%
16261     \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
16262       \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
16263       \kern137sp\kern-137sp\penalty-30
16264       \unvbox\@tempboxa}%
16265     \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
16266       \splittopskip\the\splittopskip}%
16267     \boxmaxdepth\z@ \splittopskip\z@
16268 |     \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
16269     % Split box here
16270     \setbox\tw@vsplit\@tempboxa to\dimen@
16271 |     \toks99\expandafter{\splitfirstmark}%
16272 |     \toks98\expandafter{\splitbotmark}%
16273 |     \message{Marks are: \the\toks99, \the\toks98. }%
16274     \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
16275 |     \message{Natural height of split box is \the\ht\tw@, leaving
16276 |       \the\ht\@tempboxa\space remainder. }%
16277     % If the split-to size > (\vsize-\topskip), then set box to full size.
16278     \begingroup
16279     \advance\dimen@\topskip
16280     \expandafter\endgroup
16281     \ifdim\dimen@>\pagegoal
16282 |     \message{Frame is big -- Use up the full column. }%
16283     \dimen@ii\pagegoal
16284     \advance\dimen@ii -\topskip
16285     \advance\dimen@ii \FrameHeightAdjust\relax
16286   \else % suspect this is implemented incorrectly:
16287     % If the split-to size > feasible room_on_page, rebox it smaller.
16288     \advance\dimen@.8\pageshrink
16289     \ifdim\ht\tw@>\dimen@
16290 |     \message{Box too tall; rebox it to \the\dimen@. }%

```





```

16291         \dimen@ii\dimen@
16292         \else % use natural size
16293             \dimen@ii\ht\tw@
16294         \fi
16295     \fi
16296     % Re-box contents to desired size \dimen@ii
16297     \advance\dimen@ii -\fb@frh
16298     \setbox\tw@\vbox to\dimen@ii \bgroup
16299     % remove simulated frame and page flexibility:
16300     \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
16301     \unvbox\tw@ \unpenalty\unpenalty
16302     \ifdim\lastkern=-137sp % whole box went to next page
16303 |         \message{box split at beginning! }%
16304         % need work here???
16305         \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
16306         \fb@adjheight
16307         \fb@put@frame#1#2% INSERTED ???
16308     \else % Got material split off at the head
16309         \egroup \fb@resto@set
16310         \ifvoid\@tempboxa % it all fit after all
16311 |         \message{box split at end! }%
16312         \setbox\@tempboxa\box\tw@
16313         \fb@putboxa#1%
16314         \fb@afterframe
16315     \else % it really did split
16316 |         \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
16317         \ifdim\wd\tw@>\z@
16318             \wd\tw@\wd\@tempboxa
16319             \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
16320         \else
16321 |         \message{Zero width means likely blank. Don't frame it (guess)}%
16322         \box\tw@
16323         \fi
16324         \hrule \@height\z@ \@width\hsize
16325         \eject
16326         \fb@adjheight
16327         \fb@put@frame\LastFrameCommand\MidFrameCommand
16328     \fi\fi\fi\fi\fi
16329 }
16330 \def\fb@putboxa#1{%
16331     \ifvoid\@tempboxa
16332         \PackageWarning{framed}{Boxa is void -- discard it. }%
16333     \else
16334 |         \message{Frame and place boxa. }%
16335 |         %{\showoutput\showbox\@tempboxa}%
16336         \centerline{#1{\hboxL{\box\@tempboxa}}}%
16337     \fi
16338 }
16339 \catcode`\|= \FrameRestore
16340 \def\FrameRestore{%
16341     \let\if@nobreak\iffalse
16342     \let\if@noskipsec\iffalse
16343     \let\-\@dischyph
16344     \let'\@acci\let'\@accii\let=\@acciii

```



```

16345 % \message{FrameRestore:
16346 %   \@totalleftmargin=\the \@totalleftmargin,
16347 %   \rightmargin=\the\rightmargin,
16348 %   \@listdepth=\the\listdepth. }%
16349 % Test if we are in a list (or list-like paragraph)
16350 \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
16351     \ifdim\rightmargin>\z@ 1\fi
16352     \ifnum\@listdepth>\z@ 1\fi 0>\z@
16353 %   \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
16354 %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
16355 %     \labelwidth=\the\labelwidth. }%
16356 \@setminipage % snug fit around the item
16357 % Now try to propagate changes of width from \hsize to list parameters.
16358 % This is deficient, but a more advanced way to indicate modification to text
16359 % dimensions is not (yet) provided; in particular, no separate left/right
16360 % adjustment.
16361 \advance\linewidth-\columnwidth \advance\linewidth\hsize
16362 \parshape\@ne \@totalleftmargin \linewidth
16363 \else % Not in list
16364 \linewidth=\hsize
16365 %\message{No list, set \string\linewidth=\the\hsize. }%
16366 \fi
16367 \sloppy
16368 }

```

## 98 File `ftnright-xetex-bidi.def`

```

16369 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
16370
16371 \def\prepare@bidi@copyins{%
16372   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
16373   \global\skip\@bidi@copyins@\z@
16374   \global\count\@bidi@copyins@\z@
16375   \global\dimen\@bidi@copyins@\textheight}
16376
16377 \newskip\bidi@rcol@copyinsskip
16378
16379 \def\LTR@outputdblcol{%
16380   \if@firstcolumn
16381     \global\@firstcolumnfalse
16382     \global\setbox\@leftcolumn\copy\@outputbox
16383     \global\count\footins\@m
16384     \global\skip\footins\rcol@footinsskip
16385     \global\count\@bidi@copyins@\@m
16386     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16387     \splitmaxdepth\maxdimen
16388     \vbadness\maxdimen
16389     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16390     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16391     \toks@\expandafter{\topmark}%
16392     \xdef\@firstcoltopmark{\the\toks@}%
16393     \toks@\expandafter{\splitfirstmark}%
16394     \xdef\@firstcolfirstmark{\the\toks@}%
16395     \ifx\@firstcolfirstmark\@empty

```



```

16396     \global\let\@setmarks\relax
16397   \else
16398     \gdef\@setmarks{%
16399       \let\firstmark\@firstcolfirstmark
16400       \let\topmark\@firstcoltopmark}%
16401   \fi
16402 \else
16403   \preparefootins
16404   \prepare@bidi@copyins
16405   \global\@firstcolumntrue
16406   \setbox\@outputbox\vbox{%
16407     \hb@xt@\textwidth{%
16408       \hb@xt@\columnwidth{%
16409         \bidi@firstcolumn@status@write%
16410         \box\@leftcolumn \hss}%
16411     \hfil
16412     {\normalcolor\vrule \@width\columnseprule}%
16413     \hfil
16414     \hb@xt@\columnwidth{%
16415       \bidi@lastcolumn@status@write%
16416       \box\@outputbox \hss}}}%
16417 \@combinedblfloats
16418   \@setmarks
16419   \@outputpage
16420   \begingroup
16421     \@dblfloatplacement
16422     \@startdblcolumn
16423     \@whilesw@if@colmade \fi{\@outputpage
16424     \@startdblcolumn}%
16425   \endgroup
16426 \fi}%
16427
16428 \def\RTL@outputdblcol{%
16429   \if@firstcolumn
16430     \global\@firstcolumnfalse
16431     \global\setbox\@leftcolumn\copy\@outputbox
16432     \global\count\footins\@m
16433     \global\skip\footins\rcol@footinsskip
16434     \global\count\@bidi@copyins@\@m
16435     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16436     \splitmaxdepth\maxdimen
16437     \vbadness\maxdimen
16438     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16439     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16440     \toks@\expandafter{\topmark}%
16441     \xdef\@firstcoltopmark{\the\toks@}%
16442     \toks@\expandafter{\splitfirstmark}%
16443     \xdef\@firstcolfirstmark{\the\toks@}%
16444     \ifx\@firstcolfirstmark\@empty
16445       \global\let\@setmarks\relax
16446     \else
16447       \gdef\@setmarks{%
16448         \let\firstmark\@firstcolfirstmark
16449         \let\topmark\@firstcoltopmark}%

```



```

16450 \fi
16451 \else
16452 \preparefootins
16453 \prepare@bidi@copyins
16454 \global\@firstcolumntrue
16455 \setbox\@outputbox\vbox{%
16456 \hb@xt@\textwidth{%
16457 \hskip \columnwidth
16458 \hfil
16459 {\normalcolor\vrule \@width\columnseprule}%
16460 \hfil
16461 \hb@xt@\columnwidth{%
16462 \bidi@firstcolumn@status@write%
16463 \box\@leftcolumn \hss}%
16464 \hskip -\textwidth
16465 \hb@xt@\columnwidth{%
16466 \bidi@lastcolumn@status@write%
16467 \box\@outputbox \hss}%
16468 \hskip \columnsep
16469 \hskip \columnwidth }}%
16470 \@combinedblfloats
16471 \@setmarks
16472 \@outputpage
16473 \begingroup
16474 \@dblfloatplacement
16475 \@startdblcolumn
16476 \@whilesw@if@colmade \fi{\@outputpage
16477 \@startdblcolumn}%
16478 \endgroup
16479 \fi}%
16480
16481 \def\@startcolumn{%
16482 \ifx\@deferlist\@empty
16483 \global\@fcolmadefalse
16484 \global\@colroom\@colht
16485 \else
16486 \ifvoid\footins\else
16487 \ftn@amount\ht\footins
16488 \advance\ftn@amount\dp\footins
16489 \advance\ftn@amount\skip\footins
16490 \fi
16491 \ifvoid\@bidi@copyins\else
16492 \bidi@copyins@amount\ht\@bidi@copyins@
16493 \advance\bidi@copyins@amount\dp\@bidi@copyins@
16494 \advance\bidi@copyins@amount\skip\@bidi@copyins@
16495 \fi
16496 \global\advance\@colht-\ftn@amount
16497 \global\advance\@colht-\bidi@copyins@amount
16498 \global\@colroom\@colht
16499 \@xstartcol
16500 \global\advance\@colht\ftn@amount
16501 \global\advance\@colroom\ftn@amount
16502 \global\advance\@colht\bidi@copyins@amount
16503 \global\advance\@colroom\bidi@copyins@amount

```



```

16504 \fi
16505 \if@fcolmade
16506 \setbox\@cclv\box\@outputbox
16507 \@makecol
16508 \else
16509 \ifvoid\footins\else
16510 \insert\footins{\unvbox\footins}\fi
16511 \ifvoid\@bidi@copyins@\else
16512 \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
16513 \fi}
16514
16515 \newdimen\@bidi@copyins@amount
16516
16517 \def\@makecol{\if@firstcolumn
16518 \setbox\@outputbox\box\@cclv
16519 \if@twocolumn \else
16520 \ifvoid\footins \else
16521 \@latexerr{ftnright package
16522 used in one-column mode}}%
16523 {The ftnright package was designed to
16524 work with LaTeX's standard^^Jtwocolumn
16525 option. It does *not* work with the
16526 multicol package.^^JSo please specify
16527 `twocolumn' in the
16528 \noexpand\documentclass command.}%
16529 \shipout\box\footins \fi
16530 \ifvoid\@bidi@copyins@ \else
16531 \@latexerr{ftnright package
16532 used in one-column mode}}%
16533 {The ftnright package was designed to
16534 work with LaTeX's standard^^Jtwocolumn
16535 option. It does *not* work with the
16536 multicol package.^^JSo please specify
16537 `twocolumn' in the
16538 \noexpand\documentclass command.}%
16539 \shipout\box\@bidi@copyins@ \fi\fi
16540 \ifnum\insertpenalties>\z@
16541 \@latexerr{ftnright package
16542 scrambled footnotes}}%
16543 {There is too much footnote material in
16544 the first column and ftnright^^Jis
16545 unable to cope with this.^^JYou need
16546 to reduce the amount to get a properly
16547 formatted page.}%
16548 \fi
16549 \else
16550 \ifvoid\footins
16551 \ifvoid\@bidi@copyins@
16552 \setbox\@outputbox\box\@cclv
16553 \else
16554 \setbox\@outputbox\vbox
16555 {\ifvoid\@cclv \else
16556 \unvbox\@cclv
16557 \vskip \skip\@bidi@copyins@

```



```

16558     \fi
16559     \color@begingroup
16560     \normalcolor
16561     \unvbox \@bidi@copyins@
16562     \color@endgroup}%
16563 \fi
16564 \else
16565 \setbox\@outputbox\vbox
16566 {\ifvoid\@cclv \else
16567 \unvbox\@cclv
16568 \vskip\skip\footins\fi
16569 \color@begingroup
16570 \normalcolor
16571 \footnoterule\unvbox\footins
16572 \color@endgroup
16573 \ifvoid\@bidi@copyins@
16574 \else
16575 \vskip \skip\@bidi@copyins@
16576 \color@begingroup
16577 \normalcolor
16578 \unvbox \@bidi@copyins@
16579 \color@endgroup
16580 \fi
16581 }%
16582 \fi
16583 \fi
16584 \xdef\@freelist{\@freelist\@midlist}%
16585 \global \let \@midlist \@empty
16586 \@combinefloats
16587 \ifvbox\@kludgeins
16588 \@makespecialcolbox
16589 \else
16590 \setbox\@outputbox\vbox to\@colht
16591 {\boxmaxdepth\maxdepth
16592 \@texttop
16593 \@tempdima\dp\@outputbox
16594 \unvbox\@outputbox
16595 \vskip-\@tempdima
16596 \@textbottom}%
16597 \fi
16598 \global\maxdepth\@maxdepth}
16599
16600 \let\leftfootnoterule\@empty
16601 \let\rightfootnoterule\@empty
16602 \let\textwidthfootnoterule\@empty
16603 \let\autofootnoterule\@empty
16604 \let\footnoterule\@empty
16605 \long\def\@makefntext#1{\parindent 1em
16606 \noindent\hbox to 2em{}}%
16607 \llap{\@thefnmark\hbox{.}\,\,}#1}
16608
16609 \setlength{\skip\@bidi@copyins@}
16610 {10pt plus 5pt minus 3pt}
16611 \AtBeginDocument{\prepare@bidi@copyins}

```



## 99 File graphicx-xetex-bidi.def

```
16612 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
16613 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
16614 \Grot@setangle{#1}%
16615 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL
16616 \Grot@x\z@
16617 \Grot@y\z@
16618 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
16619 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16620 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
16621 \Grot@x\width \divide\Grot@x\tw@
16622 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
16623 \setkeys{Grot}{#1}%
16624 \setbox\z@\box\@tempboxa
16625 \Grot@setangle{#2}%
16626 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16627 \@end@tempboxa}
16628 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16629 \leavevmode
16630 \def\Gscale@x{#1}\def\Gscale@y{#2}%
16631 \setbox\z@\hbox{#3}%
16632 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16633 \ifdim#2\p@<\z@
16634 \ht\tw@-#2\dp\z@
16635 \dp\tw@-#2\ht\z@
16636 \else
16637 \ht\tw@#2\ht\z@
16638 \dp\tw@#2\dp\z@
16639 \fi
16640 \ifdim#1\p@<\z@
16641 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16642 \else
16643 \wd\tw@#1\wd\z@
16644 \box\tw@
16645 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16646 \def\Gin@iii[#1,#2][#3,#4]#5{%
16647 \begingroup
16648 \ifmmode\else\if@RTL\beginL\fi\fi
16649 \Gin@bboxtrue
16650 \Gin@defaultbp\Gin@llx{#1}%
16651 \Gin@defaultbp\Gin@lly{#2}%
16652 \Gin@defaultbp\Gin@urx{#3}%
16653 \Gin@defaultbp\Gin@ury{#4}%
16654 \Gin@include@graphics{#5}%
16655 \ifmmode\else\if@RTL\endL\fi\fi
16656 \endgroup}
16657 \def\Gin@ii[#1]#2{%
16658 \def\@tempa{[]}\def\@tempb{#2}%
16659 \ifx\@tempa\@tempb
16660 \def\@tempa{\Gin@iii[#1][}%
16661 \expandafter\@tempa
16662 \else
16663 \begingroup
```



```

16664     \ifmmode\else\if@RTL\beginL\fi\fi
16665     \@tempswafalse
16666     \toks@{\Gincludgraphics{#2}}%
16667     \setkeys{Gin}{#1}%
16668     \Gin@esetsize
16669     \the\toks@
16670     \ifmmode\else\if@RTL\endL\fi\fi
16671     \endgroup
16672     \fi}
16673 \def\reflectbox{\bidiGscale@box-1[1]}
16674 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16675 \leavevmode
16676 \def\Gscale@x{#1}\def\Gscale@y{#2}%
16677 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
16678 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16679 \ifdim#2\p@<\z@
16680     \ht\tw@-#2\dp\z@
16681     \dp\tw@-#2\ht\z@
16682 \else
16683     \ht\tw@#2\ht\z@
16684     \dp\tw@#2\dp\z@
16685 \fi
16686 \ifdim#1\p@<\z@
16687     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@hss}%
16688 \else
16689     \wd\tw@#1\wd\z@
16690     \box\tw@
16691 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16692 \def\scalebox#1{%
16693 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}]
16694 \def\resizebox{%
16695 \leavevmode
16696 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
16697 \def\bidiGscale@@box#1#2#3{%
16698 \let\@tempa\Gin@exclamation
16699 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
16700 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
16701 \ifx\@tempb\@tempa
16702     \ifx\@tempc\@tempa
16703         \toks@{\mbox}%
16704     \else
16705         \toks@{\bidiGscale@box@dd{#3}#1}%
16706     \fi
16707 \else
16708     \ifx\@tempc\@tempa
16709         \toks@{\bidiGscale@box@dd{#2}\width}%
16710     \else
16711         \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
16712     \fi
16713 \fi
16714 \the\toks@}
16715 \long\def\bidiGscale@box@dd#1#2#3{%
16716 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
16717 \setlength\@tempdima{#1}%

```





```

16718 \setlength\@tempdimb{#2}%
16719 \Gscale@div\@tempa\@tempdima\@tempdimb
16720 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
16721 \@end@tempboxa}
16722 \long\def\ bidiGscale@box@dddd#1#2#3#4#5{%
16723 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\fi
16724 \setlength\@tempdima{#1}%
16725 \setlength\@tempdimb{#2}%
16726 \Gscale@div\@tempa\@tempdima\@tempdimb
16727 \setlength\@tempdima{#3}%
16728 \setlength\@tempdimb{#4}%
16729 \Gscale@div\@tempb\@tempdima\@tempdimb
16730 \ifGin@iso
16731 \ifdim\@tempa\p>\@tempb\p@
16732 \let\@tempa\@tempb
16733 \else
16734 \let\@tempb\@tempa
16735 \fi
16736 \fi
16737 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
16738 \@end@tempboxa}

```

## 100 File geometry-xetex-bidi.def

```

16739 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
16740 \renewcommand*\Gm@vrules@mpi{%
16741 \if@RTLmain%
16742 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16743 \llap{\Gm@vrule}\ignorespaces
16744 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16745 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
16746 \else%
16747 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16748 \hskip \textwidth\Gm@vrule\hskip \marginparsep
16749 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
16750 \renewcommand*\Gm@vrules@mpii{%
16751 \if@RTLmain%
16752 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16753 \hskip \textwidth\Gm@vrule\hskip \marginparsep
16754 \llap{\Gm@vrule}\hfil\Gm@vrule}%
16755 \else%
16756 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16757 \llap{\Gm@vrule}\ignorespaces
16758 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16759 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
16760 \bidi@patchcmd{\Gm@pageframes}{%
16761 \ifodd\count\z@
16762 \let\@themargin\oddsidemargin
16763 \else
16764 \let\@themargin\evensidemargin
16765 \fi
16766 }{%
16767 \ifodd\count\z@
16768 \if@RTLmain

```



```

16769         \let\@themargin\evensidemargin
16770     \else
16771         \let\@themargin\oddsidemargin
16772     \fi
16773 \else
16774     \if@RTLmain
16775         \let\@themargin\oddsidemargin
16776     \else
16777         \let\@themargin\evensidemargin
16778     \fi
16779 \fi
16780 }{}{}

```

## 101 File hvfloat-xetex-bidi.def

```

16781 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
16782 \def\do@hvFloat[#1]#2#3{%
16783 \def\hv@shortCap{#1}
16784 \def\hv@longCap{#2}
16785 \def\hv@label{#3}
16786 %\newcommand*\{hvFloat}[5] [] {%
16787 % [#1]: keyvalues
16788 % #2: type figure | table | ...
16789 % #3: float contents
16790 % [#4]: short caption
16791 % #5: caption
16792 % #6: label
16793 % \setDefault%
16794 \def\@tempa{#1}%
16795 \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
16796 \def\@tempa{90}%
16797 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
16798 \else \setlength{\hvMaxCapWidth}{\linewidth}
16799 \fi
16800 %
16801 % First we save the object in \hvObjectBox
16802 %
16803 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
16804 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
16805 \else
16806 \savebox{\hvObjectBox}{%
16807 \rotatebox{\hvSet@objectAngle}{%
16808 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
16809 \fi
16810 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
16811 %
16812 % Now we save the caption with its defined \hvCapWidth
16813 %
16814 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
16815 \else
16816 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
16817 \else
16818 \setlength{\hvCapWidth}{\hvObjectWidth}
16819 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi

```



```

16820     \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
16821     \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
16822 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
16823     \else
16824 \setlength{\hvCapWidth}{\hvMaxCapWidth}
16825     \fi
16826 \fi
16827 \fi
16828 %
16829 % now we have the object and the caption with the right
16830 % rotated angles saved in boxes
16831 %
16832 \def\fps@figure{\hvSet@floatPos}
16833 \ifhv@nonFloat\begin{group}% Start the nonfloat part
16834 \else \begin{\hv@floatType}% Start the floating environment
16835 \fi%
16836 \saveCaptionSkip% we put this space ourselves
16837 \ifx\hvSet@capAngle\hv@Width % need rotation?
16838 \sbox{\hvCaptionBox}{%
16839 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
16840 \ifhv@nonFloat%
16841 \ifhv@onlyText#2%
16842 \else%
16843 \ifx\hv@floatType\hv@figure
16844 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
16845 \else
16846 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
16847 \fi
16848 \fi
16849 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
16850 \fi%
16851 \label{#3}%
16852 \end{minipage}%
16853 }%
16854 \else%
16855 \sbox{\hvCaptionBox}{%
16856 \rotatebox{\hvSet@capAngle}{%
16857 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
16858 \ifhv@nonFloat%
16859 \ifhv@onlyText#2%
16860 \else%
16861 \ifx\hv@floatType\hv@figure
16862 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
16863 \else
16864 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
16865 \fi
16866 \fi
16867 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
16868 \fi%
16869 \label{#3}%
16870 \end{minipage}%
16871 }%
16872 }%
16873 \fi%

```



```

16874 %%
16875 \restoreCaptionSkip% save old values
16876 \ifx\hvSet@objectPos\hv@Right\bidicraggedleft%
16877 \else%
16878 \ifx\hvSet@objectPos\hv@Center
16879 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
16880 \fi%
16881 \fi%
16882 %
16883 % to rotate object and caption together, we save all in another box
16884 % the caption comes first, if its on the left or the top
16885 %
16886 \savebox{\@tempboxa}{%
16887 \ifx\hvSet@capPos\hv@Left % caption on left side
16888 \if@RTL%
16889 \ifx\hvSet@capVPos\hv@Center%
16890 \ifhv@fbox
16891 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
16892 \else
16893 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
16894 \fi%
16895 \hspace{\hvSet@floatCapSep pt}%
16896 \ifhv@fbox
16897 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
16898 \else
16899 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
16900 \fi%
16901 \else%
16902 \ifx\hvSet@capVPos\hv@Top
16903 \ifhv@fbox
16904 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
16905 \else
16906 \raisebox{-\height}{\usebox{\hvObjectBox}}%
16907 \fi%
16908 \hspace{\hvSet@floatCapSep pt}%
16909 \ifhv@fbox
16910 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
16911 \else
16912 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
16913 \fi
16914 \else
16915 \ifhv@fbox
16916 \fbox{\usebox{\hvObjectBox}}%
16917 \else
16918 \usebox{\hvObjectBox}%
16919 \fi
16920 \hspace{\hvSet@floatCapSep pt}%
16921 \ifhv@fbox
16922 \fbox{\usebox{\hvCaptionBox}}%
16923 \else
16924 \usebox{\hvCaptionBox}%
16925 \fi%
16926 \fi%
16927 \fi%

```



```

16928 \else% not RTL
16929   \ifx\hvSet@capVPos\hv@Center%
16930     \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
16931     \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
16932     \fi%
16933     \hspace{\hvSet@floatCapSep pt}% capfloatsep
16934     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
16935     \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
16936     \fi%
16937 \else%
16938   \ifx\hvSet@capVPos\hv@Top % caption at top
16939     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
16940     \else      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
16941     \fi
16942     \hspace{\hvSet@floatCapSep pt}% capfloatsep
16943     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
16944     \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
16945     \fi%
16946 \else% caption on bottom
16947   \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
16948   \else\usebox{\hvCaptionBox}
16949   \fi%
16950   \hspace{\hvSet@floatCapSep pt}%
16951   \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
16952   \else      \usebox{\hvObjectBox}
16953   \fi%
16954 \fi%
16955 \fi% end of RTL
16956 \fi%
16957 \else
16958   \ifx\hvSet@capPos\hv@Top
16959     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
16960     \begin{minipage}{\wd\hvCaptionBox}
16961     \else
16962     \begin{minipage}{\wd\hvObjectBox}
16963     \fi
16964     \centering
16965     \ifhv@fbox
16966     \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
16967     \fbbox{\usebox{\hvObjectBox}}
16968     \else
16969     \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
16970     \usebox{\hvObjectBox}
16971     \fi%
16972     \end{minipage}
16973   \else
16974     \ifx\hvSet@capPos\hv@Bottom
16975     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
16976     \begin{minipage}{\wd\hvCaptionBox}
16977     \else
16978     \begin{minipage}{\wd\hvObjectBox}
16979     \fi
16980     \centering
16981     \ifhv@fbox

```



```

16982     \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
16983     \fbox{\usebox{\hvCaptionBox}}
16984     \else
16985     \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
16986     \usebox{\hvCaptionBox}
16987     \fi%
16988     \end{minipage}
16989     \else% the last option: put the caption on the right
16990 \if@RTL%
16991     \ifx\hvSet@capVPos\hv@Center%
16992     \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
16993     \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
16994     \fi%
16995     \hspace{\hvSet@floatCapSep pt}% capfloatsep
16996     \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
16997     \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
16998     \fi%
16999 \else%
17000     \ifx\hvSet@capVPos\hv@Top % caption at top
17001     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17002     \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17003     \fi
17004     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17005     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17006     \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
17007     \fi%
17008     \else% caption on bottom
17009     \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
17010     \else\usebox{\hvCaptionBox}
17011     \fi%
17012     \hspace{\hvSet@floatCapSep pt}%
17013     \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
17014     \else \usebox{\hvObjectBox}
17015     \fi%
17016     \fi%
17017     \fi%
17018 \else% not RTL
17019     \ifx\hvSet@capVPos\hv@Center%
17020     \ifhv@fbox
17021     \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
17022     \else
17023     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17024     \fi%
17025     \hspace{\hvSet@floatCapSep pt}%
17026     \ifhv@fbox
17027     \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17028     \else
17029     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17030     \fi%
17031     \else%
17032     \ifx\hvSet@capVPos\hv@Top
17033     \ifhv@fbox
17034     \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17035     \else

```



```

17036     \raisebox{-\height}{\usebox{\hvObjectBox}}%
17037     \fi%
17038     \hspace{\hvSet@floatCapSep pt}%
17039     \ifhv@fbox
17040     \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17041     \else
17042     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17043     \fi
17044     \else
17045     \ifhv@fbox
17046     \fbox{\usebox{\hvObjectBox}}%
17047     \else
17048     \usebox{\hvObjectBox}%
17049     \fi
17050     \hspace{\hvSet@floatCapSep pt}%
17051     \ifhv@fbox
17052     \fbox{\usebox{\hvCaptionBox}}%
17053     \else
17054     \usebox{\hvCaptionBox}%
17055     \fi%
17056     \fi%
17057     \fi
17058 \fi% end of RTL
17059     \fi
17060     \fi
17061     \fi
17062 }% End savebox Object and caption
17063 %
17064 % now we rotate the object and caption, if needed
17065 %
17066 \ifx\hvSet@rotAngle\hv@Zero
17067 \usebox{\@tempboxa}
17068 \else
17069 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
17070 \fi
17071 \ifhv@nonFloat
17072 \ifx\hvSet@objectPos\hv@Center
17073 \ifhv@nonFloat
17074 \hspace{\fill}
17075 \fi
17076 \fi
17077 \endgroup% End the nonfloat part
17078 \else
17079 \end{\hv@floatType}% End the floating environment
17080 \fi
17081 }

```

## 102 File hyperref-xetex-bidi.def

```

17082 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
17083 \AtBeginDocument{%
17084 \def\contentsline#1#2#3#4{%
17085 \ifx\#4\%
17086 \csname l@#1\endcsname{#2}{#3}%

```



```

17087 \else
17088   \ifcase\Hy@linktoc % none
17089     \csname l@#1\endcsname{#2}#{3}%
17090   \or % section
17091     \csname l@#1\endcsname{%
17092       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17093     }#{3}%
17094   \or % page
17095     \csname l@#1\endcsname{#2}#{3}%
17096     \hyper@linkstart{link}{#4}#{3}\hyper@linkend
17097   }%
17098   \else % all
17099     \csname l@#1\endcsname{%
17100       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17101     }#{3}%
17102     \hyper@linkstart{link}{#4}#{3}\hyper@linkend
17103   }%
17104   \fi
17105 \fi
17106 }
17107 \ifHy@hyperfootnotes
17108   \let\H@@footnotetext\@footnotetext
17109   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
17110   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
17111   \def\xfootnotenext[#1]{%
17112     \begingroup
17113       \csname c@\@mpfn\endcsname #1\relax
17114       \unrestored@protected@xdef\@thefnmark{\thempfn}%
17115     \endgroup
17116     \ifx\@footnotetext\@mpfootnotetext
17117       \expandafter\H@@mpfootnotetext
17118     \else
17119       \expandafter\H@@footnotetext
17120     \fi
17121   }%
17122   \def\xRTLfootnotenext[#1]{%
17123     \begingroup
17124       \csname c@\@mpfn\endcsname #1\relax
17125       \unrestored@protected@xdef\@thefnmark{\thempfn}%
17126     \endgroup
17127     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
17128       \expandafter\HRTL@mpRTLfootnotetext
17129     \else
17130       \expandafter\HRTL@RTLfootnotetext
17131     \fi
17132   }%
17133   \def\xLTRfootnotenext[#1]{%
17134     \begingroup
17135       \csname c@\@mpfn\endcsname #1\relax
17136       \unrestored@protected@xdef\@thefnmark{\thempfn}%
17137     \endgroup
17138     \ifx\@LTRfootnotetext\@mpLTRfootnotetext
17139       \expandafter\HLTR@mpLTRfootnotetext
17140     \else

```





```

17141     \expandafter\HLTR@LTRfootnotetext
17142     \fi
17143 }%
17144 \def\xfootnotemark[#1]{%
17145   \begingroup
17146     \c@footnote #1\relax
17147     \unrestored@protected@xdef\@thefnmark{\thefootnote}%
17148   \endgroup
17149   \H@@footnotemark
17150 }%
17151 \let\H@mpfootnotetext\mpfootnotetext
17152 \let\HRTL@mpRTLfootnotetext\mpRTLfootnotetext
17153 \let\HLTR@mpLTRfootnotetext\mpLTRfootnotetext
17154 \long\def\@mpfootnotetext#1{%
17155   \H@mpfootnotetext{%
17156     \ifHy@nesting
17157       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17158     \else
17159       \Hy@raisedlink{%
17160         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17161       }#1%
17162     \fi
17163   }%
17164 }%
17165 \long\def\@mpRTLfootnotetext#1{%
17166   \HRTL@mpRTLfootnotetext{%
17167     \ifHy@nesting
17168       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17169     \else
17170       \Hy@raisedlink{%
17171         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17172       }#1%
17173     \fi
17174   }%
17175 }%
17176 \long\def\@mpLTRfootnotetext#1{%
17177   \HLTR@mpLTRfootnotetext{%
17178     \ifHy@nesting
17179       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17180     \else
17181       \Hy@raisedlink{%
17182         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17183       }#1%
17184     \fi
17185   }%
17186 }%
17187 \long\def\@footnotetext#1{%
17188   \H@@footnotetext{%
17189     \ifHy@nesting
17190       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17191     \else
17192       \Hy@raisedlink{%
17193         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17194       }%

```



```

17195     \let\@currentHlabel\Hy@footnote@currentHlabel
17196     \let\@currentHref\Hy@footnote@currentHref
17197     \let\@currentlabelname\@empty
17198     #1%
17199     \fi
17200   }%
17201 }%
17202 \long\def\@RTLfootnotetext#1{%
17203 \HRTL@RTLfootnotetext{%
17204   \ifHy@nesting
17205     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17206   \else
17207     \Hy@raisedlink{%
17208       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17209     }%
17210     \let\@currentHlabel\Hy@footnote@currentHlabel
17211     \let\@currentHref\Hy@footnote@currentHref
17212     \let\@currentlabelname\@empty
17213     #1%
17214   \fi
17215 }%
17216 }%
17217 \long\def\@LTRfootnotetext#1{%
17218 \HLTR@LTRfootnotetext{%
17219   \ifHy@nesting
17220     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17221   \else
17222     \Hy@raisedlink{%
17223       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17224     }%
17225     \let\@currentHlabel\Hy@footnote@currentHlabel
17226     \let\@currentHref\Hy@footnote@currentHref
17227     \let\@currentlabelname\@empty
17228     #1%
17229   \fi
17230 }%
17231 }%
17232 \@ifpackageloaded{tabularx}{%
17233 \let\HyOrg@TX@endtabularx\TX@endtabularx
17234 \def\Hy@tabularx@hook{%
17235   \let\@footnotetext\H@@footnotetext
17236   \let\@LTRfootnotetext\HLTR@LTRfootnotetext
17237   \let\@RTLfootnotetext\HRTL@RTLfootnotetext
17238   \let\@footnotemark\H@@footnotemark
17239   \let\@mpfootnotetext\H@@mpfootnotetext
17240   \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
17241   \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
17242 }%
17243 \begingroup
17244 \toks@\expandafter{\TX@endtabularx}%
17245 \xdef\Hy@gtemp{%
17246   \noexpand\Hy@tabularx@hook
17247   \the\toks@
17248 }%

```



```

17249 \endgroup
17250 \let\TX@endtabularx\Hy@gtemp
17251 }-{}%
17252 \@ifpackageloaded{longtable}{%
17253 \CheckCommand*{\LT@p@LTRftntext}[1]{%
17254 \edef\@tempa{%
17255 \the\LT@p@ftn
17256 \noexpand\LTRfootnotetext[\the\c@footnote]%
17257 }%
17258 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17259 }%
17260 \long\def\LT@p@LTRftntext#1{%
17261 \edef\@tempa{%
17262 \the\LT@p@ftn
17263 \begingroup
17264 \noexpand\c@footnote=\the\c@footnote\relax
17265 \noexpand\protected@xdef\noexpand\@thefnmark{%
17266 \noexpand\thempfn
17267 }%
17268 \noexpand\Hy@LT@LTRfootnotetext{%
17269 \Hy@footnote@currentHref
17270 }%
17271 }%
17272 \global\LT@p@ftn\expandafter{%
17273 \@tempa{#1}}%
17274 \endgroup
17275 }%
17276 }%
17277 \long\def\Hy@LT@LTRfootnotetext#1#2{%
17278 \HLTR@LTRfootnotetext{%
17279 \ifHy@nesting
17280 \hyper@@anchor{#1}{#2}%
17281 \else
17282 \Hy@raisedlink{%
17283 \hyper@@anchor{#1}{\relax}}%
17284 }%
17285 \def\@currentHref{#1}%
17286 \let\@currentlabelname\@empty
17287 #2%
17288 \fi
17289 }%
17290 }%
17291 \CheckCommand*{\LT@p@RTLftntext}[1]{%
17292 \edef\@tempa{%
17293 \the\LT@p@ftn
17294 \noexpand\RTLfootnotetext[\the\c@footnote]%
17295 }%
17296 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17297 }%
17298 \long\def\LT@p@RTLftntext#1{%
17299 \edef\@tempa{%
17300 \the\LT@p@ftn
17301 \begingroup
17302 \noexpand\c@footnote=\the\c@footnote\relax

```



```

17303         \noexpand\protected@xdef\noexpand\@thefnmark{%
17304             \noexpand\thempfn
17305         }%
17306         \noexpand\Hy@LT@RTLfootnotetext{%
17307             \Hy@footnote@currentHref
17308         }%
17309     }%
17310     \global\LT@p@ftn\expandafter{%
17311         \@tempa{#1}%
17312     \endgroup
17313     }%
17314 }%
17315 \long\def\Hy@LT@RTLfootnotetext#1#2{%
17316     \HRTL@RTLfootnotetext{%
17317         \ifHy@nesting
17318             \hyper@@anchor{#1}{#2}%
17319         \else
17320             \Hy@raisedlink{%
17321                 \hyper@@anchor{#1}{\relax}%
17322             }%
17323             \def\@currentHref{#1}%
17324             \let\@currentlabelname\@empty
17325             #2%
17326         \fi
17327     }%
17328 }%
17329 }-}%
17330 \@ifpackageloaded{bidipoem}{%
17331 \long\def\bidipoem@p@ftntext#1{%
17332     \edef\@tempx{%
17333         \the\bidipoem@p@ftn
17334     \begingroup
17335         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17336         \noexpand\protected@xdef\noexpand\@thefnmark{%
17337             \noexpand\thempfn
17338         }%
17339         \noexpand\Hy@bidipoem@footnotetext{%
17340             \Hy@footnote@currentHref
17341         }%
17342     }%
17343     \global\bidipoem@p@ftn\expandafter{%
17344         \@tempx{#1}%
17345     \endgroup
17346     }%
17347 }%
17348 \long\def\Hy@bidipoem@footnotetext#1#2{%
17349     \H@@footnotetext{%
17350         \ifHy@nesting
17351             \hyper@@anchor{#1}{#2}%
17352         \else
17353             \Hy@raisedlink{%
17354                 \hyper@@anchor{#1}{\relax}%
17355             }%
17356             \def\@currentHref{#1}%

```



```

17357         \let\@currentlabelname\@empty
17358         #2%
17359         \fi
17360     }%
17361 }%
17362     \long\def\bidipoem@p@LTRftntext#1{%
17363 \edef\@tempxi{%
17364     \the\bidipoem@p@ftn
17365     \begingroup
17366     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17367     \noexpand\protected@xdef\noexpand\@thefnmark{%
17368     \noexpand\thempfn
17369     }%
17370     \noexpand\Hy@bidipoem@LTRfootnotetext{%
17371     \Hy@footnote@currentHref
17372     }%
17373 }%
17374 \global\bidipoem@p@ftn\expandafter{%
17375     \@tempxi{#1}%
17376     \endgroup
17377 }%
17378 }%
17379 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
17380 \HLTR@LTRfootnotetext{%
17381     \ifHy@nesting
17382     \hyper@@anchor{#1}{#2}%
17383     \else
17384     \Hy@raisedlink{%
17385     \hyper@@anchor{#1}{\relax}%
17386     }%
17387     \def\@currentHref{#1}%
17388     \let\@currentlabelname\@empty
17389     #2%
17390     \fi
17391     }%
17392 }%
17393     \long\def\bidipoem@p@RTLftntext#1{%
17394 \edef\@tempxii{%
17395     \the\bidipoem@p@ftn
17396     \begingroup
17397     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17398     \noexpand\protected@xdef\noexpand\@thefnmark{%
17399     \noexpand\thempfn
17400     }%
17401     \noexpand\Hy@bidipoem@RTLfootnotetext{%
17402     \Hy@footnote@currentHref
17403     }%
17404 }%
17405 \global\bidipoem@p@ftn\expandafter{%
17406     \@tempxii{#1}%
17407     \endgroup
17408 }%
17409 }%
17410 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%

```



```

17411 \HRTL@RTLfootnotetext{%
17412 \ifHy@nesting
17413 \hyper@anchor{#1}{#2}%
17414 \else
17415 \Hy@raisedlink{%
17416 \hyper@anchor{#1}{\relax}%
17417 }%
17418 \def\@currentHref{#1}%
17419 \let\@currentlabelname\@empty
17420 #2%
17421 \fi
17422 }%
17423 }%
17424 }-{}%
17425 \let\HyOrg@maketitle\maketitle
17426 \def\maketitle{%
17427 \let\Hy@saved@footnotemark\@footnotemark
17428 \let\Hy@saved@footnotetext\@footnotetext
17429 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
17430 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
17431 \let\@footnotemark\H@@footnotemark
17432 \let\@footnotetext\H@@footnotetext
17433 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
17434 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
17435 \@ifnextchar[\Hy@maketitle@optarg{% ]
17436 \HyOrg@maketitle
17437 \Hy@maketitle@end
17438 }%
17439 }%
17440 \def\Hy@maketitle@optarg[#1]{%
17441 \HyOrg@maketitle[#{#1}]%
17442 \Hy@maketitle@end
17443 }%
17444 \def\Hy@maketitle@end{%
17445 \ifx\@footnotemark\H@@footnotemark
17446 \let\@footnotemark\Hy@saved@footnotemark
17447 \fi
17448 \ifx\@footnotetext\H@@footnotetext
17449 \let\@footnotetext\Hy@saved@footnotetext
17450 \fi
17451 \ifx\@RTLfootnotetext\HRTL@RTLfootnotetext
17452 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
17453 \fi
17454 \ifx\@LTRfootnotetext\HLTR@LTRfootnotetext
17455 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
17456 \fi
17457 }%
17458 \def\realfootnote{%
17459 \@ifnextchar[\@xfootnote{%
17460 \stepcounter{\@mpfn}%
17461 \protected@xdef\@thefnmark{\thempfn}%
17462 \H@@footnotemark\H@@footnotetext
17463 }%
17464 }%

```



```

17465 \fi
17466 \def\Hy@BeginAnnot#1{%
17467   \ifmmode\else\beginL\fi%
17468   \global\advance\c@Hy@AnnotLevel\@ne
17469   \ifnum\c@Hy@AnnotLevel=\@ne
17470     #1%
17471   \fi
17472 }
17473 \def\Hy@endAnnot{%
17474   \ifnum\c@Hy@AnnotLevel=\@ne
17475     \Hy@endcolorlink
17476     \@pdfm@mark{eann}%
17477   \fi
17478   \global\advance\c@Hy@AnnotLevel\m@ne
17479   \ifmmode\else\endL\fi%
17480 }
17481 \def\hyper@link#1#2#3{%
17482   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
17483 }
17484 \def\hyper@linkfile#1#2#3{%
17485   \leavevmode
17486   \Hy@BeginAnnot{%
17487     \def\Hy@pstringF{#2}%
17488     \Hy@CleanupFile\Hy@pstringF
17489     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
17490     \Hy@pstringdef\Hy@pstringD{#3}%
17491     \Hy@MakeRemoteAction
17492     \@pdfm@mark{%
17493       bann<<%
17494         /Type/Annot%
17495         /Subtype/Link%
17496         \ifHy@pdfa /F 4\fi
17497         \Hy@setpdfborder
17498         \ifx\@filebordercolor\relax
17499           \else
17500             /C[\@filebordercolor]%
17501           \fi
17502         /A<<%
17503         /S/GoToR%
17504         /F(\Hy@pstringF)%
17505         /D%
17506         \ifx\#3\%
17507           [\Hy@href@page\@pdfremotestartview]%
17508         \else
17509           (\Hy@pstringD)%
17510         \fi
17511         \Hy@SetNewWindow
17512         \Hy@href@nextactionraw
17513       >>%
17514     >>%
17515   }%
17516   \Hy@colorlink\@filecolor
17517 }%
17518 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end

```



```

17519 \Hy@EndAnnot
17520 }
17521 \def\hyper@launch run:#1\#2#3{% filename, anchor text linkname
17522 \leavevmode
17523 \Hy@BeginAnnot{%
17524 \Hy@pstringdef\Hy@pstringF{#1}%
17525 \Hy@pstringdef\Hy@pstringP{#3}%
17526 \@pdfm@mark{%
17527 bann<<%
17528 /Type/Annot%
17529 /Subtype/Link%
17530 \ifHy@pdfa /F 4\fi
17531 \Hy@setpdfborder
17532 \ifx\@runbordercolor\relax
17533 \else
17534 /C[\@runbordercolor]%
17535 \fi
17536 /A<<%
17537 /F(\Hy@pstringF)%
17538 /S/Launch%
17539 \Hy@SetNewWindow
17540 \ifx\#3\%
17541 \else
17542 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
17543 \fi
17544 \Hy@href@nextactionraw
17545 >>%
17546 >>%
17547 }%
17548 \Hy@colorlink\@runcolor
17549 }%
17550 \ifmmode\else\ifRTL\beginR\fi\fi#2\ifmmode\else\ifRTL\endR\fi\fi\Hy@xspace@end
17551 \Hy@EndAnnot
17552 }
17553 \def\hyper@linkurl#1#2{%
17554 \leavevmode
17555 \Hy@BeginAnnot{%
17556 \Hy@pstringdef\Hy@pstringURI{#2}%
17557 \@pdfm@mark{%
17558 bann<<%
17559 /Type/Annot%
17560 /Subtype/Link%
17561 \ifHy@pdfa /F 4\fi
17562 \Hy@setpdfborder
17563 \ifx\@urlbordercolor\relax
17564 \else
17565 /C[\@urlbordercolor]%
17566 \fi
17567 /A<<%
17568 /S/URI%
17569 /URI(\Hy@pstringURI)%
17570 \ifHy@href@ismap
17571 /IsMap true%
17572 \fi

```





```

17573         \Hy@href@nextactionraw
17574         >>%
17575     >>%
17576     }%
17577     \Hy@colorlink\@urlcolor
17578 }%
17579 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17580 \Hy@EndAnnot
17581 }
17582 \def\Acrobatmenu#1#2{%
17583     \Hy@Acrobatmenu{#1}{#2}{%
17584         \Hy@BeginAnnot{%
17585             \EdefEscapeName\Hy@temp@menu{#1}%
17586             \@pdfm@mark{%
17587                 bann<<%
17588                 /Type/Annot%
17589                 /Subtype/Link%
17590                 \ifHy@pdfa /F 4\fi
17591                 \Hy@setpdfborder
17592                 \ifx\@menubordercolor\relax
17593                 \else
17594                     /C[\@menubordercolor]%
17595                 \fi
17596                 /A<<%
17597                 /S/Named%
17598                 /N/\Hy@temp@menu
17599                 \Hy@href@nextactionraw
17600                 >>%
17601                 >>%
17602             }%
17603             \Hy@colorlink\@menucolor
17604         }%
17605         \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17606     \Hy@EndAnnot
17607 }%
17608 }
17609 \def\hyper@natlinkstart#1{%
17610     \Hy@backout{#1}%
17611     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
17612     \def\hyper@nat@current{#1}%
17613 }
17614 \def\hyper@natlinkend{%
17615     \if@RTL\endR\fi\hyper@linkend
17616 }
17617 \def\hyper@natlinkbreak#1#2{%
17618     \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
17619 }%
17620 }
17621 \pdfstringdefDisableCommands{%
17622 \let\LRE\@firstofone
17623 \let\LR\@firstofone
17624 \let\RLE\@firstofone
17625 \let\RL\@firstofone
17626 \def\XeTeX{Xe\TeX}%

```



```

17627 \def\XeLaTeX{Xe\LaTeX}%
17628 }
17629 \@ifpackageloaded{longtable}{%
17630   \begingroup
17631     \def\y{\LT@array}%
17632     \@ifundefined{scr@LT@array}{%
17633       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
17634     }{\def\y{\scr@LT@array}}%
17635     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
17636       \expandafter\endgroup
17637       \expandafter\def\y[##1]##2{%
17638         \H@refstepcounter{#1}%
17639         \hyper@makecurrent{table}%
17640         \let\Hy@LT@currentHref\@currentHref
17641         #2\@sharp####4%
17642       }%
17643     }%
17644     \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
17645     \begingroup
17646       \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
17647         \endgroup
17648         \def\LT@start{%
17649           #1%
17650           \ifvoid\LT@foot#2\fi
17651           \let\@currentHref\Hy@LT@currentHref
17652           \Hy@raisedlink{%
17653             \hyper@anchorstart{\@currentHref}\hyper@anchorend
17654           }%
17655           #3%
17656         }%
17657       }%
17658     \expandafter\x\LT@start\@nil
17659   }{}
17660   \bidi@patchcmd\@TextField{%
17661     \@pdfm@mark
17662   }{%
17663     \if@RTL
17664       \hskip\Fld@width
17665     \fi
17666     \@pdfm@mark
17667   }{}{}
17668   \bidi@patchcmd\@TextField{%
17669     \unhbox
17670   }{%
17671     \if@RTL
17672       \hskip-\Fld@width
17673     \fi
17674     \unhbox
17675   }{}{}
17676   \bidi@patchcmd\@@Radio{%
17677     \@pdfm@mark
17678   }{%
17679     \if@RTL
17680       \hskip\Fld@width

```



```

17681 \fi
17682 \@pdfm@mark
17683 }{}{}
17684 \bidi@patchcmd\@Radio{%
17685 \unhcopy
17686 }{%
17687 \if@RTL
17688 \hskip-\Fld@width
17689 \fi
17690 \unhcopy
17691 }{}{}
17692 \bidi@patchcmd\@Submit{%
17693 \@pdfm@mark
17694 }{%
17695 \if@RTL
17696 \null
17697 \hskip\wd\pdfm@box
17698 \fi
17699 \@pdfm@mark
17700 }{}{}
17701 \bidi@patchcmd\@Submit{%
17702 \unhbox
17703 }{%
17704 \if@RTL
17705 \hskip-\wd\pdfm@box
17706 \fi
17707 \unhbox
17708 }{}{}
17709 \bidi@patchcmd\@Reset{%
17710 \@pdfm@mark
17711 }{%
17712 \if@RTL
17713 \null
17714 \hskip\wd\pdfm@box
17715 \fi
17716 \@pdfm@mark
17717 }{}{}
17718 \bidi@patchcmd\@Reset{%
17719 \unhbox
17720 }{%
17721 \if@RTL
17722 \hskip-\wd\pdfm@box
17723 \fi
17724 \unhbox
17725 }{}{}

```

### 103 File `imsproc-xetex-bidi.def`

```

17726 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for
17727 \newenvironment{thebibliography}[1]{}
17728 \@bibtitlestyle
17729 \normalfont\bibliofont\labelsep .5em\relax
17730 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
17731 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

17732 \bidi@thebibliography@font@hook
17733 \list{\@biblabel{\thenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
17734 \leftmargin\labelwidth \advance\leftmargin\labelsep
17735 \usecounter{enumiv}}%
17736 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
17737 \sfcode`\.=\@m
17738 }{%
17739 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
17740 \endlist
17741 }
17742
17743 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
17744 \columnseprule\z@ \columnsep 35\p@
17745 \@indextitlestyle
17746 \thispagestyle{plain}%
17747 \let\item\@idxitem
17748 \parindent\z@ \parskip\z@\@plus.3\p@\relax
17749 \if@RTL\raggedleft\else\raggedright\fi
17750 \hyphenpenalty\@M
17751 \footnotesize}
17752 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
17753 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
17754 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
17755
17756 \def\right@footnoterule{%
17757 \kern-.4\p@
17758 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
17759 \kern11\p@\kern-\footnotesep}
17760 \def\left@footnoterule{\kern-.4\p@
17761 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
17762 \def\@makefnmark{%
17763 \leavevmode
17764 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
17765 }
17766
17767 \def\part{\@startsection{part}{0}%
17768 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
17769 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
17770 \def\@tocline#1#2#3#4#5#6#7{\relax
17771 \ifnum #1>\c@tocdepth % then omit
17772 \else
17773 \par \addpenalty\@secpenalty\addvspace{#2}%
17774 \begingroup \hyphenpenalty\@M
17775 \ifempty{#4}{%
17776 \@tempdima\c@tocindent\number#1\endcsname\relax
17777 }{%
17778 \@tempdima#4\relax
17779 }%
17780 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
17781 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
17782 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
17783 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
17784 \nobreak
17785 \endgroup

```



```

17786 \fi}
17787 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
17788 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
17789 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
17790 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
17791 \def\maketitle{\par
17792 \@topnum\z@ % this prevents figures from falling at the top of page 1
17793 \@setcopyright
17794 \thispagestyle{firstpage}% this sets first page specifications
17795 \uppercase\nonmath\shorttitle
17796 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
17797 \else \andify\shortauthors
17798 \fi
17799 \@maketitle@hook
17800 \begingroup
17801 \@maketitle
17802 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
17803 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
17804 \edef\@tempa{%
17805 \@nx\markboth{\the\toks4
17806 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
17807 \@tempa
17808 \endgroup
17809 \c@footnote\z@
17810 \@cleartopmattertags
17811 }

```

## 104 File leqno-xetex-bidi.def

```

17812 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
17813 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
17814 \rlap{\hskip -\displaywidth
17815 \normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR}

```

## 105 File letter-xetex-bidi.def

```

17816 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
17817 \renewcommand*\opening}[1]{\ifx\@empty\fromaddress
17818 \thispagestyle{firstpage}%
17819 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
17820 \else % home address
17821 \thispagestyle{empty}%
17822 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
17823 \fromaddress \*[2\parskip]%
17824 \@date \end{tabular}\par}%
17825 \fi
17826 \vspace{2\parskip}%
17827 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
17828 \vspace{2\parskip}%
17829 #1\par\nobreak}
17830 \renewcommand\left@footnoterule{%
17831 \kern-\p@
17832 \hrule \@width .4\columnwidth
17833 \kern .6\p@}

```



```

17834 \renewcommand\right@footnoterule{%
17835   \kern-\p@
17836   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17837   \kern .6\p@}

```

## 106 File lettrine-xetex-bidi.def

```

17838 \ProvidesFile{lettrine-xetex-bidi.def}[2024/12/08 v0.9 bidi adaptations for lettrine package]
17839 \RemoveFromHook{begindocument}[lettrine]
17840 \AtBeginDocument[lettrine]{%
17841   \if\DefaultOptionsFile\relax
17842   \else
17843     \InputIfFileExists{\DefaultOptionsFile}%
17844     {}%
17845     {\PackageWarning{lettrine.sty}%
17846       {File \DefaultOptionsFile\space not found}%
17847     }%
17848   \fi
17849   \let\ifL@RTL\if@RTL
17850 }

```

## 107 File lineno-xetex-bidi.def

```

17851 \ProvidesFile{lineno-xetex-bidi.def}[2024/12/07 v0.3 bidi adaptations for lineno package]
17852 \bidi@patchcmd{\MakeLineNo}{%
17853   \hb@xt@\z@{\makeLineNumber}%
17854 }{%
17855   \hboxL to \z@{\makeLineNumber}%
17856 }{}{}
17857
17858 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
17859   \if@RTL
17860     \hb@xt@\linenumberwidth{\LineNumber\hss}%
17861   \else
17862     \LineNumber
17863   \fi
17864 }{}{}
17865
17866 \bidi@patchcmd{\makeLineNumberRight}{%
17867   \hb@xt@\linenumberwidth{\hss\LineNumber}%
17868 }{%
17869   \if@RTL
17870     \LineNumber
17871   \else
17872     \hb@xt@\linenumberwidth{\hss\LineNumber}%
17873   \fi
17874 }{}{}
17875
17876 \bidi@AfterPreamble{%
17877   \if@RTLmain
17878     \rightlinenumbers*
17879   \else
17880     \leftlinenumbers*
17881   \fi

```



```

17882 \@ifpackagewith{lineno}{left}{%
17883   \leftlinenumbers*
17884 }{}
17885 \@ifpackagewith{lineno}{right}{%
17886   \rightlinenumbers*
17887 }{}
17888 \@ifpackagewith{lineno}{switch}{%
17889   \if@RTLmain
17890   \switchlinenumbers*%
17891   \else
17892   \switchlinenumbers
17893   \fi
17894 }{}
17895 \@ifpackagewith{lineno}{switch*}{%
17896   \if@RTLmain
17897   \switchlinenumbers
17898   \else
17899   \switchlinenumbers*%
17900   \fi
17901 }{}
17902 }
17903

```

## 108 File listings-xetex-bidi.def

```

17904 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
17905 \lst@Key{captiondirection}{textdirection}{%
17906   \lstKV@SwitchCases{#1}%
17907   {textdirection:\\%
17908     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
17909     LTR:\chardef\bidi@lst@caption@direction\z@%
17910   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
17911
17912 \lst@Key{captionscript}{textscript}{%
17913   \lstKV@SwitchCases{#1}%
17914   {textscript:\\%
17915     latin:\chardef\bidi@lst@caption@script\@ne\\%
17916     nonlatin:\chardef\bidi@lst@caption@script\z@%
17917   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
17918
17919 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
17920   \@ifundefined{bidi@lst@caption@direction}{-}{%
17921     \ifnum\bidi@lst@caption@direction=\z@%
17922       #1%
17923     \else%
17924       \ifnum\bidi@lst@caption@direction=\@ne%
17925         #2%
17926       \fi%
17927     \fi%
17928 }}
17929
17930 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
17931   \@ifundefined{bidi@lst@caption@script}{-}{%
17932     \ifnum\bidi@lst@caption@script=\z@%

```



```

17933     #1%
17934     \else%
17935         \ifnum\bidilst@caption@script=\@ne%
17936             #2%
17937         \fi%
17938     \fi%
17939 }}
17940
17941 \long\def\@bidilst@makecaption#1#2{%
17942     \bidilst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
17943     \vskip\abovecaptionskip
17944     \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
17945     \sbox\@tempboxa{%
17946     \bidilst@ensure@caption@direction{\beginL}{\beginR}%
17947     #1: #2%
17948     \bidilst@ensure@caption@direction{\endL}{\endR}%
17949     }%
17950     \ifdim \wd\@tempboxa >\hsize
17951     #1: #2\par
17952     \else
17953     \global \@minipagefalse
17954     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
17955     \fi
17956     \vskip\belowcaptionskip}%
17957 \def\lst@makecaption{\@bidilst@makecaption}
17958 \def\lst@maketitle{\@bidilst@makecaption\lst@title@dropdelim}
17959 \bidilst@AtEndPreamble{%
17960 \bidilst@patchcmd{\lst@MakeCaption}{%
17961     \ifx #1%
17962     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
17963     \expandafter\refstepcounter
17964     \fi {lstlisting}%
17965 }{%
17966     \ifx #1%
17967     \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
17968     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
17969     \expandafter\refstepcounter
17970     \fi {lstlisting}%
17971     \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
17972 }{}{}%
17973 \bidilst@patchcmd{\lst@MakeCaption}{%
17974     \addcontentsline{lol}{lstlisting}%
17975     {\protect\numberline{\thelstlisting}\lst@@caption}%
17976 }{%
17977 \begingroup%
17978     \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
17979     \addcontentsline{lol}{lstlisting}%
17980     {\protect\numberline{\thelstlisting}\lst@@caption}%
17981 \endgroup%
17982 }{}{}%
17983 }
17984 \@ifpackageloaded{caption}{%
17985     \AtBeginCaption{%
17986     \bidilst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%

```





```

17987 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
17988 }
17989 \let\bidi@lst@makecaption\caption@makecaption%
17990 \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
17991 \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}%
17992 }{%
17993 \AtBeginDocument{%
17994 \@ifundefined{captionlabelfalse}{-}{-}%
17995 \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\@empty}}%
17996 \@ifundefined{caption@startrue}{-}{-}%
17997 \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}}%
17998 }%
17999 }
18000 \AtBeginDocument{
18001 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{-}
18002 \lst@ifnumberbychapter
18003 \gdef\thelstlisting%
18004 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
18005 \else
18006 \gdef\thelstlisting{\@arabic\c@lstlisting}
18007 \fi}

```

## 109 File loadingorder-xetex-bidi.def

```

18008 \ProvidesFile{loadingorder-xetex-bidi.def}[2024/12/08 v0.99 making sure that bidi is the las
18009 \bidi@isloaded{amsmath}
18010 \bidi@isloaded{amstext}
18011 \bidi@isloaded{amsthm}
18012 \bidi@isloaded{animate}
18013 \bidi@isloaded{breqn}
18014 \bidi@isloaded{cals}
18015 \bidi@isloaded{caption}
18016 \bidi@isloaded{crop}
18017 \bidi@isloaded{cuted}
18018 \bidi@isloaded{cutwin}
18019 \bidi@isloaded{color}
18020 \bidi@isloaded{dblfnote}
18021 \bidi@isloaded{diagbox}
18022 \bidi@isloaded{xcolor}
18023 \bidi@isloaded{colortbl}
18024 \bidi@isloaded{float}
18025 \bidi@isloaded{floatrow}
18026 \bidi@isloaded{flowfram}
18027 \bidi@isloaded{framed}
18028 \bidi@isloaded{ftnright}
18029 \bidi@isloaded{xltextra}
18030 \bidi@isloaded{xunicode}
18031 \bidi@isloaded{wrapfig}
18032 \bidi@isloaded{graphicx}
18033 \bidi@isloaded{geometry}
18034 \bidi@isloaded{hvfloat}
18035 \bidi@isloaded{mdframed}
18036 \bidi@isloaded{midfloat}
18037 \bidi@isloaded{ntheorem}

```



```

18038 \bidi@isloaded{ntheorem-hyper}
18039 \bidi@isloaded{hyperref}
18040 \bidi@isloaded{fancybox}
18041 \bidi@isloaded{fancyhdr}
18042 \bidi@isloaded{fix2col}
18043 \bidi@isloaded{draftwatermark}
18044 \bidi@isloaded{empheq}
18045 \bidi@isloaded{overpic}
18046 \bidi@isloaded{pdfpages}
18047 \bidi@isloaded{listings}
18048 \bidi@isloaded{lettrine}
18049 \bidi@isloaded{lineno}
18050 \bidi@isloaded{media9}
18051 \bidi@isloaded{pstricks}
18052 \bidi@isloaded{pgf}
18053 \bidi@isloaded{picinpar}
18054 \bidi@isloaded{quotchap}
18055 \bidi@isloaded{tikz}
18056 \bidi@isloaded{titlesec}
18057 \bidi@isloaded{titletoc}
18058 \bidi@isloaded{array}
18059 \bidi@isloaded{soul}
18060 \bidi@isloaded{stabular}
18061 \bidi@isloaded{subfig}
18062 \bidi@isloaded{subfigure}
18063 \bidi@isloaded{supertabular}
18064 \bidi@isloaded{xtab}
18065 \bidi@isloaded{longtable}
18066 \bidi@isloaded{arydshln}
18067 \bidi@isloaded{multicol}
18068 \bidi@isloaded{multienum}
18069 \bidi@isloaded{minitoc}
18070 \bidi@isloaded{natbib}
18071 \bidi@isloaded{newfloat}
18072 \bidi@isloaded{ragged2e}
18073 \bidi@isloaded{rotating}
18074 \bidi@isloaded{tabls}
18075 \bidi@isloaded{tabulary}
18076 \bidi@isloaded{tocbasic}
18077 \bidi@isloaded{tocstyle}
18078 \bidi@isloaded{tocbibind}
18079 \bidi@isloaded{fontspec}
18080 \bidi@isloaded{arabxetex}
18081 \bidi@isloaded{polyglossia}
18082 \bidi@isloaded{fancyvrb}
18083 \AtBeginDocument{
18084   \if@bidi@amsmathloaded@ \else
18085     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi pack
18086   \fi%
18087   \if@bidi@amstextloaded@ \else
18088     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi pack
18089   \fi%
18090   \if@bidi@amsthmloaded@ \else
18091     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packa

```



```

18092 \fi%
18093 \if@bidi@animateloaded@\else
18094 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi pack
18095 \fi%
18096 \if@bidi@breqnloaded@\else
18097 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
18098 \fi%
18099 \if@bidi@calsloaded@\else
18100 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package
18101 \fi%
18102 \if@bidi@captionloaded@\else
18103 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pack
18104 \fi%
18105 \if@bidi@croplloaded@\else
18106 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
18107 \fi%
18108 \if@bidi@colorloaded@\else
18109 \@ifpackageloaded{hyperref}{-}{%
18110 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
18111 \fi%
18112 \if@bidi@cutwinloaded@\else
18113 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packa
18114 \fi%
18115 \if@bidi@cutedloaded@\else
18116 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
18117 \fi%
18118 \if@bidi@dblfnote@loaded@\else
18119 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pac
18120 \fi%
18121 \if@bidi@diagboxloaded@\else
18122 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
18123 \fi%
18124 \if@bidi@xcolorloaded@\else
18125 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packa
18126 \fi%
18127 \if@bidi@colortblloaded@\else
18128 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pac
18129 \fi%
18130 \if@bidi@floatloaded@\else
18131 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
18132 \fi%
18133 \if@bidi@floatrowloaded@\else
18134 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pac
18135 \fi%
18136 \if@bidi@flowframloaded@\else
18137 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pac
18138 \fi%
18139 \if@bidi@framedloaded@\else
18140 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packa
18141 \fi%
18142 \if@bidi@ftnrightloaded@\else
18143 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pac
18144 \fi%
18145 \if@bidi@xltxtraloaded@\else

```



```

18146     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltextra after bidi pack
18147 \fi%
18148 \if@bidi@xunicodeloaded@else
18149     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pac
18150 \fi%
18151 \if@bidi@wrapfigloaded@else
18152     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
18153 \fi%
18154 \if@bidi@graphicxloaded@else
18155     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pac
18156 \fi%
18157 \if@bidi@geometryloaded@else
18158     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pac
18159 \fi%
18160 \if@bidi@hvfloatloaded@else
18161     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
18162 \fi%
18163 \if@bidi@mdframedloaded@else
18164     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pac
18165 \fi%
18166 \if@bidi@midfloatloaded@else
18167     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pac
18168 \fi%
18169 \if@bidi@ntheoremloaded@else
18170     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pac
18171 \fi%
18172 \if@bidi@hyperrefloaded@else
18173     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pac
18174 \fi%
18175 \if@bidi@fancyboxloaded@else
18176     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pac
18177 \fi%
18178 \if@bidi@fancyhdrloaded@else
18179     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pac
18180 \fi%
18181 \if@bidi@draftwatermarkloaded@else
18182     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bi
18183 \fi%
18184 \if@bidi@empheqloaded@else
18185     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
18186 \fi%
18187 \if@bidi@overpicloaded@else
18188     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
18189 \fi%
18190 \if@bidi@pdfpagesloaded@else
18191     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pac
18192 \fi%
18193 \if@bidi@lettrineloaded@else
18194     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pac
18195 \fi
18196 \if@bidi@linenoloaded@else
18197     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
18198 \fi%
18199 \if@bidi@listingsloaded@else

```



```

18200     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pac
18201     \fi%
18202     \csname if@bidi@media9loaded@\endcsname\else
18203     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
18204     \fi%
18205     \if@bidi@pstricksloaded@\else
18206     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
18207     \fi%
18208     \if@bidi@pgfloaded@\else
18209     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
18210     \fi%
18211     \if@bidi@picinparloaded@\else
18212     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac
18213     \fi%
18214     \if@bidi@quotchaploaded@\else
18215     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
18216     \fi%
18217     \if@bidi@tikzloaded@\else
18218     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
18219     \fi%
18220     \if@bidi@titlesecloaded@\else
18221     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac
18222     \fi%
18223     \if@bidi@titletocloaded@\else
18224     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
18225     \fi%
18226     \if@bidi@arrayloaded@\else
18227     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
18228     \fi%
18229     \if@bidi@stabularloaded@\else
18230     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
18231     \fi%
18232     \if@bidi@soulloaded@\else
18233     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package
18234     \fi%
18235     \if@bidi@subfigloaded@\else
18236     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packa
18237     \fi%
18238     \if@bidi@subfigureloaded@\else
18239     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pa
18240     \fi%
18241     \if@bidi@supertabularloaded@\else
18242     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
18243     \fi%
18244     \if@bidi@xtabloaded@\else
18245     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
18246     \fi%
18247     \if@bidi@longtableloaded@\else
18248     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pa
18249     \fi%
18250     \if@bidi@arydshlnloaded@\else
18251     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pac
18252     \fi%
18253     \if@bidi@multicolloaded@\else

```



```

18254     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pack
18255 \fi%
18256 \if@bidi@multienumloaded@else
18257     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
18258 \fi%
18259 \if@bidi@minitocloaded@else
18260     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pack
18261 \fi%
18262 \if@bidi@natbibloaded@else
18263     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packa
18264 \fi%
18265 \if@bidi@newfloatloaded@else
18266     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pack
18267 \fi%
18268 \csname if@bidi@ragged2loaded@endcsname\else
18269     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pack
18270 \fi%
18271 \if@bidi@rotatingloaded@else
18272     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pack
18273 \fi%
18274 \if@bidi@tblsloaded@else
18275     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi packag
18276 \fi%
18277 \if@bidi@tabularyloaded@else
18278     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pack
18279 \fi%
18280 \if@bidi@tocbasicloaded@else
18281     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pack
18282 \fi%
18283 \if@bidi@tocstyleloaded@else
18284     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pack
18285 \fi%
18286 \if@bidi@tocbibindloaded@else
18287     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
18288 \fi%
18289 \if@bidi@fontspecloaded@else
18290     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pack
18291 \fi%
18292 \if@bidi@arabxetexloaded@else
18293     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
18294 \fi%
18295 \if@bidi@polyglossialoaded@else
18296     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
18297 \fi%
18298 \if@bidi@fancyvrbloaded@else
18299     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pack
18300 \fi%
18301 }

```

## 110 File longtable-xetex-bidi.def

```

18302 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable packa
18303 \def\LT@array[#1]#2{%
18304 \refstepcounter{table}\stepcounter{LT@tables}%

```



```

18305 \if l#1%
18306   \if@RTLtab\LTleft\fill \LTright\z@ \else\LTleft\z@ \LTright\fill\fi
18307 \else\if r#1%
18308   \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
18309 \else\if c#1%
18310   \LTleft\fill \LTright\fill
18311 \fi\fi\fi
18312 \let\LT@mc\multicolumn
18313 \let\LT@@tabarray\@tabarray
18314 \let\LT@hl\hline
18315 \def\@tabarray{%
18316   \let\hline\LT@hl
18317   \LT@@tabarray}%
18318 \let\@LT@tabularcr\let\@tabularnewline\@
18319 \def\newpage{\noalign{\break}}%
18320 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
18321 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
18322 \let\hline\LT@hl \let\kill\LT@kill\let\caption\LT@caption
18323 \@tempdima\ht\strutbox
18324 \let\@endpbox\LT@endpbox
18325 \ifx\extrarowheight\@undefined
18326   \let\@acol\@tabacol
18327   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
18328   \def\@startpbox{\vtop\LT@startpbox}%
18329   \let\@@startpbox\@startpbox
18330   \let\@@endpbox\@endpbox
18331   \let\LT@LL@FM@cr\@tabularcr
18332 \else
18333   \advance\@tempdima\extrarowheight
18334   \col@sep\@tabcolsep
18335   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
18336 \fi
18337 \setbox\@arstrutbox\hbox{\vrule
18338   \@height \arraystretch \@tempdima
18339   \@depth \arraystretch \dp \strutbox
18340   \@width \z@}%
18341 \let\@sharp##\let\protect\relax
18342 \begingroup
18343 \mkpream{#2}%
18344 \xdef\LT@bchunk{%
18345   \global\advance\c@LT@chunks\@ne
18346   \global\LT@rows\z@\setbox\z@\vbox\bgroup
18347   \LT@setprevdepth
18348   \tabskip\LTleft \noexpand\halign to\hsize\bgroup
18349   \tabskip\z@ \@arstrut \@preamble \tabskip\LTright \cr}%
18350 \endgroup
18351 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
18352 \LT@make@row
18353 \m@th\let\par\@empty
18354 \everycr{\lineskip\z@\baselineskip\z@
18355 \LT@bchunk}
18356 \def\LT@makecaption#1#2#3{%
18357 \LT@mc\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{
18358 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%

```



```

18359 \ifdim\wd\@tempboxa>\hsize
18360 #1{#2: }#3%
18361 \else
18362 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
18363 \fi
18364 \endgraf\vskip\baselineskip}%
18365 \hss}}}}
18366 \@ifpackageloaded{caption}{%
18367 \renewcommand\LT@makecaption[3]{%
18368 \caption@LT@make{%
18369 \caption@LT@settype\LT@captiontype
18370 \caption@LT@setup
18371 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
18372 \caption@startrue#1\caption@starfalse
18373 \caption@prepare@stepcounter\LT@captiontype
18374 \caption@begin\LT@captiontype
18375 \caption@normalsize
18376 \vskip-\ht\strutbox
18377 \caption@ifdefined\FBifcapttop{%
18378 \let\caption@belowskip\@empty}{}%
18379 \caption@make@above
18380 \caption@@make{#2}{#3}\endgraf
18381 \caption@make@below
18382 \caption@end}}}%
18383 }{}
18384 \def\LT@startpbox#1{%
18385 \bgroup\color@begingroup
18386 \let\@footnotetext\LT@p@ftntext
18387 \let\@LTRfootnotetext\LT@p@LTRftntext
18388 \let\@RTLfootnotetext\LT@p@RTLftntext
18389 \setlength\hsize{#1}%
18390 \@arrayparboxrestore
18391 \vrule \@height \ht\@arstrutbox \@width \z@}
18392 \def\LT@p@LTRftntext#1{%
18393 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
18394 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18395 \def\LT@p@RTLftntext#1{%
18396 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
18397 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18398
18399
18400 \def\LT@output{%
18401 \ifnum\outputpenalty <-\@Mi
18402 \ifnum\outputpenalty > -\LT@end@pen
18403 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
18404 \else
18405 \setbox\z@\vbox{\unvbox\@cclv}%
18406 \ifdim \ht\LT@lastfoot>\ht\LT@foot
18407 \dimen@pagegoal
18408 \advance\dimen@-\ht\LT@lastfoot
18409 \ifdim\dimen@<\ht\z@
18410 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
18411 \@makecol
18412 \@outputpage

```





```

18413         \setbox\z@\vbox{\box\LT@head}%
18414         \fi
18415     \fi
18416     \global\@colroom\@colht
18417     \global\vsizel\@colht
18418     \vbox
18419     {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@fo
18420     \fi
18421 \else
18422     \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@fo
18423     \@makecol
18424     \@outputpage
18425     \global\vsizel\@colroom
18426     \copy\LT@head\nobreak
18427 \fi}

```

## 111 File `lscope-xetex-bidi.def`

```

18428 \ProvidesFile{lscope-xetex-bidi.def}[2022/07/14 v0.2 bidi adaptations for lscope package for
18429 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
18430 \if@RTL
18431     \rotatebox[origin=br]{-90}{\box\@outputbox}%
18432 \else
18433     \rotatebox{90}{\box\@outputbox}%
18434 \fi
18435 }{}{}
18436
18437 \g@addto@macro{\landscape}{%
18438 \if@bidi@csdef{bidi@columnwidth}{%
18439     \bidi@columnwidth\columnwidth
18440 }{}%
18441 \let\bidi@left@footnoterule\left@footnoterule
18442 \let\bidi@right@footnoterule\right@footnoterule
18443 \def\left@footnoterule{%
18444     \if@RTL
18445     \bidi@right@footnoterule
18446     \else
18447     \bidi@left@footnoterule
18448     \fi
18449 }%
18450 \def\right@footnoterule{%
18451     \if@RTL
18452     \bidi@left@footnoterule
18453     \else
18454     \bidi@right@footnoterule
18455     \fi
18456 }%
18457 }

```

## 112 File `mathtools-xetex-bidi.def`

```

18458 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools packa
18459 \MHInternalSyntaxOn
18460 \def\MT_define_tagform:nwnn #1[#2]#3#4{

```



```

18461 \@namedef{MT_tagform_#1:n}##1
18462   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4}
18463 }
18464 \renewtagform{default}{(}{)}
18465 \MHInternalSyntaxOff

```

## 113 File mdframed-xetex-bidi.def

```

18466 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
18467 \newif\if@bidi@mdf@RTL
18468 \def\mdf@lrbox#1{%
18469   \mdf@patchamsthm\patch amsthm
18470   \if@RTL\@bidi@mdf@RTLtrue\fi%
18471   \@RTLfalse%
18472   \setbox#1\vbox\bgroup%
18473     \color@begingroup%
18474     \if@bidi@mdf@RTL\@RTLtrue\fi%
18475     \mdf@horizontalmargin@equation%
18476     \columnwidth=\hsize%
18477     \textwidth=\hsize%
18478     \let\if@nobreak\iffalse%
18479     \let\if@noskipsec\iffalse%
18480     \let\par\@par%
18481     \let\-\@dischph%
18482     \let'\@acci\let`\@accii\let=\@acciii%
18483     \parindent\z@ \parskip\z@skip%
18484     \linewidth\hsize%
18485     \@totalleftmargin\z@%
18486     \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
18487     \parfillskip\@flushglue \lineskip\normallineskip%
18488     \baselineskip\normalbaselineskip%
18489 %% \sloppy%
18490     \let\\\@normalcr%
18491     \mdf@par@local%New feature to restore parskip/parindent local in save box
18492     \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
18493     \@afterindentfalse%
18494     %\@afterheading%
18495 }
18496 \renewrobustcmd\mdfframedtitleenv[1]{%
18497   \mdf@lrbox{\mdf@frametitlebox}%
18498   \mdf@frametitlealignment%
18499   \leavevmode{\color{\mdf@frametitlefontcolor}%
18500     \normalfont\mdf@frametitlefont{#1}
18501     \ifbool{mdf@ignorelastdescenders}%
18502       {%
18503         \par\strut\par
18504         \unskip\unskip\setbox0=\lastbox
18505         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
18506       }{}%
18507   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
18508   \endmdf@lrbox\relax%
18509   \mdf@ignorevbadness%
18510   \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
18511   \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%

```



```

18512 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
18513 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
18514 \mdfframetitleboxtotalheight=\dimexpr
18515     \ht\mdf@frametitlebox
18516     +\dp\mdf@frametitlebox%
18517     +\mdf@frametitleaboveskip@length
18518     +\mdf@frametitlebelowskip@length
18519     \relax%
18520 }
18521
18522 \renewrobustcmd*\mdf@footnoteoutput{%
18523     \ifvoid\@mpfootins\else%
18524         \nobreak%
18525         \vskip\mdf@footnotedistance@length%
18526         \normalcolor%
18527         \bidi\@mpfootnoterule%
18528         \unvbox\@mpfootins%
18529     \fi%
18530 }
18531
18532
18533 \renewrobustcmd*\mdf@footnoteinput{%
18534     \def\@mpfn{\mpfootnote}%
18535     \def\thempfn{\thempfootnote}%
18536     \c@mpfootnote\z@%
18537     \let\@footnotetext\@mpfootnotetext%
18538     \let\@LTRfootnotetext\@mpLTRfootnotetext%
18539     \let\@RTLfootnotetext\@mpRTLfootnotetext%
18540 }

```

## 114 File bidi-media9.sty

```

18541 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
18542 {bidi fixes for media9 package for the XeTeX engine}
18543
18544 \keys_define:nn{media9/mbtn}{
18545   draft .code:n = {},
18546   final .code:n = {},
18547
18548   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
18549   tooltip .value_required:n = {true},
18550
18551   overface .code:n = {
18552     \sbox\l_mix_poster_box{
18553       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18554       \mix_pdfxform:n{\l_mix_poster_box}
18555       \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
18556     },
18557     overface .value_required:n = {true},
18558
18559   downface .code:n = {
18560     \sbox\l_mix_poster_box{
18561       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18562       \mix_pdfxform:n{\l_mix_poster_box}

```



```

18563   \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
18564 },
18565 downface .value_required:n = {true},
18566
18567 3Dgotoview .code:n = {
18568   \tl_set:Nx\l_tmpa_tl{#1}           %extract ref
18569   \regex_replace_once:nnN{([\^:]+):??.*}{\1}\l_tmpa_tl
18570   \tl_trim_spaces:N\l_tmpa_tl
18571   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18572     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18573       \tl_set:Nx\l_tmpb_tl{#1}       %extract idx
18574       \regex_replace_once:nnN{([\^:]+:?)}{\1}\l_tmpb_tl
18575       \tl_trim_spaces:N\l_tmpb_tl
18576       \tl_if_blank:VF\l_tmpb_tl{
18577         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
18578           \tl_set:Nx\l_mix_vidx_tl{/\l_tmpb_tl}
18579         }{
18580           \regex_match:nVTF{^\d+$}\l_tmpb_tl{
18581             \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
18582           }{
18583             \regex_replace_once:nnN{^\(\\s*\)}{\1}\l_tmpb_tl
18584             \regex_replace_once:nnN{\\s*\)}{\1}\l_tmpb_tl
18585             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
18586           }
18587         }
18588       }
18589       \mix_pdfobj:nnn{}{dict}{
18590         /S/JavaScript/JS~(
18591           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18592           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18593             annotRM['\l_tmpa_tl']=
18594               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18595           }
18596           annotRM['\l_tmpa_tl'].activated=true;
18597         )
18598         \tl_if_blank:VF\l_tmpb_tl{
18599           /Next~<<
18600           /S/GoTo3DView
18601           /TA~\tl_use:c{ann@\l_tmpa_tl}
18602           /V\l_mix_vidx_tl
18603         >>
18604       }
18605     }
18606     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18607   }
18608   ){
18609     \msg_warning:nx{media9}{undefined~reference}{\l_tmpa_tl}
18610     \cs_if_exist:NF\g_mix_refundefwarned_tl{
18611       \tl_new:N\g_mix_refundefwarned_tl
18612       \AtEndDocument{msg_warning:nn{media9}{undefined~references}}
18613     }
18614   }
18615 },
18616 3Dgotoview .value_required:n = {true},

```



```

18617
18618 mediacommand .code:n = {
18619   \tl_set:Nx\l_tmpa_tl{#1}
18620   \regex_replace_once:nnN{([\^:]+)??.*}{\1}\l_tmpa_tl %extract ref
18621   \tl_trim_spaces:N\l_tmpa_tl
18622   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18623     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18624       \tl_set:Nx\l_tmpb_tl{#1}
18625       \regex_replace_once:nnN{([\^:]+\^?)}{\1}\l_tmpb_tl
18626       \tl_trim_spaces:N\l_tmpb_tl
18627       \regex_replace_all:nnN{^{\|}\$}{}\l_tmpb_tl
18628       \tl_set:Nx\l_mix_cmd_tl{
18629         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
18630       \tl_trim_spaces:N\l_mix_cmd_tl
18631       \tl_set:Nx\l_mix_arg_tl{
18632         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
18633       \tl_trim_spaces:N\l_mix_arg_tl
18634       \mix_pdfobj:nnn{}{dict}{
18635         /S/JavaScript/JS~(
18636           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
18637           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18638             annotRM['\l_tmpa_tl']=
18639               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18640           }
18641           annotRM['\l_tmpa_tl'].activated=true;
18642         )
18643       \tl_if_blank:VF\l_mix_cmd_tl{
18644         /Next~<<
18645         /S/RichMediaExecute
18646         /TA~\tl_use:c{ann@\l_tmpa_tl}
18647         /TI~\tl_use:c{main@\l_tmpa_tl}
18648         /CMD~<<
18649         /C~(\l_mix_cmd_tl)
18650         \tl_if_blank:VF\l_mix_arg_tl{
18651           /A~[\l_mix_arg_tl]
18652         }
18653         >>
18654         >>
18655       }
18656     }
18657     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdfobj:}
18658   }
18659 }{
18660   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18661   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18662     \tl_new:N\g_mix_refundefwarned_tl
18663     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18664   }
18665 }
18666 },
18667 mediacommand .value_required:n = {true},
18668
18669 jsaction .code:n = {
18670   \tl_set:Nx\l_tmpa_tl{#1}

```



```

18671 \regex_match:nVTF{^[^:]+.*$}\l_tmpa_tl{
18672 \regex_replace_once:nnN{([^:]+):??.*}{\1}\l_tmpa_tl %extract ref
18673 \tl_trim_spaces:N\l_tmpa_tl
18674 }{\tl_clear:N\l_tmpa_tl}
18675 \tl_set:Nx\l_tmpb_tl{#1}
18676 \tl_if_blank:VF\l_tmpa_tl{
18677 \tl_if_exist:cF{ann@\l_tmpa_tl}{
18678 \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18679 \cs_if_exist:NF\g_mix_refundefwarned_tl{
18680 \tl_new:N\g_mix_refundefwarned_tl
18681 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18682 }
18683 }
18684 \regex_replace_once:nnN{[^:]+\:}{\1}\l_tmpb_tl
18685 }
18686 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
18687 \tl_trim_spaces:N\l_tmpb_tl
18688 \tl_if_blank:VF\l_tmpb_tl{
18689 \mix_pdfobj:nnn{}{dict}{
18690 /S/JavaScript/JS~(
18691 try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}
18692 \bool_lazy_and:nnT{
18693 \tl_if_exist_p:c{ann@\l_tmpa_tl}
18694 }{
18695 !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18696 }{
18697 \mix_pdfobj:nnn{}{dict}{
18698 /S/JavaScript/JS~(
18699 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18700 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18701 annotRM['\l_tmpa_tl']=
18702 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18703 }
18704 annotRM['\l_tmpa_tl'].activated=true;
18705 )
18706 \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
18707 }
18708 }
18709 \bool_if:nT{
18710 \bool_lazy_and_p:nn{
18711 \tl_if_exist_p:c{ann@\l_tmpa_tl}
18712 }{
18713 !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18714 }
18715 || !\tl_if_blank_p:V\l_tmpb_tl
18716 }{
18717 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18718 }
18719 },
18720 jsaction .value_required:n = {true},
18721
18722 unknown .code:n = {
18723 \msg_error:nnx{media9}{unknown-option}{\l_keys_key_tl}
18724 }

```



```

18725 }
18726
18727 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
18728   \mix_uriend:
18729   \group_begin:
18730   \mix_beginLTR:
18731   \mode_leave_vertical:
18732   %empty stream as appearance dummy
18733   \cs_if_exist:NF\g_mix_appearance_tl{
18734     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
18735     \mix_pdfxform:n{\l_mix_poster_box}
18736     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
18737   }
18738   \mix_reset:
18739   \mix_urbegin: %treat URI characters correctly
18740   \keys_set:nn{media9/user}{#1}
18741   \mix_uriend:
18742   \tl_greplac_all:Nnn\g_mix_flashvars_tl{~&}{&}
18743   \tl_greplac_all:Nnn\g_mix_flashvars_tl{&~}{&}
18744   \tl_greplac_all:Nnn\g_mix_flashvars_tl{~=}={=}
18745   \tl_greplac_all:Nnn\g_mix_flashvars_tl{~}={~}
18746   \tl_gtrim_spaces:N\g_mix_flashvars_tl
18747
18748   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
18749
18750   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
18751   %\hbox_set:Nn\l_mix_poster_box{#2}
18752   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
18753   \mix_scale:n{\l_mix_poster_box}
18754   \bool_if:nTF{
18755     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
18756     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
18757   }{
18758     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
18759   }
18760   \bool_if:NTF\g_mix_usrdraft_bool{
18761     \tl_if_empty:NF\g_mix_usrlabel_tl{
18762       \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
18763     }
18764     \tl_if_blank:oTF{#2}{
18765       \mix_urbegin: %treat URI characters correctly
18766       \mix_draftbox:n{\tl_to_str:n{#3}}
18767       \mix_uriend:
18768     }{
18769       \hbox_to_wd:nn{\g_mix_wd_tl}{
18770         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
18771         \box_use:N\l_mix_poster_box\hss
18772       }
18773     }
18774   }{
18775     \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
18776       %attach script that switches off play button overlay upon activation
18777       \mix_pdfobj:nnn{}{stream}{
18778         {}{

```



```

18779     var~ocgs=host.getOCGs(host.pageNum);
18780     for(var~i=0;i<ocgs.length;i++){
18781         if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
18782             ocs[i].state=false;
18783         }
18784     }
18785 }
18786 }
18787 \mix_pdfobj:nnn}{dict}{
18788     /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
18789 }
18790 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
18791 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
18792 %enforce plain playbutton overlay for XeTeX
18793 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
18794 }
18795 %embed main asset
18796 \mix_uribegin:
18797 \mix_embedasset:n{#3}
18798 \bool_if:nTF{
18799     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
18800 }{
18801     \bool_gset_true:N\g_mix_iiid_bool
18802     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
18803 }{
18804     \str_case_e:nnF{\l_mix_base_tl}{
18805         {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
18806         {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
18807         {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18808         {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18809         {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18810     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
18811 }
18812 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
18813 \mix_uriend:
18814 %secondary assets (added by addresource)
18815 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
18816 \seq_map_inline:Nn\g_mix_script_seq{
18817     \mix_embedasset:n{##1}
18818     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
18819 }
18820 %attach 3D calculation script
18821 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
18822     \mix_embedasset:n{3Dmenu.js}
18823     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
18824 }
18825 %create 3D views from file (option 3Dviews)
18826 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
18827     \tl_set:Nn\l_mix_level_tl{-1}
18828     \int_zero:N\l_mix_viewcnt_int
18829     \int_zero:N\l_mix_lineno_int
18830
18831     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
18832     \ior_map_inline:Nn\l_mix_vfile_stream{

```





```

18833     \int_incr:N\l_mix_lineno_int
18834     \keys_set:nn{media9/views}{##1} %process input line
18835   }
18836   \ior_close:N\l_mix_vfile_stream
18837 }
18838 \bool_if:nT{ %create default 3D view if required
18839   \g_mix_iiid_bool &&
18840   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
18841 }{
18842   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
18843   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
18844   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
18845   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
18846   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
18847   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
18848   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
18849
18850   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
18851   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
18852   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
18853   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
18854
18855   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
18856   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
18857   \tl_clear:N\l_mix_naarray_tl
18858
18859   \bool_if:NF\l_mix_ciiw_bool{
18860     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
18861     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
18862   }
18863
18864   \tl_clear:N\l_mix_naarray_tl
18865   \tl_clear:N\l_mix_saarray_tl
18866   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
18867
18868   \mix_view:n{Default}
18869   \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
18870
18871 }
18872 \mix_pdfobj:nnn{}{dict}{
18873   /Type/RichMediaInstance
18874   /Subtype/\g_mix_mainassetsub_tl
18875   /Asset~\g_mix_mainasset_tl
18876   \bool_if:NF\g_mix_iiid_bool{
18877     /Params~<<
18878     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
18879       /Foreground
18880     }{
18881       /Background
18882     }
18883     \tl_if_blank:VF\g_mix_flashvars_tl{
18884       /FlashVars~(\g_mix_flashvars_tl)
18885     }
18886     >>

```



```

18887     }
18888   }
18889   \tl_if_empty:NF\g_mix_usrlabel_tl{
18890     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
18891   }
18892   \mix_pdfobj:nnn{}{dict}{
18893     /Type/RichMediaConfiguration
18894     /Subtype/\g_mix_mainassetssub_tl
18895     /Instances~[\mix_pdflastobj:]
18896   }
18897   \mix_pdfobj:nnn{}{dict}{
18898     /Type/RichMediaContent
18899     /Assets~<</Names~[\g_mix_assets_tl]>>
18900     /Configurations~[\mix_pdflastobj:]
18901     \bool_if:nT{
18902       \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
18903     }{
18904       /Views~[\l_mix_iiidviewarray_tl]
18905     }
18906   }
18907   \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
18908   \bool_if:nT{
18909     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
18910   }{
18911     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
18912   }
18913   %determine floating window size
18914   \bool_if:NT\g_mix_opt_windowed_bool{
18915     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
18916   }
18917   \mix_pdfobj:nnn{}{dict}{
18918     /Activation~<<
18919     /Condition\g_mix_act_tl
18920     \bool_if:nT{
18921       \g_mix_iiid_bool &&
18922       !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
18923     }{%seems to work only with 3D content
18924     /Animation~<<
18925       /Subtype/\g_mix_playtpe_tl
18926       /PlayCount~\g_mix_playcnt_tl
18927       /Speed~\g_mix_playspd_tl
18928     >>
18929   }
18930   \bool_if:nT{
18931     \g_mix_iiid_bool && (
18932       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
18933     )
18934   }{/View~\l_mix_dfltview_tl}
18935   /Presentation~<<
18936     /Transparent~\g_mix_transp_tl
18937     \bool_if:NTF\g_mix_opt_windowed_bool{
18938       /Style/Windowed
18939       /Window~<<
18940         /Width~<</Default~\tl_mix_fltwd>>

```



```

18941         /Height~<</Default~\tl_mix_fltht>>
18942         /Position~<<
18943         /HOffset~0/VOffset~0
18944         \str_case_e:nnF{\g_mix_winpos_tl}{
18945             {tl}{/VAlign/Near/HAlign/Near}
18946             {cl}{/VAlign/Center/HAlign/Near}
18947             {bl}{/VAlign/Far/HAlign/Near}
18948             {bc}{/VAlign/Far/HAlign/Center}
18949             {br}{/VAlign/Far/HAlign/Far}
18950             {cr}{/VAlign/Center/HAlign/Far}
18951             {tr}{/VAlign/Near/HAlign/Far}
18952             {tc}{/VAlign/Near/HAlign/Center}
18953             }{/HAlign/Center/VAlign/Center}
18954         >>
18955     >>
18956     }{
18957         /Style/Embedded
18958     }
18959     \bool_if:NTF\g_mix_iiid_bool{
18960         /Toolbar~\g_mix_tools_tl
18961         /NavigationPane~\g_mix_nav_tl
18962     }{
18963         /PassContextClick~\g_mix_contextclick_tl
18964     }
18965     >>
18966     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
18967     >>
18968     /Deactivation~<</Condition\g_mix_deact_tl>>
18969 }
18970 \tl_set:Nx\l_mix_settings_tl{mix_pdflastobj:}
18971 \tl_if_empty:NF\g_mix_usrlabel_tl{
18972     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
18973 }
18974 % #1:width, #2:height, #3:depth, #4:content (key-value)
18975 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
18976     /Subtype/RichMedia
18977     /F~4
18978     /BS~<</W~0/S/S>>
18979     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
18980     /NM~(\g_mix_label_tl)
18981     /AP~<</N~\g_mix_appearance_tl>>
18982     /RichMediaSettings~\l_mix_settings_tl
18983     /RichMediaContent~\l_mix_content_tl
18984 }
18985 \tl_if_empty:NF\g_mix_usrlabel_tl{
18986     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
18987     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
18988         \noexpand\the\g@mix@page@int}
18989 }
18990 \mix_pdfobj:nnn{}{dict}{
18991     /S/JavaScript/JS~(
18992     try{
18993         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18994         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){

```



```

18995         annotRM['\g_mix_label_tl']=
18996             this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
18997     }
18998     \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
18999         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
19000             var~ocgs=this.getOCGs(this.pageNum);
19001             for(var~i=0;i<ocgs.length;i++){
19002                 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
19003                     var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
19004                 }
19005             }
19006         }
19007         if(
19008             !annotRM['\g_mix_label_tl'].activated&&(
19009                 app.viewerType=='Reader' ||
19010                 app.viewerType=='Exchange' ||
19011                 app.viewerType=='Exchange-Pro'
19012             )&&app.viewerVersion>=9
19013         ){
19014             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
19015         }
19016     }
19017 }catch(e){}
19018 this.dirty=false;
19019 )
19020 }
19021 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
19022     /Subtype/Widget
19023     /FT/Btn/Ff~65537/F~2
19024     /BS~<</W~0>>
19025     /T~(fd@\g_mix_label_tl)
19026     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
19027 }
19028 \mix_appendtofields:n{\mix_pdflastann:}
19029 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
19030 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
19031     \hbox_to_wd:nn{\g_mix_wd_tl}{
19032         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
19033     }
19034 }{%insert play button overlay
19035     \mix_insert_btnocg: %create OCG
19036     \cs_gset_eq:Nc\mix_pbbtn:NN{g@mix@pbbtn@\g_mix_usrpbtn_tl @tl}
19037     \group_begin:
19038     \cs_if_exist:NT\textdir{\textdir TLT}
19039     \sbox\l_mix_pbbtn_box{\mix_pbbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
19040     \box_move_down:nn{\g_mix_dp_tl}{
19041         \hbox_to_wd:nn{\g_mix_wd_tl}{
19042             \vbox_to_ht:nn{\g_mix_tt_tl}{
19043                 \vss
19044                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
19045                 \box_use:N\l_mix_pbbtn_box
19046                 \ocgbase_oc_emc:
19047             }
19048         }

```



```

19049     }
19050     \group_end:
19051   }
19052   \int_gincr:N\g_mix_rmcnt_int
19053 }
19054 \mix_endLTR:
19055 \group_end:
19056 }
19057 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
19058 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
19059
19060 \RenewDocumentCommand\mediabutton{0{m}}{-%#1 options, #2 normal button text
19061   \mix_urriend:
19062   \group_begin:
19063   \mix_beginLTR:
19064   \mode_leave_vertical:
19065   %reset various variables
19066   \tl_gclear:N\g_mix_overbtn_tl
19067   \tl_gclear:N\g_mix_downbtn_tl
19068   \tl_gclear:N\g_mix_btnactions_tl
19069   \tl_gclear:N\g_mix_tooltip_tl
19070   %process options
19071   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
19072   \mix_uribegin: %treat URI characters correctly
19073   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
19074   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
19075   \mix_urriend:
19076   %normal button appearance
19077   %\hbox_set:Nn\l_mix_poster_box{#2}
19078   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19079   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
19080   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
19081   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
19082   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
19083     \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
19084       \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
19085     \mix_pdfxform:n{\l_mix_poster_box}
19086     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
19087     %insert widget annotation
19088     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
19089       /Subtype/Widget
19090       /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
19091       \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
19092       /FT/Btn/Ff~65536
19093       \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
19094       /AP~<<
19095       /N~\g_mix_normalbtn_tl
19096       \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
19097       \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
19098     >>
19099     /MK~<<
19100     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
19101     /I~\g_mix_normalbtn_tl
19102     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}

```



```

19103     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
19104     >>
19105     /A~<<
19106     /S/JavaScript/JS~(app.focusRect=false;)
19107     %sequence of actions to perform
19108     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
19109     >>
19110     }
19111     \mix_appendtofields:n{\mix_pdflastann:}
19112     \hbox_to_wd:nn{\width}{
19113     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
19114     }
19115     \int_gincr:N\g_mix_mbtncnt_int
19116     }
19117     \mix_endLTR:
19118     \group_end:
19119 }
19120 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
19121 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
19122

```

## 115 File memoir-xetex-bidi.def

```

19123 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for X
19124 \renewcommand{\keepthetitle}{%
19125   \@bsmtitleempty
19126   \global\let\thanks\relax
19127   \global\let\LTRthanks\relax
19128   \global\let\RTLthanks\relax
19129   \global\let\and\relax
19130   \global\let\andnext\relax
19131   \global\let\@thanks\@empty
19132   \global\let\@title\@empty
19133   \global\let\@author\@empty
19134   \global\let\@date\@empty}
19135 \renewcommand{\maketitle}{\par
19136   \begingroup
19137     \@bsmarkseries
19138     \def\@makefnmark{\@textsuperscript{%
19139       \normalfont\@bsthanksheadpre \tmark \@bsthanksheadpost}}}%
19140     \long\def\@makefntext##1{\makethanksmark ##1}
19141     \if@twocolumn
19142       \ifnum \col@number=\@ne
19143         \@maketitle
19144       \else
19145         \twocolumn[\@maketitle]%
19146       \fi
19147     \else
19148       \ifdim\pagetotal>\z@
19149         \newpage
19150       \fi
19151       \global\@topnum\z@
19152       \@maketitle
19153     \fi

```



```

19154 \thispagestyle{title}\@thanks
19155 \endgroup
19156 \@bscontmark % \setcounter{footnote}{0}%
19157 }
19158 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
19159 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
19160 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
19161 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
19162 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
19163 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
19164 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
19165 \renewcommand*{\thesubsection}{%
19166 \thesection\@SepMark\@arabic\c@subsection}
19167 \renewcommand*{\thesubsubsection}{%
19168 \thesubsection\@SepMark\@arabic\c@subsubsection}
19169 \renewcommand*{\theparagraph}{%
19170 \thesubsubsection\@SepMark\@arabic\c@paragraph}
19171 \renewcommand*{\thesubparagraph}{%
19172 \theparagraph\@SepMark\@arabic\c@subparagraph}
19173 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
19174 \renewcommand{\theequation}{%
19175 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19176 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
19177 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
19178 \ifartopt
19179 \chapterstyle{article}
19180 \counterwithout{figure}{chapter}
19181 \counterwithout{table}{chapter}
19182 \counterwithout{footnote}{chapter}
19183 \counterwithout{equation}{chapter}
19184 \renewcommand{\chaptername}{}
19185 \renewcommand{\maketitlehookb}{%
19186 \vskip -1.5\topsep\vskip -1.5\partopsep}
19187 \renewcommand{\maketitlehookc}{%
19188 \vskip -1.5\topsep\vskip -1.5\partopsep}
19189 \fi
19190 \long\def\makecaption#1#2{\let\@memtempa\relax
19191 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
19192 \else \def\@memtempa{\vbox to\topskip{}}\fi
19193 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
19194 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
19195 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
19196 \let\footnote\@contfnote
19197 \let\footnotemark\@contfmark
19198 \ifdim\wd\@tempboxa<\linewidth \centering \fi
19199 \if@contcw
19200 \centering
19201 \parbox{\@contcwidth}{%
19202 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
19203 \fi
19204 \ifdim\wd\@tempboxa<\linewidth
19205 \@contpre
19206 {\@contnfont #1\@contdelim}\@memtempa
19207 {\@contcshortstyle \@conttfont #2\@contfinal\par}

```



```

19208 \else
19209   \if@conthang
19210     \sbox\@tempboxa{\@contnfont #1\@contdelim}
19211     \@contpre%
19212     {\@contcstyle\hangindent=\wd\@tempboxa
19213     \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
19214   \else
19215     \if@contindent
19216       \@contpre%
19217       {\@contnfont #1\@contdelim}\@memtempa
19218       {\@contcstyle\hangindent=\@contindw
19219       \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
19220     \else
19221       \@contpre%
19222       {\@contnfont #1\@contdelim}\@memtempa
19223       {\@contcstyle \@conttfont #2\@contfinal\par}
19224     \fi
19225   \fi
19226 \fi
19227 \@contpost
19228 \if@contcw
19229   \par
19230 } % end of the \parbox
19231 \fi
19232 \vskip\belowcaptionskip}
19233 \@ifpackageloaded{caption}{%
19234 \AtBeginPackage{caption}{
19235 \ClassWarningNoLine{memoir}{%
19236 You are using the caption package with the memoir \MessageBreak
19237 class. This may cause unexpected or inconsistent \MessageBreak
19238 results if you use any of memoir's captioning facilities}
19239
19240 \long\def\@makecaption##1##2{%
19241 \vskip\abovecaptionskip
19242 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
19243 \ifdim \wd\@tempboxa >\hsize
19244   \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
19245 \else
19246   \global \@minipagefalse
19247   \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
19248 \fi
19249 \vskip\belowcaptionskip}
19250
19251 \def\caption{%
19252   \ifx\@capttype\@undefined
19253     \@latex@error{\noexpand\caption outside float}\@ehd
19254     \expandafter\@gobble
19255   \else
19256     \refstepcounter\@capttype
19257     \expandafter\@firstofone
19258   \fi
19259   {\@dblarg{\@caption\@capttype}}%
19260 }
19261

```





```

19262 \long\def\@caption##1[##2]##3{%
19263   \par
19264   \addcontentsline{\csname ext@##1\endcsname}{##1}%
19265     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
19266   \begingroup
19267     \@parboxrestore
19268     \if@minipage
19269       \@setminipage
19270     \fi
19271     \normalsize
19272     \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
19273   \endgroup}
19274 }}{}
19275 \renewenvironment{thebibliography}[1]{%
19276   \bibsection
19277   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19278   \bidi@thebibliography@font@hook%
19279   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

## 116 File midfloat-xetex-bidi.def

```

19280 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
19281 \def\RTL@outputdblcol{%
19282   \if@firstcolumn
19283     \global \@firstcolumnfalse
19284     \global\setbox\@leftcolumn\copy\@outputbox
19285     \splitmaxdepth\maxdimen
19286     \vbadness\maxdimen
19287     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19288     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19289     \toks@\expandafter{\topmark}%
19290     \xdef\@firstcoltopmark{\the\toks@}%
19291     \toks@\expandafter{\splitfirstmark}%
19292     \xdef\@firstcolfirstmark{\the\toks@}%
19293     \ifx\@firstcolfirstmark\@empty
19294       \global\let\@setmarks\relax
19295     \else
19296       \gdef\@setmarks{%
19297         \let\firstmark\@firstcolfirstmark
19298         \let\topmark\@firstcoltopmark}%
19299     \fi
19300     \global\c@colht\@colht\global\c@advvipersep\z@
19301     \ifnum\jua@sk>0
19302       \remove@strip\jua@sar
19303       \global\@colht\the\jua@pr
19304       \ifdim\right@cor>\z@
19305         \global\advance\@colht by\right@cor
19306       \fi
19307       \global\advance\@colht by\cor@height
19308       \global\cor@height=0pt
19309     \fi
19310     \global\setbox\@rightcolumn\vbox{}%
19311   \else
19312     \ifdim\c@colht>\@colht

```



```

19313     \@tempdima\@colht
19314     \ifdim\@colht>\z@
19315     \global\setbox\@rightcolumn \vbox{%
19316         \unvbox\@rightcolumn
19317         \vbox to\@tempdima{%
19318             \vskip\c@addvipersep\unvbox\@outputbox}%
19319         \vskip\stripsep
19320         \vrule height\the\juo@ht width Opt depth Opt
19321         \vskip\stripsep
19322     }%
19323     \global\c@addvipersep\m@addvipersep
19324     \else
19325     \global\setbox\@rightcolumn \vbox{%
19326         \unvbox\@rightcolumn
19327         \vrule height\the\juo@ht width Opt depth Opt
19328         \vskip\stripsep
19329     }%
19330     \fi
19331     \ifnum\juo@sk>0
19332         \remove@strip\juo@sar
19333         \global\@colht\the\juo@pr
19334         \global\advance\@colht by -\ht\@rightcolumn
19335         \global\advance\@colht by\cor@height
19336         \global\cor@height=0pt
19337     \else
19338         \global\advance\c@colht by-\ht\@rightcolumn
19339         \global\@colht\c@colht
19340     \fi
19341     \else
19342     \global\@firstcolumntrue
19343     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19344         \unvbox\@rightcolumn
19345         \vskip\c@addvipersep
19346         \unvbox\@outputbox
19347     }%
19348     \setbox\@outputbox \vbox {%
19349         \hb@xt@\textwidth {%
19350             \hskip \columnwidth
19351             \hfil
19352             \vrule \@width\columnseprule
19353             \hfil
19354             \hb@xt@\columnwidth {%
19355                 \bidi@firstcolumn@status@write%
19356                 \box\@leftcolumn \hss}%
19357             \hskip-\textwidth
19358             \hb@xt@\columnwidth {%
19359                 \bidi@lastcolumn@status@write%
19360                 \box\@outputbox \hss}%
19361             \hskip\columnwidth
19362             \hskip\columnsep}%
19363         }%
19364     \@combinedblfloats
19365     \@setmarks
19366     \@outputpage

```



```

19367 \begingroup
19368 \dblfloatplacement
19369 \@startdblcolumn
19370 \@whilesw@if@colmade \fi
19371 {\@outputpage
19372 \@startdblcolumn}%
19373 \endgroup
19374 \global\jua@sk=0\global\jua@sar={}%
19375 \global\cor@height\z@\global\c@advvipersep\z@
19376 \fi
19377 \fi
19378 }
19379
19380
19381 \def\LTR@outputdblcol{%
19382 \if@firstcolumn
19383 \global \@firstcolumnfalse
19384 \global\setbox\@leftcolumn\copy\@outputbox
19385 \splitmaxdepth\maxdimen
19386 \vbadness\maxdimen
19387 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19388 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19389 \toks@\expandafter{\topmark}%
19390 \xdef\@firstcoltopmark{\the\toks@}%
19391 \toks@\expandafter{\splitfirstmark}%
19392 \xdef\@firstcolfirstmark{\the\toks@}%
19393 \ifx\@firstcolfirstmark\@empty
19394 \global\let\@setmarks\relax
19395 \else
19396 \gdef\@setmarks{%
19397 \let\firstmark\@firstcolfirstmark
19398 \let\topmark\@firstcoltopmark}%
19399 \fi
19400 \global\c@colht\@colht\global\c@advvipersep\z@
19401 \ifnum\jua@sk>0
19402 \remove@strip\jua@sar
19403 \global\@colht\the\jua@pr
19404 \ifdim\right@cor>\z@
19405 \global\advance\@colht by\right@cor
19406 \fi
19407 \global\advance\@colht by\cor@height
19408 \global\cor@height=Opt
19409 \fi
19410 \global\setbox\@rightcolumn\vbox{%
19411 \else
19412 \ifdim\c@colht>\@colht
19413 \@tempdima\@colht
19414 \ifdim\@colht>\z@
19415 \global\setbox\@rightcolumn\vbox{%
19416 \unvbox\@rightcolumn
19417 \vbox to\@tempdima{%
19418 \vskip\c@advvipersep\unvbox\@outputbox}%
19419 \vskip\stripsep
19420 \vrule height\the\jua@ht width Opt depth Opt

```



```

19421         \vskip\stripsep
19422         }%
19423     \global\c@advipersep\m@advipersep
19424     \else
19425     \global\setbox\@rightcolumn \vbox{%
19426         \unvbox\@rightcolumn
19427         \vrule height\the\jwo@ht width 0pt depth 0pt
19428         \vskip\stripsep
19429         }%
19430     \fi
19431     \ifnum\jwo@sk>0
19432         \remove@strip\jwo@sar
19433         \global\@colht\the\jwo@pr
19434         \global\advance\@colht by -\ht\@rightcolumn
19435         \global\advance\@colht by\cor@height
19436         \global\cor@height=0pt
19437     \else
19438         \global\advance\c@colht by-\ht\@rightcolumn
19439         \global\@colht\c@colht
19440     \fi
19441 \else
19442 \global\@firstcolumntrue
19443 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19444     \unvbox\@rightcolumn
19445     \vskip\c@advipersep
19446     \unvbox\@outputbox
19447     }%
19448 \setbox\@outputbox \vbox {%
19449     \hb@xt@\textwidth {%
19450     \hb@xt@\columnwidth {%
19451     \bidi@firstcolumn@status@write%
19452     \box\@leftcolumn \hss}%
19453     \hfil
19454     \vrule \@width\columnseprule
19455     \hfil
19456     \hb@xt@\columnwidth {%
19457     \bidi@lastcolumn@status@write%
19458     \box\@outputbox \hss}%
19459     }%
19460     }%
19461 \@combinedblfloats
19462 \@setmarks
19463 \@outputpage
19464 \begingroup
19465     \@dblfloatplacement
19466     \@startdblcolumn
19467     \@whilesw\if@fcolmade \fi
19468     {\@outputpage
19469     \@startdblcolumn}%
19470 \endgroup
19471 \global\jwo@sk=0\global\jwo@sar={}%
19472 \global\cor@height\z@\global\c@advipersep\z@
19473 \fi
19474 \fi

```



```

19475 }
19476
19477
19478 \def@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
19479 \global\setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
19480 \hspace\textwidth
19481 \@parboxrestore
19482 \col@number \@ne
19483 \vrule height\topskip width0pt depth0pt
19484 }
19485
19486 \def\endstrip{%
19487 \egroup\egroup
19488 \if@firstcolumn
19489 \ifdim\pagetotal>\z@
19490 \vskip\stripsep
19491 \global\ht@strip\pagegoal
19492 \global\advance\ht@strip by-\pagetotal
19493 \global\advance\ht@strip by-\stripsep
19494 \global\advance\ht@strip by-\ht\@viper
19495 \global\advance\ht@strip by-\stripsep
19496 \global\jua@ht=\ht\@viper
19497 \else
19498 \global\ht@strip\z@
19499 \fi
19500 \ifdim\ht@strip>\z@
19501 \unvbox\@viper
19502 \vskip\stripsep
19503 \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
19504 \global\advance\jua@sk by1
19505 \else
19506 \@latex@error{Strip needs more place!}\@ehc
19507 \if@vihproof
19508 \framebox[\columnwidth]{??? Strip ???}%
19509 \fi
19510 \fi
19511 \else
19512 \@latex@error{Strip is used only on left column!}\@ehc
19513 \if@vihproof
19514 \framebox[\columnwidth]{??? Strip ???}%
19515 \fi
19516 \fi
19517 }

```

## 117 File minitoc-xetex-bidi.def

```

19518 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
19519 \def\undottedtocline#1#2#3#4#5{%
19520 \ifnum #1>\c@tocdepth\relax \else
19521 \vskip \z@ plus.2\p@
19522 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
19523 \parindent #2\relax\@afterindenttrue
19524 \interlinepenalty\@M
19525 \leavevmode

```



```

19526 \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}}%
19527 \hskip -\if@RTL\rightskip\else\leftskip\fi
19528 #4\nobreak\hfill \nobreak
19529 \null\par}%
19530 \fi}
19531 \def\@Undottedtocline#1#2#3#4#5{%
19532 \ifnum #1>\c@tocdepth\relax \else
19533 \vskip \z@ \@plus.2\p@
19534 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocma
19535 \parindent #2\relax\@afterindenttrue
19536 \interlinepenalty\@M
19537 \leavevmode
19538 \@tempdima #3\relax
19539 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19540 {\coffeefont #4}\nobreak \nobreak\null
19541 \par}%
19542 \fi}
19543 \def\@Undottedtoclinep#1#2#3#4#5{%
19544 \ifnum #1>\c@tocdepth\relax \else
19545 \vskip \z@ \@plus.2\p@
19546 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocma
19547 \parindent #2\relax\@afterindenttrue
19548 \interlinepenalty\@M
19549 \leavevmode
19550 \@tempdima #3\relax
19551 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19552 {#4}\nobreak \hfill \nobreak\null
19553 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
19554 \par}%
19555 \fi}

```

## 118 File multicol-xetex-bidi.def

```

19556 \ProvidesFile{multicol-xetex-bidi.def}[2022/07/10 v1.4 bidi adaptations for multicol package]
19557 \def\page@sofar{%
19558 \process@cols\mult@rightbox
19559 {\ifvoid\count@
19560 \setbox\count@\hbox to\hsize{}}%
19561 \else
19562 \wd\count@\hsize
19563 \fi}%
19564 \count@\col@number \advance\count@\m@ne
19565 \mult@info\z@
19566 {Column spec: \the\full@width\space = indent
19567 + columns + sep =\MessageBreak
19568 \the\multicol@leftmargin\space
19569 + \the\col@number\space
19570 x \the\hsize\space
19571 + \the\count@\space
19572 x \the\columnsep
19573 }%
19574 \ifvmode\else\errmessage{Multicol Error}\fi
19575 \nointerlineskip
19576 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@

```



```

19577 \moveright\multicol@leftmargin
19578 \hbox to\full@width{%
19579     \bidi@multicol@align@columns
19580     \rlap{\phantom p}%
19581 }%
19582 \prevdepth\z@
19583 \kern-\dimen\tw@
19584 \ifdim\dimen\tw@ > \mc@gridwarn
19585     \PackageWarning{multicol}%
19586     {Very deep columns!\MessageBreak
19587     Grid alignment might be broken}%
19588 \fi
19589 }
19590 \def\LTR@column@boxes{%
19591     \process@cols\mult@firstbox{%
19592         \ifdim\dp\count@>\dimen\tw@
19593             \global\dimen\tw@\dp\count@ \fi
19594         \mc@col@status@write
19595         \box\count@
19596         \hss{\columnseprulecolor\vrule
19597             \@width\columnseprule}\hss}%
19598     \ifdim\dp\mult@rightbox>\dimen\tw@
19599         \global\dimen\tw@\dp\mult@rightbox \fi
19600     \mc@lastcol@status@write
19601     \box\mult@rightbox
19602 }
19603
19604 \def\RTL@column@boxes{%
19605     \process@cols\mult@firstbox{%
19606         \hskip\hsize
19607         \hss{\columnseprulecolor\vrule
19608             \@width\columnseprule}\hss
19609     }%
19610     \hskip\hsize
19611     \process@cols\mult@firstbox{%
19612         \ifdim\dp\count@>\dimen\tw@
19613             \global\dimen\tw@\dp\count@ \fi
19614         \hskip-\hsize
19615         \mc@col@status@write
19616         \box\count@
19617         \hskip-\hsize
19618         \hskip-\columnsep
19619     }%
19620     \ifdim\dp\mult@rightbox>\dimen\tw@
19621         \global\dimen\tw@\dp\mult@rightbox \fi
19622     \hskip-\hsize
19623     \mc@lastcol@status@write
19624     \box\mult@rightbox
19625     \hskip-\hsize
19626     \hskip\full@width
19627 }
19628
19629 \newcommand\RTLmulticolcolumns
19630     {\let\bidi@multicol@align@columns

```



```

19631         \RTL@column@boxes}
19632 \newcommand\LTRmulticolcolumns
19633     {\let\ bidi@multicol@align@columns
19634         \LTR@column@boxes}
19635 \newcommand\ bidi@multicol@align@columns
19636     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
19637 \ bidi@AtEndPreamble{%
19638     \if@ bidi@csdef{footinsv@1}{%
19639         \def\footnoterule{\kern-3\p@
19640             \hrule \@width \textwidth \kern 2.6\p@}%
19641     }{}%
19642 }
19643 \def\multicols#1{\col@number#1\relax
19644     \ifnum\col@number<\tw@
19645         \PackageWarning{multicol}%
19646             {Using ` \number\col@number'
19647             columns doesn't seem a good idea.^~J
19648             I therefore use two columns instead}%
19649         \col@number\tw@ \fi
19650     \ifnum\col@number>20
19651         \PackageError{multicol}%
19652             {Too many columns}%
19653             {Current implementation doesn't
19654             support more than 20 columns.%
19655             \MessageBreak
19656             I therefore use 20 columns instead}%
19657         \col@number20 \fi
19658     \ifx\@footnotetext\mult@footnotetext
19659     \else
19660         \let\orig@footnotetext\@footnotetext
19661         \let\@footnotetext\mult@footnotetext
19662     \fi
19663     \ifx\@LTRfootnotetext\mult@LTRfootnotetext
19664     \else
19665         \let\orig@LTRfootnotetext\@LTRfootnotetext
19666         \let\@LTRfootnotetext\mult@LTRfootnotetext
19667     \fi
19668     \ifx\@RTLfootnotetext\mult@RTLfootnotetext
19669     \else
19670         \let\orig@RTLfootnotetext\@RTLfootnotetext
19671         \let\@RTLfootnotetext\mult@RTLfootnotetext
19672     \fi
19673     \@ifnextchar[\mult@cols{\mult@cols[]}]
19674 \long\def\mult@footnotetext#1{\begingroup
19675     \hsize\textwidth
19676     \columnwidth\textwidth
19677     \orig@footnotetext{#1}\endgroup}
19678 \long\def\mult@LTRfootnotetext#1{\begingroup
19679     \hsize\textwidth
19680     \columnwidth\textwidth
19681     \orig@LTRfootnotetext{#1}\endgroup}
19682 \long\def\mult@RTLfootnotetext#1{\begingroup
19683     \hsize\textwidth
19684     \columnwidth\textwidth

```





```

19685         \orig@RTLfootnotetext{#1}\endgroup}
19686 \def\right@footnoterule{%
19687   \kern-3\p@
19688   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
19689   \kern2.6\p@}
19690 \def\textwidth@footnoterule{\kern-3\p@
19691   \hrule \@width \textwidth \kern 2.6\p@}
19692 \def\bidileave@mult@copyins{%
19693   \advance\dimen@-\skip\@bidi@copyins@
19694   \advance\dimen@-\ht\@bidi@copyins@
19695 }
19696
19697 \bidi@AtEndPreamble{%
19698   \if@bidi@csundef{footinsv01}{%
19699     \bidi@patchcmd{\multi@column@out}{%
19700       \ifvbox \@kludgeins
19701     }{%
19702       \ifvoid\@bidi@copyins@ \else
19703         \bidileave@mult@copyins
19704       \fi
19705       \ifvbox \@kludgeins
19706     }{}{}%
19707   }{}%
19708 }
19709
19710

```

## 119 File multienum-xetex-bidi.def

```

19711 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
19712 \renewcommand{\itemx}[1]{\parbox[t]{%
19713   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19714   \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
19715 \renewcommand{\itemxx}[2]{\parbox[t]{%
19716   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19717   \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
19718   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19719   \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
19720 \renewcommand{\itemxxx}[3]{\parbox[t]{%
19721   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19722   \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
19723   {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
19724   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
19725   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19726   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
19727 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
19728   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19729   \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
19730   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19731   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19732   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19733   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
19734   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19735   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}

```



```

19736 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
19737 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19738 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
19739 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19740 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
19741 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19742 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
19743 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19744 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
19745 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19746 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
19747 \renewcommand{\itemxox}[2]{\parbox[t]{%
19748 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19749 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
19750 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19751 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
19752 \renewcommand{\itemxox}[2]{\parbox[t]{%
19753 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19754 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
19755 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19756 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
19757 \renewcommand{\itemxox}[3]{\parbox[t]{%
19758 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19759 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
19760 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19761 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19762 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19763 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
19764 \renewcommand{\itemxox}[3]{\parbox[t]{%
19765 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19766 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
19767 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19768 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
19769 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19770 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
19771 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
19772 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19773 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
19774 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19775 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19776 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19777 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

## 120 File natbib-xetex-bidi.def

```

19778 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
19779 \renewenvironment{thebibliography}[1]{%
19780 \bibsection
19781 \parindent\z@
19782 \bibpreamble
19783 \bibfont
19784 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
19785 \bidi@@thebibliography@font@hook%
19786 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup#1}\global\c@NAT@ctr\z@}%

```



```

19787 \ifNAT@openbib
19788 \renewcommand\newblock{\par}%
19789 \else
19790 \renewcommand\newblock{\hspace .11em \@plus.33em \@minus.07em}%
19791 \fi
19792 \sloppy\clubpenalty4000\widowpenalty4000
19793 \sfcode`.\@m
19794 \let\NAT@bibitem@first@sw\@firstoftwo
19795 \let\citeN\cite \let\shortcite\cite
19796 \let\citeasnoun\cite
19797 }{%
19798 \bibitem@fin
19799 \bibpostamble
19800 \def\@noitemerr{%
19801 \PackageWarning{natbib}{Empty `thebibliography' environment}%
19802 }%
19803 \endlist
19804 \bibcleanup
19805 }%

```

## 121 File newfloat-xetex-bidi.def

```

19806 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
19807 \renewcommand*newfloat@setwithin[2]{%
19808 \ifcsname c@chapter\endcsname
19809 \@removefromreset{#1}{chapter}%
19810 \fi
19811 \@removefromreset{#1}{section}%
19812 \edef\@tempa{#2}%
19813 \ifx\@tempa\@empty
19814 \def\@tempa{none}%
19815 \fi
19816 \def\@tempb{none}%
19817 \ifx\@tempa\@tempb
19818 \ifcsname c@chapter\endcsname
19819 \@chapterlistsgap@off{#1}%
19820 \fi
19821 \newfloat@@setwithin{#1}{}}{%
19822 \else
19823 \def\@tempb{chapter}%
19824 \ifx\@tempa\@tempb
19825 \@addtoreset{#1}{chapter}%
19826 \@chapterlistsgap@on{#1}%
19827 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
19828 \else
19829 \def\@tempb{section}%
19830 \ifx\@tempa\@tempb
19831 \@addtoreset{#1}{section}%
19832 \ifcsname c@chapter\endcsname
19833 \@addtoreset{#1}{chapter}%
19834 \@chapterlistsgap@on{#1}%
19835 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
19836 \else
19837 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection

```



```

19838     \fi
19839     \else
19840     \newfloat@Error{Invalid value `#2' for option `within'}%
19841     \fi
19842     \fi
19843 \fi}

```

## 122 File nicematrix-xetex-bidi.def

```

19844 \ProvidesFile{nicematrix-xetex-bidi.def}[2024/12/15 v0.3 bidi adaptations for nicematrix pac
19845 \ExplSyntaxOn
19846 \bidi@patchcmd{\__nicematrix_array:n}{\@tabarray}{%
19847 \bool_if:NF \l__nicematrix_tabular_bool \@RTLtabfalse
19848 \@tabarray
19849 }{}{}
19850 \ExplSyntaxOff
19851

```

## 123 File ntheorem-xetex-bidi.def

```

19852 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package
19853 \gdef\@thm#1#2#3{%
19854   \if@thmmarks
19855     \stepcounter{end\InTheoType ctr}%
19856   \fi
19857   \renewcommand{\InTheoType}{#1}%
19858   \if@thmmarks
19859     \stepcounter{curr#1ctr}%
19860     \setcounter{end#1ctr}{0}%
19861   \fi
19862   \refstepcounter{#2}%
19863   \theorem@prework
19864   \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
19865   \ifvmode \advance\thm@topsepadd\partopsep\fi
19866   \trivlist
19867   \@topsep \theorem@preskipamount
19868   \@topsepadd \thm@topsepadd % used by \@endparenv
19869   \advance\linewidth -\theorem@indent
19870   \advance\@totalleftmargin \theorem@indent
19871   \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
19872   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 124 File ntheorem-hyper-xetex-bidi.def

```

19873 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-h
19874 \gdef\@thm#1#2#3{%
19875   \if@thmmarks
19876     \stepcounter{end\InTheoType ctr}%
19877   \fi
19878   \renewcommand{\InTheoType}{#1}%
19879   \if@thmmarks
19880     \stepcounter{curr#1ctr}%
19881     \setcounter{end#1ctr}{0}%
19882   \fi

```



```

19883 \refstepcounter{#2}%
19884 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
19885 \ifvmode \advance\thm@topsepadd\partopsep\fi
19886 \trivlist
19887 \@topsep \theorempreskipamount
19888 \@topsepadd \thm@topsepadd % used by \@endparenv
19889 \advance\linewidth -\theorem@indent
19890 \advance\@totalleftmargin \theorem@indent
19891 \if@RTL\parshape \@one Opt \linewidth\else \parshape \@one \@totalleftmargin \linewidth\fi
19892 \ifnextchar [{\@ythem{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}]

```

## 125 File overpic-xetex-bidi.def

```

19893 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
19894 \renewenvironment{overpic}[2] []{%
19895 \sbox{z@}{\includegraphics[#1]{#2}}%
19896 \settodepth{\@tempcnta}{\usebox{z@}}%
19897 \settoheight{\@tempcntb}{\usebox{z@}}%
19898 \advance\@tempcntb\@tempcnta%
19899 \settowidth{\@tempcnta}{\usebox{z@}}%
19900 \setlength{\@tempdima}{\unitlength}%
19901 \count@=z@\Gin@gridfalse\setkeys{Gin}{#1}%
19902 %
19903 \OVP@calc%
19904 %
19905 \begin{picture}(\@tempcnta,\@tempcntb)%
19906 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}%
19907 \ifGin@grid%
19908 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
19909 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
19910 \fi\fi%
19911 % reset the graphics parameter
19912 \let\Gin@outer@scalex\relax
19913 \let\Gin@outer@scaley\relax
19914 \let\Gin@angle\relax
19915 \let\Gin@ewidth\Gin@exclamation
19916 \let\Gin@eheight\Gin@ewidth
19917 \def\Gin@scalex{1}
19918 \let\Gin@scaley\Gin@exclamation
19919 }{%
19920 \if@RTL\ifGin@grid%
19921 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
19922 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
19923 \fi%
19924 \put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}\fi%
19925 \end{picture}%
19926 }%

```

## 126 File pdfbase-xetex-bidi.def

```

19927 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
19928 \ExplSyntaxOn
19929 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
19930 \cs_set_nopar:Npn\@outputpage{

```



```

19931 \int_gincr:N\g_pbs_page_int
19932 \box_if_vertical:cTF{@outputbox}{
19933   \bool_set_true:N\l_pbs_is_vertical_bool
19934 }{
19935   \bool_set_false:N\l_pbs_is_vertical_bool
19936 }
19937 \hbox_set:Nn\@outputbox{
19938   %begin of page
19939   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
19940   \box_use_drop:N\@outputbox
19941   %end of page
19942   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
19943 }
19944 \bool_if:NT\l_pbs_is_vertical_bool{
19945   \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
19946 }
19947 \pbs_outputpage_orig:
19948 }
19949 \ExplSyntaxOff

```

## 127 File pdfscape-xetex-bidi.def

```

19950 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa
19951 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
19952   \ifRTL
19953     \PLS@Rotate{-90}%
19954   \else
19955     \PLS@Rotate{90}%
19956   \fi
19957 }{}{}

```

## 128 File pdfpages-xetex-bidi.def

```

19958 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package
19959 \renewcommand*{\includepdf}[2] [] {%
19960   \begingroup
19961   \@RTLfalse
19962   \let\AM@threadname\relax
19963   \AM@split@options{pdfpages}{#1}%
19964   \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
19965   \expandafter\setkeys\AM@temp
19966   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
19967     \let\AM@currentdocname\relax
19968     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
19969     \def\AM@pagecount{0}%
19970   }{%
19971     \AM@findfile{#2}%
19972     \if\AM@threadname\relax
19973       \def\AM@threadname{\AM@currentdocname}%
19974     \fi
19975   }%
19976   \ifAM@survey
19977     \def\AM@pagestemp{}%
19978     \@tempcnta=0

```



```

19979 \def\foo{%
19980 \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
19981 {\let\foo\relax}
19982 {\expandafter\ifx\expandafter\\AM@pagestemp\\
19983 \edef\AM@pagestemp{%
19984 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
19985 \else
19986 \edef\AM@pagestemp{\AM@pagestemp,%
19987 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
19988 \fi
19989 \advance\@tempcnta 1\relax
19990 }%
19991 \foo
19992 }%
19993 \foo
19994 \expandafter\ifx\expandafter\\AM@pagestemp\\
19995 \def\AM@pagestemp{1}%
19996 \fi
19997 \fi
19998 \ifAM@output
19999 \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
20000 \AM@output{#1}%
20001 \fi
20002 \AM@CheckAtEnd
20003 \endgroup
20004 \AM@ClearShipoutPicture
20005 }

```

## 129 File pgfcorescopes.code-xetex-bidi.def

```

20006 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
20007 \def\pgfpicture{%
20008 \begingroup%
20009 \ifmmode\else\@RTLfalse\beginL\fi%
20010 \pgfpicturetrue%
20011 \global\advance\pgf@picture@serial@count by1\relax%
20012 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
20013 \let\pgf@nodecallback=\pgfutil@gobble%
20014 \pgf@picmaxx=-16000pt\relax%
20015 \pgf@picminx=16000pt\relax%
20016 \pgf@picmaxy=-16000pt\relax%
20017 \pgf@picminy=16000pt\relax%
20018 \pgf@relevantforpicturesizetrue%
20019 \pgf@resetpathsizes%
20020 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
20021 \def\endpgfpicture{%
20022 \ifpgfrememberpicturepositiononpage%
20023 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
20024 \fi%
20025 % ok, now let's position the box
20026 \ifdim\pgf@picmaxx=-16000pt\relax%
20027 % empty picture. make size 0.
20028 \global\pgf@picmaxx=0pt\relax%
20029 \global\pgf@picminx=0pt\relax%

```



```

20030         \global\pgf@picmaxy=0pt\relax%
20031         \global\pgf@picminy=0pt\relax%
20032     \fi%
20033     % Shift baseline outside:
20034     \pgf@relevantforpicturesizefalse%
20035     \pgf@process{\pgf@baseline}%
20036     \xdef\pgf@shift@baseline{\the\pgf@y}%
20037     %
20038     \pgf@process{\pgf@trimleft}%
20039     \global\advance\pgf@x by-\pgf@picminx
20040     % prepare \hskip\pgf@trimleft@final.
20041     % note that \pgf@trimleft@final is also queried
20042     % by the pgf image externalization.
20043     \xdef\pgf@trimleft@final{-\the\pgf@x}%
20044     %
20045     \pgf@process{\pgf@trimright}%
20046     \global\advance\pgf@x by-\pgf@picmaxx
20047     % prepare \hskip\pgf@trimright@final.
20048     % note that \pgf@trimright@final is also queried
20049     % by the pgf image externalization.
20050     \xdef\pgf@trimright@final{\the\pgf@x}%
20051     %
20052     \pgf@remember@layerlist@globally
20053     \endgroup%
20054     \hss%
20055     \egroup%
20056     \pgf@restore@layerlist@from@global
20057     \pgf@insertlayers%
20058     \endgroup%
20059     \pgfsys@discardpath%
20060     \endgroup%
20061     \pgfsys@endscope%
20062     \pgfsys@endpicture%
20063     \endgroup%
20064     \hss
20065 \egroup%
20066 \pgfsys@typesetpicturebox\pgfpic%
20067 \ifmmode\else\endL\fi%
20068 \endgroup%
20069 }

```

## 130 File `pgfsys.code-xetex-bidi.def`

```

20070 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.t
20071 \def\pgfsys@shadingoutsidepgfpicture#1{%
20072   \beginL#1\endL%
20073 }
20074
20075

```

## 131 File `picinpar-xetex-bidi.def`

```

20076 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package
20077 \long\def\@makewincaption#1#2{%

```





```

20078 \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
20079 \ifdim\wd\@tempboxa>\picwd
20080   {\footnotesize{\bf #1:\enspace}{#2\par}}
20081 \else
20082   \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
20083 \fi}
20084 \def\endwindow{%
20085   \global\tcd=\tcdsav
20086   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
20087   \vbadness=10000
20088   \splittopskip=0pt
20089 %
20090 % Typeset the lines above the window
20091 %
20092 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
20093 \tcn=\tcd
20094 \loop\advance\tcn -1
20095 \setbox\fslice=\vsplit\holder to\baselineskip
20096 \prune\fslice\linewidth
20097 \topheight=0pt
20098 \ifnum\dp\fslice>\dp\wstrutbox
20099   \advance\topheight-\dp\fslice
20100   \advance\topheight\dp\wstrutbox
20101   \advance\topheight\ilg\fi
20102 \hbox to\linewidth{\box\fslice}
20103 \vskip-\topheight
20104 \ifdim\ht\holder>0pt\repeat
20105 \fi
20106 %
20107 % Now we build the boxes beside the window
20108 %
20109 \global\topheight=\tcl\baselineskip
20110 \ifnum\cumpartcl>0\global\tcl=\cumtcl
20111   \global\topheight=\vpic
20112 \fi
20113 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
20114 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
20115 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
20116 \tcn=\tcl \na=0 \nb=0
20117 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
20118 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
20119 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
20120 \ifnum\na=0\ifnum\nb=0
20121   \setbox\waslice=\vbox to\vpic{\vss}
20122   \setbox\wbslice=\vbox to\vpic{\vss}
20123   \bl=1\br=1
20124   \vskip\ilg
20125 \fi\fi
20126 %
20127 % both sides
20128 %
20129 \ifnum\na>0 \ifnum\nb>0
20130 \loop\advance\nb -1
20131 \advance\na -1

```



```

20132 \if@RTL%
20133 \setbox\bslice=\vsplit\holder to\baselineskip
20134 \prune\bslice\rtside
20135 \setbox\wbslice=\vbox{\unvbox\bslice\hbox
20136 to\rtside{\box\bslice\hfil}}
20137 \setbox\aslice=\vsplit\holder to\baselineskip
20138 \prune\aslice\lftside
20139 \setbox\waslice=\vbox{\unvbox\aslice\hbox
20140 to\lftside{\box\aslice\hfil}}
20141 \else%
20142 \setbox\aslice=\vsplit\holder to\baselineskip
20143 \prune\aslice\lftside
20144 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20145 to\lftside{\box\aslice\hfil}}
20146 \setbox\bslice=\vsplit\holder to\baselineskip
20147 \prune\bslice\rtside
20148 \setbox\wbslice=\vbox{\unvbox\bslice\hbox
20149 to\rtside{\box\bslice\hfil}}
20150 \fi%
20151 \ifnum\nb>0\repeat
20152 \fi\fi
20153 %
20154 % only text on the left side
20155 %
20156 \ifnum\na>0
20157   \loop\advance\na -1
20158   \setbox\aslice=\vsplit\holder to\baselineskip
20159   \prune\aslice\lftside
20160   \setbox\waslice=\vbox{\unvbox\waslice\hbox
20161   to\lftside{\box\aslice\hfil}}
20162   \ifdim\ht\holder>0pt\repeat
20163 \fi
20164 %
20165 % only text on the right side
20166 %
20167 \ifnum\nb>0
20168   \loop\advance\nb -1
20169   \setbox\bslice=\vsplit\holder to\baselineskip
20170   \prune\bslice\rtside
20171   \setbox\wbslice=\vbox{\unvbox\bslice\hbox
20172   to\rtside{\box\bslice\hfil}}
20173   \ifdim\ht\holder>0pt\repeat
20174 \fi
20175 %
20176 % fixing the dimensions of the window part
20177 %
20178 \ifnum\bl=0\topheight=\ht\wbslice
20179 \else\ifnum\br=0\topheight=\ht\waslice
20180   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
20181   \else\topheight=\ht\wbslice\fi\fi\fi
20182 %
20183 % ship out the window material to the main vertical list
20184 %
20185 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight

```



```

20186 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
20187 \fi\fi\fi
20188 \setbox>windowbox=\vbox{\hbox to\linewidth{%
20189 \ifnum\bl>0\box\waslice\hfill\fi%
20190 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
20191 \vfill\unvbox\picbox%
20192 \ifnum\picwd>0\vfill\fi%
20193 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
20194 \unvbox>windowbox%
20195 \loop
20196 \setbox\bslice=\vsplit\rawtext to\baselineskip
20197 \prune\bslice\linewidth
20198 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfill}}
20199 \unvbox\wbslice
20200 \ifdim\ht\rawtext>0pt
20201 \repeat
20202 }% FINITO

```

## 132 File plain-xetex-bidi.def

```

20203 \def\TeXeTOn{\TeXeTstate=1 }
20204 \def\TeXeTOff{\TeXeTstate=0 }
20205 \TeXeTOn
20206 \def\usebox#1{\leavevmode\copy #1\relax}
20207 \def\ bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox#1\fi}
20208 \let\ bidi@o@everypar=\everypar
20209 \newtoks\ bidi@n@everypar
20210 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
20211 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
20212 \let\ everypar=\ bidi@n@everypar
20213 \def\ moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20214 \def\ moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20215 \protected\def\ hboxR{\hbox\bgroup
20216 \everyhbox{%
20217 \aftergroup\egroup
20218 \everyhbox{}}%
20219 \beginR
20220 \@hboxRconstructtrue
20221 \bgroup
20222 \aftergroup\endR
20223 \aftergroup\egroup
20224 }\hbox}
20225 \protected\def\ hboxL{\hbox\bgroup
20226 \everyhbox{%
20227 \aftergroup\egroup
20228 \everyhbox{}}%
20229 \beginL
20230 \@hboxRconstructfalse
20231 \bgroup
20232 \aftergroup\endL
20233 \aftergroup\egroup
20234 }\hbox}
20235 \protected\def\ vboxR{\vbox\bgroup
20236 \everyvbox{%

```



```

20237 \aftergroup\egroup
20238 \everyvbox{}%
20239 \@RTLtrue
20240 \bgroup
20241 \aftergroup\egroup
20242 }\vbox}
20243 \protected\def\vboxL{\vbox\bgroup
20244 \everyvbox{%
20245 \aftergroup\egroup
20246 \everyvbox{}%
20247 \@RTLfalse
20248 \bgroup
20249 \aftergroup\egroup
20250 }\vbox}
20251 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
20252 \def\endLTR{\par}
20253 \def\RTL{\par\@RTLtrue\@RTL@footnotettrue\hsize\linewidth\parshape\z@}
20254 \def\endRTL{\par}
20255 \def\setRTL{\@RTLtrue\@RTL@footnotettrue}
20256 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
20257 \let\unsetRTL=\setRTL
20258 \let\unsetLTR=\setLTR
20259 \let\LR=\LRE
20260 \let\RL=\RLE
20261 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20262 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20263 \let\@ensure@RL=\@ensure@RTL
20264 \let\@ensure@LR=\@ensure@LTR
20265 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20266 \let\@ensure@maindir=\@ensure@dir
20267 \def\@RTL{RTL}
20268 \def\@LTR{LTR}
20269 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20270 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
20271 \let\@TeX\TeX
20272 \def\TeX{\@ensure@LTR{\@TeX}}
20273 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
20274 \dimen@=\dp\@cclv\unvbox\@cclv % open up \box255
20275 \ifvoid\footins\else % footnote info is present
20276 \vskip\skip\footins
20277 \footnoterule
20278 \unvbox\footins\fi
20279 \if@eggedbottom \kern-\dimen@ \vfil \fi
20280 \ifvoid\@bidi@copyins@
20281 \else
20282 \vskip\skip\@bidi@copyins@
20283 \unvbox\@bidi@copyins@
20284 \fi
20285 }
20286 \long\def\@bidi@reflect@box#1{%
20287 \leavevmode
20288 \setbox\z@\hbox{#1}%
20289 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20290 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%

```



```

20291 }
20292 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20293 \hbox{\kern-.125em\ bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20294 \let\setRL=\setRTL
20295 \let\setLR=\setLTR
20296 \let\unsetRL=\setLTR
20297 \let\ bidi@sav@d@eqno=\eqno
20298 \let\ bidi@sav@d@leqno=\leqno
20299 \def\eqno{\ifnum\predisplaydirection<\z@ \ bidi@sav@d@leqno \else \ bidi@sav@d@eqno \fi}
20300 \def\leqno{\ifnum\predisplaydirection<\z@ \ bidi@sav@d@eqno \else \ bidi@sav@d@leqno \fi}
20301 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20302 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20303 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

### 133 File pstricks-xetex-bidi.def

```

20304 \ProvidesFile{pstricks-xetex-bidi.def}[2022/09/22 v0.6 bidi adaptations for pstricks package]
20305 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
20306 \def\endpspicture{%
20307 \ifshowgrid\ifnum\showgridp@s>0
20308 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
20309 \pst@killglue
20310 % \global\pst@shift=\pst@shift% in fact of the following endgroup
20311 \endgroup
20312 \egroup
20313 \ifdim\wd\pst@hbox=\z@ \else
20314 %\@pstrickserr{Extraneous space in the pspicture environment}%
20315 %\Type \space <return> \space to proceed.}%
20316 \fi
20317 \ht\pst@hbox=\pst@dimd
20318 \dp\pst@hbox=-\pst@dimb
20319 \setbox\pst@hbox=\hbox{%
20320 \kern-\pst@dima
20321 % Orig version -----
20322 %\ifx\pst@tempa\@empty\else
20323 %\advance\pst@dimd-\pst@dimb
20324 %\pst@dimd=\pst@tempa\pst@dimd
20325 %\advance\pst@dimd\pst@dimb
20326 %\lower\pst@dimd
20327 %\fi
20328 %----- end Orig
20329 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
20330 \advance\pst@dimd-\pst@dimb
20331 \pst@dimd=0.5\pst@dimd
20332 \else\pst@dimd-\pst@shift\fi
20333 \advance\pst@dimd\pst@dimb
20334 \lower\pst@dimd
20335 \box\pst@hbox
20336 \kern\pst@dimc}%
20337 \ifstar\setbox\pst@hbox=\hbox{\clipbox@{\z@}\fi
20338 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
20339 \fboxsep=0pt
20340 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
20341 \ifmmode\else\endL\fi

```



```

20342 \endgroup%
20343 \psset[pstricks]{shift=0}% reset value
20344 }
20345
20346 \bidi@patchcmd\@@scalebox{%
20347 \special{x: bscale \pst@tempc \pst@tempd}%
20348 \hbox to \z@\box\pst@hbox\hss}%
20349 \special{x: escale}%
20350 }{%
20351 \if@RTL
20352 \special{x: escale}%
20353 \else
20354 \special{x: bscale \pst@tempc \pst@tempd}%
20355 \fi
20356 \hbox to \z@\box\pst@hbox\hss}%
20357 \if@RTL
20358 \special{x: bscale \pst@tempc \pst@tempd}%
20359 \else
20360 \special{x: escale}%
20361 \fi
20362 }{}{}
20363 \let\ps@@scalebox\@@scalebox
20364

```

## 134 File quotchap-xetex-bidi.def

```

20365 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
20366 \renewcommand{\qauthor}[1]{%
20367 \par\smallskip
20368 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}
20369 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
20370 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
20371 \chapnumfont
20372 \ifnum \c@secnumdepth >\m@ne%
20373 \if@mainmatter\thechapter%
20374 \fi\fi
20375 \par\nobreak}%
20376 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
20377 \nobreak\chapterheadendvskip}}
20378 \renewcommand*{\@iprintcites}{%
20379 \vbox to \z@\{\leavevmode\copy\@quotebox\vss}
20380 \global\let\@printcites\relax}

```

## 135 File ragged2e-xetex-bidi.def

```

20381 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
20382 \renewcommand{\Centering}{%
20383 \ifx\\ \@raggedtwoe@savedcr
20384 \let\\ \@centercr
20385 \fi
20386 \let\@gnewline\@raggedtwoe@gnewline
20387 \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
20388 \@rightskip\CenteringRightskip
20389 \if@RTL\leftskip\else\rightskip\fi\@rightskip

```



```

20390 \parfillskip\CenteringParfillskip
20391 \parindent\CenteringParindent
20392 \@raggedtwo@spaceskiptrue
20393 \@raggedtwo@everyselectfont
20394 }
20395 \renewcommand{\RaggedLeft}{%
20396 \ifx\\ \@raggedtwo@savedcr
20397 \let\\ @centercr
20398 \fi
20399 \let@gnewline@raggedtwo@gnewline
20400 \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
20401 \@rightskip\RaggedLeftRightskip
20402 \if@RTL\leftskip\else\rightright\fi@rightskip
20403 \parfillskip\RaggedLeftParfillskip
20404 \parindent\RaggedLeftParindent
20405 \@raggedtwo@spaceskiptrue
20406 \@raggedtwo@everyselectfont
20407 }
20408 \renewcommand{\RaggedRight}{%
20409 \ifx\\ \@raggedtwo@savedcr
20410 \let\\ @centercr
20411 \fi
20412 \let@gnewline@raggedtwo@gnewline
20413 \if@RTL\rightright\else\leftskip\fi\RaggedRightLeftskip
20414 \@rightskip\RaggedRightRightskip
20415 \if@RTL\leftskip\else\rightright\fi@rightskip
20416 \parfillskip\RaggedRightParfillskip
20417 \parindent\RaggedRightParindent
20418 \@raggedtwo@spaceskiptrue
20419 \@raggedtwo@everyselectfont
20420 }
20421 \renewcommand{\justifying}{%
20422 \let\\ \@raggedtwo@savedcr
20423 \let@gnewline@raggedtwo@saved@gnewline
20424 \if@RTL\rightright\else\leftskip\fi\z@
20425 \@rightskip\z@
20426 \if@RTL\leftskip\else\rightright\fi@rightskip
20427 \parfillskip\JustifyingParfillskip
20428 \parindent\JustifyingParindent
20429 \@raggedtwo@spaceskipfalse
20430 \@raggedtwo@everyselectfont
20431 }
20432 \def\@raggedtwo@raggedrightboxes@opt{%
20433 \renewcommand{\arrayparboxrestore}{%
20434 \let@if@nobreak\iffalse
20435 \let@if@noskipsec\iffalse
20436 \let\par\@par
20437 \let\-\@dischyph
20438 \let'\@accii\let`\@accii\let\=\@acciii
20439 \parskip\z@skip
20440 \everypar{}%
20441 \linewidth\hsize
20442 \@totalleftmargin\z@
20443 \if@RTL

```



```

20444     \RaggedLeft
20445     \else
20446     \RaggedRight
20447     \fi
20448     \lineskip\normallineskip
20449     \baselineskip\normalbaselineskip
20450     \sloppy}%
20451 \let\@raggedtwoe@raggedrightboxes@opt\relax
20452 }
20453 \def\@raggedtwoe@document@opt{%
20454 \AtBeginDocument{\@raggedtwoe@abdhook}%
20455 \@raggedtwoe@raggedrightboxes@opt
20456 \@raggedtwoe@footmisctrue
20457 \let\@raggedtwoe@document@opt\relax
20458 }
20459 \def\@raggedtwoe@abdhook{%
20460 \PackageInfo{ragged2e}{ABD: executing `string\RaggedLeft' for
20461 right to left documents and `string\RaggedRight' for left
20462 to right documents}%
20463 \if@RTL
20464 \RaggedLeft
20465 \else
20466 \RaggedRight
20467 \fi
20468 \ifundefined{tocrmarg}{\edef\tocrmarg{\tocrmarg plus 2em}}%
20469 \let\@raggedtwoe@abdhook\relax
20470 }
20471 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
20472 \@raggedtwoe@raggedrightboxes@opt
20473 }{}
20474 \@ifpackagewith{ragged2e}{document}{%
20475 \@raggedtwoe@document@opt
20476 }{}
20477 \let\origin@RaggedLeft=\RaggedLeft
20478 \let\origin@RaggedRight=\RaggedRight
20479 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
20480 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 136 File rapport1-xetex-bidi.def

```

20481 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
20482 \renewenvironment{theindex}{%
20483 \if@twocolumn
20484 \@restonecolfalse
20485 \else
20486 \@restonecoltrue
20487 \fi
20488 \columnseprule \z@
20489 \columnsep 35\p@
20490 \twocolumn[\@makeschapterhead{\indexname}]%
20491 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20492 \thispagestyle{plain}\parindent\z@
20493 \parskip\z@ \@plus .3\p@\relax
20494 \let\item\@idxitem

```





```

20495 }{%
20496 \if@restonecol\onecolumn\else\clearpage\fi}
20497 \renewcommand*\head@style{%
20498 \interlinepenalty \@M
20499 \hyphenpenalty=\@M \exhyphenpenalty=\@M
20500 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
20501 \if@titlepage
20502 \renewenvironment{abstract}{%
20503 \titlepage
20504 \null\vfil
20505 \section*{\SectFont\abstractname}%
20506 \noindent\ignorespaces}
20507 {\par\vfil\null\endtitlepage}
20508 \else
20509 \renewenvironment{abstract}{%
20510 \if@twocolumn
20511 \section*{\abstractname}%
20512 \else
20513 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
20514 \section*{\small\SectFont\abstractname}%
20515 \noindent\ignorespaces
20516 \fi}
20517 {\if@twocolumn\else\par\egroup\fi}
20518 \fi
20519 \renewcommand*\@regtocline[3]{%
20520 \ifnum #1>\c@tocdepth
20521 \else
20522 \vskip\z@\@plus.2\p@
20523 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
20524 \if@RTL\rightskip\else\leftskip\fi\unitindent
20525 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
20526 \parfillskip\z@
20527 \@tempdima\unitindent
20528 \parindent\z@
20529 \leavevmode
20530 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
20531 \hskip 1em \nobreak{\slshape #3}\par
20532 }%
20533 \fi}
20534 \if@oldtoc
20535 \renewcommand*\l@part[2]{%
20536 \ifnum \c@tocdepth >-2\relax
20537 \addpenalty{-\@highpenalty}%
20538 \addvspace{2.25em \@plus\p@}%
20539 \begingroup
20540 \setlength\@tempdima{3em}%
20541 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20542 \parfillskip -\@pnumwidth
20543 {\leavevmode
20544 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
20545 \nobreak
20546 \global\@nobreaktrue
20547 \everypar{\global\@nobreakfalse\everypar{}}%
20548 \endgroup

```



```

20549 \fi}
20550 \else
20551 \renewcommand*\l@part{%
20552 \ifnum \c@tocdepth >-2\relax
20553 \addpenalty{-\@highpenalty}%
20554 \addvspace{2.25em \@plus \p@}%
20555 \@regtocline{0}%
20556 \fi}
20557 \fi
20558 \if@oldtoc
20559 \renewcommand*\l@chapter[2]{%
20560 \addpenalty{-\@highpenalty}%
20561 \vskip 1.0em \@plus\p@
20562 \setlength\@tempdima{1.5em}%
20563 \begingroup
20564 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20565 \parfillskip -\@pnumwidth
20566 \leavevmode \bfseries
20567 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
20568 \hskip -\if@RTL\rightskip\else\leftskip\fi
20569 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
20570 \penalty\@highpenalty
20571 \endgroup}
20572 \else
20573 \renewcommand*\l@chapter{\@regtocline{0}}
20574 \fi
20575 \renewcommand*\left@footnoterule{%
20576 \kern-3\p@
20577 \kern.5\baselineskip
20578 \hrule\@width\unitindent
20579 \kern.4\baselineskip
20580 }
20581 \renewcommand*\right@footnoterule{%
20582 \kern-3\p@
20583 \kern.5\baselineskip
20584 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
20585 \kern.4\baselineskip}
20586 \renewenvironment{thebibliography}[1]
20587 {\chapter*\bibname}%
20588 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
20589 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20590 \bidi@thebibliography@font@hook%
20591 \list{\biblabel{\@arabic\c@enumiv}}%
20592 {\settowidth\labelwidth{\biblabel{#1}}%
20593 \leftmargin\labelwidth
20594 \advance\leftmargin\labelsep
20595 \@openbib@code
20596 \usecounter{enumiv}%
20597 \let\p@enumiv\@empty
20598 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
20599 \sloppy\clubpenalty4000\widowpenalty4000%
20600 \sfcode`. \@m}
20601 {\def\@noitemerr
20602 {\@latex@warning{Empty `thebibliography' environment}}%

```



```

20603     \endlist}
20604 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
20605 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20606 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
20607 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20608 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
20609 \renewcommand*\theequation{%
20610   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
20611 \renewcommand*\thefigure{%
20612   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
20613 \renewcommand*\thetable{%
20614   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
20615 \if@titlepage
20616 \renewcommand*\TitleFont{\rmfamily}
20617 \renewcommand*\maketitle{%
20618   \begin{titlepage}%
20619     \let\footnotesize\small
20620     \let\right@footnoterule\relax
20621     \let\left@footnoterule\relax
20622     \let\textwidth@footnoterule\relax
20623     \let \footnote \thanks
20624     \long\def\@makefnmark##1{\parindent\z@
20625       \def\labelitemi{\textendash}\@revlabeltrue
20626       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20627     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20628     \if@compatibility\setcounter{page}{0}\fi
20629     \null\vfil
20630     \vskip 60\p@
20631     \begin{center}%
20632       \TitleFont
20633       {\LARGE \def\\{\penalty -\@M}
20634         \if@allcaps
20635           \expandafter\c@nothanks\@title\thanks\relax
20636         \else
20637           \@title
20638           \fi\par}%
20639       \vskip 3em%
20640       {\large
20641         \lineskip .75em \parindent\z@
20642         \begin{tabular}[t]{c}%
20643           \if@allcaps
20644             \expandafter\c@authornothanks\@author\and\relax
20645           \else
20646             \@author
20647           \fi
20648         \end{tabular}\par}%
20649       \vskip 1.5em%
20650       {\large
20651         \if@allcaps
20652           \uppercase\expandafter{\@date}%
20653         \else
20654           \@date
20655         \fi\par}%
20656       \end{center}\par

```



```

20657 \@thanks
20658 \vfil\null
20659 \end{titlepage}%
20660 \setcounter{footnote}{0}%
20661 \global\let\thanks\relax
20662 \global\let\maketitle\relax
20663 \global\let\@thanks\@empty
20664 \global\let\@author\@empty
20665 \global\let\@title\@empty
20666 \global\let\@date\@empty
20667 \global\let\title\relax
20668 \global\let\author\relax
20669 \global\let\date\relax
20670 \global\let\and\relax
20671 }
20672 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20673 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20674 \futurelet\@tempa\uc@ax}
20675 \def\uc@ax{%
20676 \ifx\@tempa\relax
20677 \else
20678 \ \andname \ \expandafter\uc@authornothanks
20679 \fi}
20680 \def\uc@tx{\ifx\@tempa\relax
20681 \else \expandafter\uc@ty \fi}
20682 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20683 \else
20684 \renewcommand*\maketitle{\par
20685 \begingroup
20686 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20687 \def\@makefnmark{\rlap{%
20688 \@textsuperscript{\normalfont\@thefnmark}}}%
20689 \long\def\@makefntext{\@xmakefntext{%
20690 \@textsuperscript{\normalfont\@thefnmark}}}%
20691 \if@twocolumn
20692 \ifnum \col@number=\@ne
20693 \@maketitle
20694 \else
20695 \twocolumn[\@maketitle]%
20696 \fi
20697 \else
20698 \newpage
20699 \global\@topnum\z@
20700 \@maketitle
20701 \fi
20702 \thispagestyle{plain}\@thanks
20703 \endgroup
20704 \setcounter{footnote}{0}%
20705 \global\let\thanks\relax
20706 \global\let\maketitle\relax
20707 \global\let\@maketitle\relax
20708 \global\let\@thanks\@empty
20709 \global\let\@author\@empty
20710 \global\let\@title\@empty

```



```

20711 \global\let\@date\@empty
20712 \global\let\title\relax
20713 \global\let\author\relax
20714 \global\let\date\relax
20715 \global\let\and\relax
20716 }
20717 \def\@maketitle{%
20718 \newpage
20719 \null
20720 \vskip 2em%
20721 \begin{center}%
20722 \let \footnote \thanks
20723 {\LARGE \TitleFont \@title \par}%
20724 \vskip 1.5em%
20725 {\large \TitleFont
20726 \lineskip .5em%
20727 \begin{tabular}[t]{c}%
20728 \@author
20729 \end{tabular}\par}%
20730 \vskip 1em%
20731 {\large \TitleFont \@date}%
20732 \end{center}%
20733 \par
20734 \vskip 1.5em}
20735 \fi

```

### 137 File rapport3-xetex-bidi.def

```

20736 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
20737 \renewenvironment{theindex}{%
20738 \if@twocolumn
20739 \@restonecolfalse
20740 \else
20741 \@restonecoltrue
20742 \fi
20743 \columnseprule \z@
20744 \columnsep 35\p@
20745 \twocolumn[\@makeschapterhead{\indexname}]%
20746 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20747 \thispagestyle{plain}\parindent\z@
20748 \parskip\z@ \@plus .3\p@\relax
20749 \let\item\@idxitem
20750 }{%
20751 \if@restonecol\onecolumn\else\clearpage\fi}
20752 \if@titlepage
20753 \renewcommand*\TitleFont{\rmfamily}
20754 \renewcommand*\maketitle{%
20755 \begin{titlepage}%
20756 \let\footnotesize\small
20757 \let\right@footnoterule\relax
20758 \let\left@footnoterule\relax
20759 \let\textwidth@footnoterule\relax
20760 \let \footnote \thanks
20761 \let \LTRfootnote \LTRthanks

```



```

20762 \let \RTLfootnote \RTLthanks
20763 \long\def\@makefntext##1{\parindent\z@
20764 \def\labelitemi{\textendash}\@revelabeltrue
20765 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20766 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20767 \if@compatibility\setcounter{page}{0}\fi
20768 \null\vfil
20769 \vskip 60\p@
20770 \begin{center}%
20771 \TitleFont
20772 {\LARGE \def\{\penalty -\@M}
20773 \if@allcaps
20774 \expandafter\uc@nothanks\@title\thanks\relax
20775 \else
20776 \@title
20777 \fi\par}%
20778 \vskip 3em%
20779 {\large
20780 \lineskip .75em \parindent\z@
20781 \begin{tabular}[t]{c}%
20782 \if@allcaps
20783 \expandafter\uc@authornothanks\@author\and\relax
20784 \else
20785 \@author
20786 \fi
20787 \end{tabular}\par}%
20788 \vskip 1.5em%
20789 {\large
20790 \if@allcaps
20791 \uppercase\expandafter{\@date}%
20792 \else
20793 \@date
20794 \fi\par}%
20795 \end{center}\par
20796 \@thanks
20797 \vfil\null
20798 \end{titlepage}%
20799 \setcounter{footnote}{0}%
20800 \global\let\thanks\relax
20801 \global\let\LTRthanks\relax
20802 \global\let\RTLthanks\relax
20803 \global\let\maketitle\relax
20804 \global\let\@thanks\@empty
20805 \global\let\@author\@empty
20806 \global\let\@title\@empty
20807 \global\let\@date\@empty
20808 \global\let\title\relax
20809 \global\let\author\relax
20810 \global\let\date\relax
20811 \global\let\and\relax
20812 }
20813 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20814 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20815 \futurelet\@tempa\uc@ax}

```



```

20816 \def\uc@ax{%
20817   \ifx\@tempa\relax
20818   \else
20819     \\\andname \\\ \expandafter\uc@authornothanks
20820   \fi}
20821 \def\uc@tx{\ifx\@tempa\relax
20822   \else \expandafter\uc@ty \fi}
20823 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20824 \else
20825 \renewcommand*\maketitle{\par
20826   \begin{group}
20827     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20828     \def\@makefnmark{\rlap{%
20829       \@textsuperscript{\normalfont\@thefnmark}}}%
20830     \long\def\@makefntext{\@xmakefntext{%
20831       \@textsuperscript{\normalfont\@thefnmark}}}%
20832     \if@twocolumn
20833       \ifnum \col@number=\@ne
20834         \@maketitle
20835       \else
20836         \twocolumn[\@maketitle]%
20837       \fi
20838     \else
20839       \newpage
20840       \global\@topnum\z@
20841       \@maketitle
20842     \fi
20843     \thispagestyle{plain}\@thanks
20844   \end{group}
20845   \setcounter{footnote}{0}%
20846   \global\let\thanks\relax
20847   \global\let\LTRthanks\relax
20848   \global\let\RTLthanks\relax
20849   \global\let\maketitle\relax
20850   \global\let\@maketitle\relax
20851   \global\let\@thanks\@empty
20852   \global\let\@author\@empty
20853   \global\let\@title\@empty
20854   \global\let\@date\@empty
20855   \global\let\title\relax
20856   \global\let\author\relax
20857   \global\let\date\relax
20858   \global\let\and\relax
20859 }
20860 \def\@maketitle{%
20861   \newpage
20862   \null
20863   \vskip 2em%
20864   \if@titlecentered
20865     \begin{center}%
20866       \let \footnote \thanks
20867       \let \LTRfootnote \LTRthanks
20868       \let \RTLfootnote \RTLthanks
20869       {\LARGE \TitleFont \@title \par}%

```



```

20870 \vskip 1.5em%
20871 {\large \TitleFont
20872 \lineskip .5em%
20873 \begin{tabular}[t]{c}%
20874 \author
20875 \end{tabular}\par}%
20876 \vskip 1em%
20877 {\large \TitleFont \@date}%
20878 \end{center}%
20879 \else
20880 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
20881 {\large \TitleFont \lineskip .5em \tabcolsep\z@
20882 \def\and{%% \begin{tabular} has already started
20883 \end{tabular}\hskip 1em plus .17fil
20884 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabu
20885 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\author\end{tabular}\
20886 \vskip 1em {\large \TitleFont \@date}
20887 \fi
20888 \par
20889 \vskip 1.5em}
20890 \fi
20891 \renewcommand*\@regtocline[3]{%
20892 \ifnum #1>\c@tocdepth
20893 \else
20894 \vskip\z@\@plus.2\p@
20895 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
20896 \if@RTL\righskip\else\leftskip\fi\unitindent
20897 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
20898 \parfillskip\z@
20899 \@tempdima\unitindent
20900 \parindent\z@
20901 \leavevmode
20902 \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
20903 \hskip 1em \nobreak{\slshape #3}\par
20904 }%
20905 \fi}
20906 \if@oldtoc
20907 \renewcommand*\l@part[2]{%
20908 \ifnum \c@tocdepth >-2\relax
20909 \addpenalty{-\@highpenalty}%
20910 \addvspace{2.25em \@plus\p@}%
20911 \begingroup
20912 \setlength\@tempdima{3em}%
20913 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
20914 \parfillskip -\@pnumwidth
20915 {\leavevmode
20916 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
20917 \nobreak
20918 \global\@nobreaktrue
20919 \everypar{\global\@nobreakfalse\everypar{}}%
20920 \endgroup
20921 \fi}
20922 \else
20923 \renewcommand*\l@part{%

```





```

20924 \ifnum \c@tocdepth >-2\relax
20925 \addpenalty{-\@highpenalty}%
20926 \advspace{2.25em \@plus \p@}%
20927 \@regtocoline{0}%
20928 \fi}
20929 \fi
20930 \if@oldtoc
20931 \renewcommand*\l@chapter[2]{%
20932 \addpenalty{-\@highpenalty}%
20933 \vskip 1.0em \@plus\p@
20934 \setlength\@tempdima{1.5em}%
20935 \begingroup
20936 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20937 \parfillskip -\@pnumwidth
20938 \leavevmode \bfseries
20939 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
20940 \hskip -\if@RTL\rightskip\else\leftskip\fi
20941 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
20942 \penalty\@highpenalty
20943 \endgroup}
20944 \else
20945 \renewcommand*\l@chapter{\@regtocoline{0}}
20946 \fi
20947 \renewcommand*\head@style{%
20948 \interlinepenalty \@M
20949 \hyphenpenalty=\@M \exhyphenpenalty=\@M
20950 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
20951 \if@titlepage
20952 \renewenvironment{abstract}{%
20953 \titlepage
20954 \null\vfil
20955 \section*{\SectFont\abstractname}%
20956 \noindent\ignorespaces}
20957 {\par\vfil\null\endtitlepage}
20958 \else
20959 \renewenvironment{abstract}{%
20960 \if@twocolumn
20961 \section*{\abstractname}%
20962 \else
20963 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
20964 \section*{\small\SectFont\abstractname}%
20965 \noindent\ignorespaces
20966 \fi}
20967 {\if@twocolumn\else\par\egroup\fi}
20968 \fi
20969 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
20970 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
20971 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
20972 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
20973 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
20974 \renewcommand*\thefigure{%
20975 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\cfigure}
20976 \renewcommand*\thetable{%
20977 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```



```

20978 \renewcommand*\theequation{%
20979   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
20980 \renewenvironment{thebibliography}[1]
20981   {\chapter*{\bibname}%
20982    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
20983    \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
20984    \bidi@thebibliography@font@hook%
20985    \list{\@biblabel{\@arabic\c@enumiv}}%
20986      {\settowidth\labelwidth{\@biblabel{#1}}%
20987       \leftmargin\labelwidth
20988       \advance\leftmargin\labelsep
20989       \openbib@code
20990       \usecounter{enumiv}%
20991       \let\p@enumiv\@empty
20992       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
20993     \sloppy\clubpenalty4000\widowpenalty4000%
20994     \sfcode\.\@m}
20995   {\def\@noitemerr
20996     {\@latex@warning{Empty `thebibliography' environment}}}%
20997   \endlist}
20998 \renewcommand*\left@footnoterule{%
20999   \kern-3\p@
21000   \kern.5\baselineskip
21001   \hrule\@width\unitindent
21002   \kern.4\baselineskip
21003 }
21004 \renewcommand*\right@footnoterule{%
21005   \kern-3\p@
21006   \kern.5\baselineskip
21007   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
21008   \kern.4\baselineskip}
21009 \renewcommand*\head@style{%
21010   \interlinepenalty \@M
21011   \hyphenpenalty=\@M \exhyphenpenalty=\@M
21012   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

## 138 File refrep-xetex-bidi.def

```

21013 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
21014 \if@titlepage
21015   \renewcommand\maketitle{\begin{titlepage}%
21016     \let\footnotesize\small
21017     \let\right@footnoterule\relax
21018     \let\left@footnoterule\relax
21019     \let\textwidth@footnoterule\relax
21020     \let\footnote\thanks
21021     \let\LTRfootnote\LTRthanks
21022     \let\RTLfootnote\RTLthanks
21023     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21024     \def\@makefnmark%
21025       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21026     \long\def\@makefntext##1{%
21027       \@setpar{\@par
21028         \@tempdima = \hsize

```



```

21029         \advance\@tempdima -1em
21030         \parshape \@ne 1em \@tempdima}%
21031     \par\parindent 1em \noindent
21032     \hb@xt@\z@\{ \hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21033 \null\vfil
21034 \vskip 60\p@
21035 \begin{center}%
21036     {\LARGE \@title \par}%
21037     \vskip 3em%
21038     {\large
21039     \lineskip .75em%
21040     \begin{tabular}[t]{c}%
21041         \@author
21042     \end{tabular}\par}%
21043     \vskip 1.5em%
21044     {\large \@date \par}%           % Set date in \large size.
21045 \end{center}\par
21046 \@thanks
21047 \vfil\null
21048 \end{titlepage}%
21049 \setcounter{footnote}{0}%
21050 \global\let\thanks\relax
21051 \global\let\LTRthanks\relax
21052 \global\let\RTLthanks\relax
21053 \global\let\maketitle\relax
21054 \global\let\@thanks\@empty
21055 \global\let\@author\@empty
21056 \global\let\@date\@empty
21057 \global\let\@title\@empty
21058 \global\let\title\relax
21059 \global\let\author\relax
21060 \global\let\date\relax
21061 \global\let\and\relax
21062 }
21063 \else
21064 \renewcommand\maketitle{\par
21065     \begingroup
21066     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21067     \def\@makefnmark%
21068         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21069     \long\def\@makefnmark##1{%
21070         \@setpar{\@par
21071             \@tempdima = \hsize
21072             \advance\@tempdima -1em
21073             \parshape \@ne 1em \@tempdima}%
21074         \par\parindent 1em \noindent
21075         \hb@xt@\z@\{ \hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21076     \if@twocolumn
21077         \ifnum \col@number=\@ne
21078             \@maketitle
21079         \else
21080             \twocolumn[\@maketitle]%
21081         \fi
21082     \else

```



```

21083     \newpage
21084     \global\@topnum\z@    % Prevents figures from going at top of page.
21085     \@maketitle
21086     \fi
21087     \thispagestyle{empty}\@thanks
21088     \endgroup
21089     \setcounter{footnote}{0}%
21090     \global\let\thanks\relax
21091     \global\let\LTRthanks\relax
21092     \global\let\RTLthanks\relax
21093     \global\let\maketitle\relax
21094     \global\let\@maketitle\relax
21095     \global\let\@thanks\@empty
21096     \global\let\@author\@empty
21097     \global\let\@date\@empty
21098     \global\let\@title\@empty
21099     \global\let\title\relax
21100     \global\let\author\relax
21101     \global\let\date\relax
21102     \global\let\and\relax
21103 }
21104 \def\@maketitle{%
21105     \newpage
21106     \null
21107     \longthickrule\vskip1.5em%
21108     \let \footnote \thanks
21109     \let \LTRfootnote \LTRthanks
21110     \let \RTLfootnote \RTLthanks
21111     {\secshape \parskip\z@ \parindent\z@
21112     \Large\bfseries \@title \par}%
21113     \vskip1.5em\longthickrule\vskip1.5em%
21114     {\normalsize
21115     \lineskip .5em%
21116     \begin{flushright}%
21117         {\slshape\@author\par}
21118         \vskip 1em%
21119         {\@date}%
21120     \end{flushright}\par}%
21121     \vskip 1.5em}
21122 \fi
21123 \renewcommand*\l@part[2]{%
21124     \ifnum \c@tocdepth >-2\relax
21125         \addpenalty{-\@highpenalty}%
21126         \addvspace{2.25em \@plus\p@}%
21127         \begingroup
21128             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21129             \parfillskip -\@pnumwidth
21130             {\leavevmode
21131             \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
21132             \nobreak
21133             \global\@nobreaktrue
21134             \everypar{\global\@nobreakfalse\everypar{}}%
21135         \endgroup
21136     \fi}

```



```

21137 \renewcommand*\l@chapter[2]{%
21138   \ifnum \c@tocdepth >\m@ne
21139     \addpenalty{-\@highpenalty}%
21140     \vskip 1.0em \@plus\p@
21141     \setlength\@tempdima{1.5em}%
21142     \begingroup
21143     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21144     \parfillskip -\@pnumwidth
21145     \leavevmode \bfseries
21146     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21147     \hskip -\if@RTL\rightskip\else\leftskip\fi
21148     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21149     \penalty\@highpenalty
21150   \endgroup
21151 \fi}
21152 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
21153   \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
21154   \hyphenpenalty=2000}
21155 \renewcommand\left@footnoterule{%
21156   \kern-3\p@
21157   \hrule\@width.4\columnwidth
21158   \kern 2.6\p@}
21159 \renewcommand\right@footnoterule{%
21160   \kern-3\p@
21161   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21162   \kern2.6\p@}
21163 \renewcommand\theequation
21164 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21165 \renewcommand\thefigure
21166   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21167 \renewcommand\thetable%
21168   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21169 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
21170 \renewcommand\thesubsection {\thesubsection \@SepMark\@arabic\c@subsection}
21171 \renewcommand\thesubsubsection {\thesubsubsection \@SepMark\@arabic\c@subsubsection}
21172 \renewcommand\theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
21173 \renewcommand\thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
21174 \renewenvironment{thebibliography}[1]
21175   {\chapter*\bibname
21176     \mkboth{\bibname}{\bibname}}%
21177   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21178   \bidi@thebibliography@font@hook%
21179   \list{\@biblabel{\@arabic\c@enumiv}}%
21180     {\settowidth\labelwidth{\@biblabel{#1}}%
21181     \leftmargin\labelwidth
21182     \advance\leftmargin\labelsep
21183     \@openbib@code
21184     \usecounter{enumiv}}%
21185     \let\p@enumiv\@empty
21186     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21187     \sloppy
21188     \clubpenalty4000
21189     \@clubpenalty \clubpenalty
21190     \widowpenalty4000%

```



```

21191     \sfcode`\.=\@m}
21192     {\def\@noitemerr
21193       {\@latex@warning{Empty `thebibliography' environment}}}%
21194     \endlist}

```

## 139 File report-xetex-bidi.def

```

21195 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
21196 \renewenvironment{theindex}
21197     {\if@twocolumn
21198       \@restonecolfalse
21199       \else
21200         \@restonecoltrue
21201         \fi
21202       \columnseprule \z@
21203       \columnsep 35\p@
21204       \twocolumn[\@makeschapterhead{\indexname}]%
21205       \@mkboth{\MakeUppercase\indexname}%
21206               {\MakeUppercase\indexname}%
21207       \thispagestyle{plain}\parindent\z@
21208       \parskip\z@ \@plus .3\p@\relax
21209       \let\item\@idxitem}
21210     {\if@restonecol\onecolumn\else\clearpage\fi}
21211 \if@titlepage
21212 \renewcommand\maketitle{\begin{titlepage}%
21213 \let\footnotesize\small
21214 \let\right@footnoterule\relax
21215 \let\left@footnoterule\relax
21216 \let\textwidth@footnoterule\relax
21217 \let \footnote \thanks
21218 \let \LTRfootnote \LTRthanks
21219 \let \RTLfootnote \RTLthanks
21220 \null\vfil
21221 \vskip 60\p@
21222 \begin{center}%
21223   {\LARGE \@title \par}%
21224   \vskip 3em%
21225   {\large
21226     \lineskip .75em%
21227     \begin{tabular}[t]{c}%
21228       \@author
21229     \end{tabular}\par}%
21230     \vskip 1.5em%
21231     {\large \@date \par}%           % Set date in \large size.
21232 \end{center}\par
21233 \@thanks
21234 \vfil\null
21235 \end{titlepage}%
21236 \setcounter{footnote}{0}%
21237 \global\let\thanks\relax
21238 \global\let\LTRthanks\relax
21239 \global\let\RTLthanks\relax
21240 \global\let\maketitle\relax
21241 \global\let\@thanks\@empty

```



```

21242 \global\let\@author\@empty
21243 \global\let\@date\@empty
21244 \global\let\@title\@empty
21245 \global\let\title\relax
21246 \global\let\author\relax
21247 \global\let\date\relax
21248 \global\let\and\relax
21249 }
21250 \else
21251 \renewcommand\maketitle{\par
21252 \begingroup
21253 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21254 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21255 \long\def\@makefntext##1{\parindent 1em\noindent
21256 \hb@xt@1.8em{%
21257 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
21258 \if@twocolumn
21259 \ifnum \col@number=\@ne
21260 \@maketitle
21261 \else
21262 \twocolumn[\@maketitle]%
21263 \fi
21264 \else
21265 \newpage
21266 \global\@topnum\z@ % Prevents figures from going at top of page.
21267 \@maketitle
21268 \fi
21269 \thispagestyle{plain}\@thanks
21270 \endgroup
21271 \setcounter{footnote}{0}%
21272 \global\let\thanks\relax
21273 \global\let\LTRthanks\relax
21274 \global\let\RTLthanks\relax
21275 \global\let\maketitle\relax
21276 \global\let\@maketitle\relax
21277 \global\let\@thanks\@empty
21278 \global\let\@author\@empty
21279 \global\let\@date\@empty
21280 \global\let\@title\@empty
21281 \global\let\title\relax
21282 \global\let\author\relax
21283 \global\let\date\relax
21284 \global\let\and\relax
21285 }
21286 \def\@maketitle{%
21287 \newpage
21288 \null
21289 \vskip 2em%
21290 \begin{center}%
21291 \let \footnote \thanks
21292 \let \LTRfootnote \LTRthanks
21293 \let \RTLfootnote \RTLthanks
21294 {\LARGE \@title \par}%
21295 \vskip 1.5em%

```



```

21296     {\large
21297       \lineskip .5em%
21298       \begin{tabular}[t]{c}%
21299         \@author
21300       \end{tabular}\par}%
21301     \vskip 1em%
21302     {\large \@date}%
21303 \end{center}%
21304 \par
21305 \vskip 1.5em}
21306 \fi
21307 \renewcommand*\l@part[2]{%
21308   \ifnum \c@tocdepth >-2\relax
21309     \addpenalty{-\@highpenalty}%
21310     \addvspace{2.25em \@plus\p@}%
21311     \setlength\@tempdima{3em}%
21312     \begingroup
21313       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21314       \parfillskip -\@pnumwidth
21315       {\leavevmode
21316         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21317       \nobreak
21318       \global\@nobreaktrue
21319       \everypar{\global\@nobreakfalse\everypar{}}%
21320     \endgroup
21321   \fi}
21322 \renewcommand*\l@chapter[2]{%
21323   \ifnum \c@tocdepth >\m@ne
21324     \addpenalty{-\@highpenalty}%
21325     \vskip 1.0em \@plus\p@
21326     \setlength\@tempdima{1.5em}%
21327     \begingroup
21328       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21329       \parfillskip -\@pnumwidth
21330       \leavevmode \bfseries
21331       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21332       \hskip -\if@RTL\rightskip\else\leftskip\fi
21333       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21334       \penalty\@highpenalty
21335     \endgroup
21336   \fi}
21337 \renewcommand\left@footnoterule{%
21338   \kern-3\p@
21339   \hrule\@width.4\columnwidth
21340   \kern2.6\p@}
21341 \renewcommand\right@footnoterule{%
21342   \kern-3\p@
21343   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21344   \kern2.6\p@}
21345 \renewcommand\theequation
21346   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21347 \renewcommand \thefigure
21348   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21349 \renewcommand \thetable

```





```

21350     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21351 \renewcommand \thechapter {\@arabic\c@chapter}
21352 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
21353 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21354 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
21355 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21356 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21357 \def\@makechapterhead#1{%
21358   \vspace*{50\p@}%
21359   {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi \normalfont
21360     \ifnum \c@secnumdepth >\m@ne
21361       \huge\bfseries \@chapapp\space \thechapter
21362       \par\nobreak
21363       \vskip 20\p@
21364     \fi
21365     \interlinepenalty\@M
21366     \Huge \bfseries #1\par\nobreak
21367     \vskip 40\p@
21368   }}
21369 \def\@makeschapterhead#1{%
21370   \vspace*{50\p@}%
21371   {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi
21372     \normalfont
21373     \interlinepenalty\@M
21374     \Huge \bfseries #1\par\nobreak
21375     \vskip 40\p@
21376   }}
21377 \renewenvironment{thebibliography}[1]
21378   {\chapter*{\bibname}%
21379    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21380    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
21381    \bidi@thebibliography@font@hook%
21382    \list{\@biblabel{\@arabic\c@enumiv}}%
21383      {\settowidth\labelwidth{\@biblabel{#1}}%
21384       \leftmargin\labelwidth
21385       \advance\leftmargin\labelsep
21386       \@openbib@code
21387       \usecounter{enumiv}%
21388       \let\p@enumiv\@empty
21389       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21390    \sloppy
21391    \clubpenalty4000
21392    \@clubpenalty \clubpenalty
21393    \widowpenalty4000%
21394    \sfcode`.\@m}
21395   {\def\@noitemerr
21396    {\@latex@warning{Empty `thebibliography' environment}}%
21397    \endlist}

```

## 140 File rotating-xetex-bidi.def

```

21398 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
21399 \def\end@rotfloat{%
21400   \end{minipage}\end{lrbox}%

```



```

21401 \stepcounter{r@tfl@t}%
21402 \rot@label{RF\ther@tfl@t}%
21403 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21404 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21405 \rot@mess@toks\expandafter{\@tempa}
21406 \wd\rot@float@box\z@
21407 \ht\rot@float@box\z@
21408 \dp\rot@float@box\z@
21409 \vboxL to \textheight{%
21410 \setkeys{Grot}{units=360}%
21411 \if@rot@twoside
21412 \else
21413 \let\R@@page\rot@LR
21414 \fi
21415 \ifthenelse{\isodd{\R@@page}}{%
21416 \if@rot@twoside
21417 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21418 \fi
21419 \vfill
21420 \@@line{%
21421 \hskip\rotFPtop
21422 \rotatebox{90}{\box\rot@float@box}%
21423 \hskip\rotFPbot
21424 }%
21425 }{%
21426 \if@rot@twoside
21427 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21428 \fi
21429 \@@line{%
21430 \hskip\rotFPbot
21431 \rotatebox{-90}{\box\rot@float@box}%
21432 \hskip\rotFPtop
21433 }%
21434 \vfill
21435 }%
21436 \rot@message{\the\rot@mess@toks}
21437 }%
21438 \end@float
21439 }
21440 \let\endsidewaysfigure\end@rotfloat
21441 \let\endsidewaystable\end@rotfloat
21442 \def\end@rotdblfloat{%
21443 \end{minipage}\end{lrbox}%
21444 \stepcounter{r@tfl@t}%
21445 \rot@label{RF\ther@tfl@t}%
21446 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21447 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21448 \rot@mess@toks\expandafter{\@tempa}
21449 \@tempdima\ht\rot@float@box
21450 \advance\@tempdima by \dp\rot@float@box
21451 \wd\rot@float@box\z@
21452 \ht\rot@float@box\z@
21453 \dp\rot@float@box\z@
21454 \vboxL to \textheight{%

```



```

21455 \setkeys{Grot}{units=360}%
21456 \if@rot@twoside
21457 \else
21458 \let\R@@page\rot@LR
21459 \fi
21460 \ifthenelse{\isodd{\R@@page}}{%
21461 \ifrot@messages
21462 \if@rot@twoside
21463 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
21464 \fi
21465 \fi
21466 \vfill
21467 \@@line{%
21468 \hskip\rotFPtop
21469 \rotatebox{90}{\box\rot@float@box}%
21470 \hskip\rotFPbot
21471 }%
21472 }{%
21473 \ifrot@messages
21474 \if@rot@twoside
21475 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
21476 \fi
21477 \fi%
21478 \@@line{%
21479 \hskip\rotFPbot
21480 \rotatebox{-90}{\box\rot@float@box}%
21481 \hskip\rotFPtop
21482 }%
21483 \vfill
21484 }%
21485 \rot@message{\the\rot@mess@toks}%
21486 }%
21487 \end@dblfloat
21488 }
21489 \def\turn#1{%
21490 \Grot@setangle{#1}%
21491 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21492 \def\endturn{%
21493 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21494 \unskip\color@endbox
21495 \Grot@x\z@
21496 \Grot@y\z@
21497 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21498 }
21499 \def\rotate#1{%
21500 \Grot@setangle{#1}%
21501 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21502 \def\endrotate{%
21503 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21504 \unskip\color@endbox
21505 \Grot@x\z@
21506 \Grot@y\z@
21507 \wd0\z@\dp0\z@\ht0\z@
21508 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi

```



```

21509 }
21510 \def\turnbox#1#2{%
21511   \Grot@setangle{#1}%
21512   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi}
21513   \Grot@x\z@\Grot@y\z@
21514   \wd0\z@\dp0\z@\ht0\z@
21515   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21516 }
21517 \def\sideways{%
21518   \Grot@setangle{90}%
21519   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21520 \def\endsideways{%
21521   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21522   \unskip\color@endbox
21523   \Grot@x\z@
21524   \Grot@y\z@
21525   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21526 }

```

## 141 File `scrartcl-xetex-bidi.def`

```

21527 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
21528 \newcommand{\scr@saved@LTRfootnotetext}{}
21529 \newcommand{\scr@saved@RTLfootnotetext}{}
21530 \let\scr@saved@footnotetext\@footnotetext
21531 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21532 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21533 \renewcommand{\@footnotetext}[1]{%
21534   \scr@saved@footnotetext{#1}%
21535   \csname FN@mfi@prepare\endcsname
21536 }
21537 \renewcommand{\@LTRfootnotetext}[1]{%
21538   \scr@saved@LTRfootnotetext{#1}%
21539   \csname FN@mfi@prepare\endcsname
21540 }
21541 \renewcommand{\@RTLfootnotetext}[1]{%
21542   \scr@saved@RTLfootnotetext{#1}%
21543   \csname FN@mfi@prepare\endcsname
21544 }
21545 \renewcommand\deffootnote[4][1]{%
21546   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
21547     \long\def\@makefntext##1{%
21548       \ExecuteDoHook{footnote/text/begin}%
21549       \raggedfootnote
21550       \if@RTL
21551         \rightskip
21552       \else
21553         \leftskip
21554       \fi
21555       #2
21556       \l@addto@macro\@trivlist{%
21557         \ifnum\@listdepth=\@ne
21558           \if@RTL
21559             \advance\rightmargin #2\relax

```



```

21560         \else
21561             \advance\leftmargin #2\relax
21562         \fi
21563     \fi
21564 }%
21565 \parindent #3\noindent
21566 \IfArgIsEmpty{#1}{-}{%
21567     \hskip \dimexpr #1-#2\relax
21568 }%
21569 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21570 \ExecuteDoHook{footnote/text/end}%
21571 }%
21572 \else
21573 \ClassInfo{\KOMAClassName}{%
21574     Using old \string\@makefnmark\space due to compatibility
21575     level\MessageBreak
21576     less than 3.22}%
21577 \long\def\@makefnmark##1{%
21578     \setlength{\@tempdimc}{#3}%
21579     \def\@tempa{#1}\ifx\@tempa\@empty
21580         \@setpar{\@@par
21581             \@tempdima = \hspace
21582             \addtolength{\@tempdima}{-#2}%
21583             \if@RTL
21584                 \parshape \@ne \z@ \@tempdima
21585             \else
21586                 \parshape \@ne #2 \@tempdima
21587             \fi}%
21588     \else
21589         \addtolength{\@tempdimc}{#2}%
21590         \addtolength{\@tempdimc}{-#1}%
21591         \@setpar{\@@par
21592             \@tempdima = \hspace
21593             \addtolength{\@tempdima}{-#1}%
21594             \@tempdimb = \hspace
21595             \addtolength{\@tempdimb}{-#2}%
21596             \if@RTL
21597                 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
21598             \else
21599                 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
21600             \fi
21601         }%
21602     \fi
21603 \par
21604 \parindent\@tempdimc\noindent
21605 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21606 }%
21607 \fi
21608 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
21609 }
21610 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21611 \renewcommand*\left@footnoterule{%
21612     \normalsize\ftn@rule@test@values
21613     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax

```



```

21614 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21615 {\usekomafont{footnoterule}{%
21616   \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21617 \kern 2.6\p@}
21618 \renewcommand*\right@footnoterule{%
21619   \normalsize\ftn@rule@test@values
21620   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21621   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21622   {\usekomafont{footnoterule}{%
21623     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
21624     \kern 2.6\p@}
21625   \renewcommand*\maketitle[1][1]{%
21626     \expandafter\ifnum \c@name scr@v@3.12\endcsname>\scr@compatibility\relax
21627     \else
21628       \def\and{%
21629         \end{tabular}%
21630         \hskip 1em \@plus.17fil%
21631         \begin{tabular}[t]{c}%
21632         }%
21633     \fi
21634     \if@titlepage
21635       \begin{titlepage}
21636         \setcounter{page}{%
21637           #1%
21638         }%
21639         \if@titlepageiscoverpage
21640           \edef\t@titlepage@restore{%
21641             \noexpand\endgroup
21642             \noexpand\global\noexpand\@colht\the\@colht
21643             \noexpand\global\noexpand\@colroom\the\@colroom
21644             \noexpand\global\vsizethe\vsizethe
21645             \noexpand\global\noexpand\@titlepageiscoverpagefalse
21646             \noexpand\let\noexpand\t@titlepage@restore\noexpand\relax
21647           }%
21648           \begingroup
21649             \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21650             \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21651             \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21652             \textwidth=\dimexpr
21653             \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21654             \textheight=\dimexpr
21655             \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21656             \headheight=0pt
21657             \headsep=0pt
21658             \footskip=\baselineskip
21659             \@colht=\textheight
21660             \@colroom=\textheight
21661             \vsizethe=\textheight
21662             \columnwidth=\textwidth
21663             \hsizethe=\columnwidth
21664             \linewidth=\hsizethe
21665           \else
21666             \let\t@titlepage@restore\relax
21667         \fi

```



```

21668 \let\footnotesize\small
21669 \let\right@footnoterule\relax
21670 \let\left@footnoterule\relax
21671 \let\textwidth@footnoterule\relax
21672 \let\footnote\thanks
21673 \let\LTRfootnote\LTRthanks
21674 \let\RTLfootnote\RTLthanks
21675 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21676 \let\@oldmakefnmark\@makefnmark
21677 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
21678 \ifx\@extratitle\@empty
21679 \ifx\@frontispiece\@empty
21680 \else
21681 \if@twoside\mbox{}\next@tpage\fi
21682 \noindent\@frontispiece\next@tdpage
21683 \fi
21684 \else
21685 \noindent\@extratitle
21686 \ifx\@frontispiece\@empty
21687 \else
21688 \next@tpage
21689 \noindent\@frontispiece
21690 \fi
21691 \next@tdpage
21692 \fi
21693 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
21694 \ifx\@titlehead\@empty \else
21695 \begin{minipage}[t]{\textwidth}%
21696 \usekomafont{titlehead}{\@titlehead\par}%
21697 \end{minipage}\par
21698 \fi
21699 \null\vfill
21700 \begin{center}
21701 \ifx\@subject\@empty \else
21702 {\usekomafont{subject}{\@subject\par}}%
21703 \vskip 3em
21704 \fi
21705 {\usekomafont{title}{\huge \@title\par}}%
21706 \vskip 1em
21707 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21708 \vskip 2em
21709 {%
21710 \usekomafont{author}{%
21711 \lineskip 0.75em
21712 \begin{tabular}[t]{c}
21713 \@author
21714 \end{tabular}\par
21715 }%
21716 }%
21717 \vskip 1.5em
21718 {\usekomafont{date}{\@date \par}}%
21719 \vskip \z@ \@plus3fill
21720 {\usekomafont{publishers}{\@publishers \par}}%
21721 \vskip 3em

```



```

21722 \end{center}\par
21723 \@thanks\global\let\@thanks\@empty
21724 \vfill\null
21725 \if@twoside
21726   \@tempwatrue
21727   \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
21728   \else
21729     \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
21730       \@tempwafalse
21731     \fi\fi
21732   \fi
21733   \if@tempswa
21734     \next@tpage
21735     \begin{minipage}[t]{\textwidth}
21736       \@uppertitleback
21737     \end{minipage}\par
21738     \vfill
21739     \begin{minipage}[b]{\textwidth}
21740       \@lowertitleback
21741     \end{minipage}\par
21742     \@thanks\global\let\@thanks\@empty
21743   \fi
21744 \else
21745   \ifx\@uppertitleback\@empty\else
21746     \ClassWarning{\KOMAClassName}{%
21747       non empty \string\uppertitleback\space ignored
21748       by \string\maketitle\MessageBreak
21749       in `twoside=false' mode%
21750     }%
21751   \fi
21752   \ifx\@lowertitleback\@empty\else
21753     \ClassWarning{\KOMAClassName}{%
21754       non empty \string\lowertitleback\space ignored
21755       by \string\maketitle\MessageBreak
21756       in `twoside=false' mode%
21757     }%
21758   \fi
21759 \fi
21760 \ifx\@dedication\@empty
21761 \else
21762   \next@tdpage\null\vfill
21763   {\centering\usekomafont{dedication}{\@dedication \par}}%
21764   \vskip \z@ \@plus3fill
21765   \@thanks\global\let\@thanks\@empty
21766   \cleardoubleemptypage
21767 \fi
21768 \ifx\titlename@restore\relax\else\clearpage\titlename@restore\fi
21769 \end{titlepage}
21770 \else
21771 \par
21772 \@tempcnta=%
21773 #1%
21774 \relax\ifnum\@tempcnta=1\else
21775 \ClassWarning{\KOMAClassName}{%

```





```

21776     Optional argument of \string\maketitle\space ignored\MessageBreak
21777     in `titlepage=false' mode%
21778   }%
21779 \fi
21780 \ifx\@uppertitleback\@empty\else
21781   \ClassWarning{\KOMAClassName}{%
21782     non empty \string\uppertitleback\space ignored
21783     by \string\maketitle\MessageBreak
21784     in `titlepage=false' mode%
21785   }%
21786 \fi
21787 \ifx\@lowertitleback\@empty\else
21788   \ClassWarning{\KOMAClassName}{%
21789     non empty \string\lowertitleback\space ignored
21790     by \string\maketitle\MessageBreak
21791     in `titlepage=false' mode%
21792   }%
21793 \fi
21794 \begingroup
21795   \let\titlepage@restore\relax
21796   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21797   \let\@oldmakefnmark\@makefnmark
21798   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21799   \next@tdpage
21800   \if@twocolumn
21801     \ifnum \col@number=\@one
21802       \ifx\@extratitle\@empty
21803         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21804       \else
21805         \@makeextratitle
21806       \fi
21807       \ifx\@frontispiece\@empty
21808         \ifx\@extratitle\@empty\else\next@tdpage\fi
21809       \else
21810         \next@tpage
21811         \@makefrontispiece
21812         \next@tdpage
21813       \fi
21814       \@maketitle
21815     \else
21816       \ifx\@extratitle\@empty
21817         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21818       \else
21819         \twocolumn[\@makeextratitle]%
21820       \fi
21821       \ifx\@frontispiece\@empty
21822         \ifx\@extratitle\@empty\else\next@tdpage\fi
21823       \else
21824         \next@tpage
21825         \twocolumn[\@makefrontispiece]%
21826         \next@tdpage
21827       \fi
21828       \twocolumn[\@maketitle]%
21829 \fi

```



```

21830 \else
21831 \ifx\@extratitle\@empty
21832 \ifx\@frontispiece\@empty\else \mbox{}\fi
21833 \else
21834 \@makeextratitle
21835 \fi
21836 \ifx\@frontispiece\@empty
21837 \ifx\@extratitle\@empty\else\next@tdpage\fi
21838 \else
21839 \next@tpage
21840 \@makefrontispiece
21841 \next@tdpage
21842 \fi
21843 \@maketitle
21844 \fi
21845 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
21846 \@thanks\global\let\@thanks\@empty
21847 \endgroup
21848 \fi
21849 \setcounter{footnote}{0}%
21850 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21851 \let\thanks\relax
21852 \let\LTRthanks\relax
21853 \let\RTLthanks\relax
21854 \let\maketitle\relax
21855 \let\@maketitle\relax
21856 \global\let\@thanks\@empty
21857 \global\let\@author\@empty
21858 \global\let\@date\@empty
21859 \global\let\@title\@empty
21860 \global\let\@subtitle\@empty
21861 \global\let\@extratitle\@empty
21862 \global\let\@frontispiece\@empty
21863 \global\let\@titlehead\@empty
21864 \global\let\@subject\@empty
21865 \global\let\@publishers\@empty
21866 \global\let\@uppertitleback\@empty
21867 \global\let\@lowertitleback\@empty
21868 \global\let\@dedication\@empty
21869 \global\let\author\relax
21870 \global\let\title\relax
21871 \global\let\extratitle\relax
21872 \global\let\titlehead\relax
21873 \global\let\subject\relax
21874 \global\let\publishers\relax
21875 \global\let\uppertitleback\relax
21876 \global\let\lowertitleback\relax
21877 \global\let\dedication\relax
21878 \global\let\date\relax
21879 \fi
21880 \global\let\and\relax
21881 }%
21882 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
21883 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}

```



```

21884 \renewcommand*\autodot{\if@altsecnumformat@SepMark\fi}
21885 \renewcommand*\thesubsection{\thesection@SepMark@arabic@c@subsection}
21886 \renewcommand*\thesubsubsection{%
21887   \thesubsection@SepMark@arabic@c@subsubsection
21888 }
21889 \renewcommand*\theparagraph{\thesubsubsection@SepMark@arabic@c@paragraph}
21890 \renewcommand*\thesubparagraph{%
21891   \theparagraph@SepMark@arabic@c@subparagraph
21892 }
21893 \renewenvironment{thebibliography}[1]{%
21894   \if@bib@break@
21895     \bib@beginhook
21896   \else
21897     \bib@heading
21898     \ifx\bibpreamble\relax\else\ifx\bibpreamble\empty\else
21899       \noindent\bibpreamble\par\nobreak
21900     \fi\fi
21901     \bib@beginhook
21902     \bib@before@hook
21903   \fi
21904   \renewcommand{\BreakBibliography}[1]{%
21905     \@bib@break
21906     \end{thebibliography}%
21907     \begingroup ##1\endgroup
21908     \begin{thebibliography}{#1}
21909   }%
21910   \ifRTL\if@LTRbibitems@RTLfalse\else\fi\else\if@LTRbibitems@RTLtrue\else\fi\fi
21911   \bidi@thebibliography@font@hook%
21912   \list{%
21913     \@biblabel{\@arabic@c@enumiv}%
21914   }{%
21915     \settowidth\labelwidth{\@biblabel{#1}}%
21916     \leftmargin\labelwidth
21917     \advance\leftmargin\labelsep
21918     \@openbib@code
21919     \if@bib@break@
21920       \edef@tempa{%
21921         \noexpand\usecounter{enumiv}%
21922         \noexpand\setcounter{enumiv}{\the@c@enumiv}%
21923       }@tempa
21924       \no@bib@break
21925     \else
21926       \usecounter{enumiv}%
21927     \fi
21928     \let\p@enumiv\empty
21929     \renewcommand*\theenumiv{\@arabic@c@enumiv}%
21930   }%
21931   \sloppy\clubpenalty4000 \widowpenalty4000
21932   \sfcode`\.=\@m
21933 }{%
21934   \if@bib@break@
21935     \def\@noitemerr{%
21936       \latex@warning{%
21937         \string\BreakBibliography\space at begin of `thebibliography'

```



```

21938     environment\MessageBreak
21939     or following \string\BreakBibliography}%
21940 }%
21941 \else
21942   \def\@noitemerr{%
21943     \@latex@warning{%
21944       Empty `thebibliography' environment or
21945       \string\BreakBibliography\MessageBreak
21946       before end of `thebibliography' environment}%
21947   }%
21948 \fi
21949 \endlist
21950 \if@bib@break@
21951 \else
21952   \bib@after@hook
21953   \let\bib@before@hook\@empty
21954   \let\bib@after@hook\@empty
21955 \fi
21956 \bib@endhook
21957 }
21958 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
21959 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
21960 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
21961 \renewcommand\marginline[1]{%
21962   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
21963 }
21964 \renewcommand{\@makecaption}[3]{%
21965   \cap@margin
21966   \begingroup
21967     \ifonelinecaptions
21968     \def\stepcounter##1{\advance\value{##1}\@one}%
21969     \let\refstepcounter\stepcounter
21970     \let\label\@gobble
21971     \let\@footnotetext=\@gobble
21972     \let\@LTRfootnotetext=\@gobble
21973     \let\@RTLfootnotetext=\@gobble
21974     \let\hypertarget\@gobbletwo
21975     \edef\@xnewline{%
21976       \unexpanded{\ClassInfo{\KOMACClassName}}{%
21977         Workaround for not recommended usage of \string\ or\MessageBreak
21978         \string\newline in caption text
21979       }%
21980       \hspace*{\linewidth}\hspace{1sp}%
21981     }%
21982     \unexpanded\expandafter{\@xnewline}%
21983   }%
21984   \edef\@xcentercr{%
21985     \unexpanded{\ClassInfo{\KOMACClassName}}{%
21986       Workaround for not recommended usage of \string\ or\MessageBreak
21987       \string\newline in caption text
21988     }%
21989     \hspace*{\linewidth}\hspace{1sp}%
21990   }%
21991   \unexpanded\expandafter{\@xcentercr}%

```



```

21992     }%
21993     \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
21994     \ifdim\@tempdima>\cap@width
21995         \aftergroup\scr@makemultilinecaption
21996     \else
21997         \aftergroup\scr@makesinglelinecaption
21998     \fi
21999     \else
22000         \aftergroup\scr@makemultilinecaption
22001     \fi
22002 \endgroup
22003 {#1}{#2}{#3}%
22004 }
22005 \renewcommand{\scr@makesinglelinecaption}[3]{%
22006     {%
22007         \usefontofkomafont{caption}{%
22008             \hb@xt@\hsize{%
22009                 \cap@left
22010                 \if@RTL
22011                     \beginR
22012                         \fi
22013                 \scr@makesinglelinecaption{#1}{#2}{#3}%
22014                 \if@RTL
22015                     \endR
22016                 \fi
22017                 \cap@right
22018             }\par\kern\dp\strutbox%
22019         }%
22020     }\kern-\dp\strutbox
22021 }
22022 \renewcommand{\@makecaption}[2]{%
22023     \if@captionabove
22024         \vskip\belowcaptionskip
22025     \else
22026         \vskip\abovecaptionskip
22027     \fi
22028     \@makecaption\@firstofone{#1}{#2}%
22029     \if@captionabove
22030         \vskip\abovecaptionskip
22031     \else
22032         \vskip\belowcaptionskip
22033     \fi
22034 }
22035
22036 \renewcommand{\scr@makesinglelinecaption}[3]{%
22037     {\usekomafont{caption}{\strut\ignorespaces
22038         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22039     \ignorespaces #3\unskip}}%
22040 }
22041
22042 \renewcommand{\scr@makemultilinecaption}[3]{%
22043     {%
22044         \usefontofkomafont{caption}{%
22045             \hb@xt@\hsize{%

```



```

22046 \cap@left
22047 \vbox{\hsize\cap@width\linewidth\hsize
22048 \scr@ifundefinedorrelax{@captype}{%
22049 \ClassWarning{\KOMAClassName}{%
22050 \string\caption' outside float.\MessageBreak
22051 Seems you are using \string\caption' outside a
22052 float.\MessageBreak
22053 Maybe you are using a package that uses
22054 \string\@makecaption'\MessageBreak
22055 without setting \string\@captype' before.\MessageBreak
22056 Because I cannot detect the caption type, I'm using\MessageBreak
22057 the empty one.%
22058 }%
22059 \let\@captype\@empty
22060 }{}%
22061 \scr@ifundefinedorrelax[ragged\@captype caption]{\raggedcaption}{%
22062 \nameuse{ragged\@captype caption}%
22063 }%
22064 \ifdofullc@p
22065 \hangfrom{%
22066 \strut
22067 \scr@smashdp{%
22068 #1{%
22069 \usekomafont{caption}{%
22070 \usekomafont{captionlabel}{#2\captionformat}%
22071 }%
22072 }%
22073 }%
22074 }%
22075 {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22076 \else
22077 \ifdim\cap@indent<\z@
22078 \strut
22079 #1{%
22080 {\usekomafont{caption}{%
22081 \usekomafont{captionlabel}{#2\captionformat}%
22082 }%
22083 }\par}%
22084 \noindent{\usekomafont{caption}{%
22085 \hspace*{-\cap@indent}#3\scr@endstrut
22086 }}\par}%
22087 \else
22088 \if@capbreak
22089 \strut
22090 #1{%
22091 {\usekomafont{caption}{%
22092 \usekomafont{captionlabel}{#2\captionformat}%
22093 }%
22094 }\par}%
22095 \noindent\hangfrom{\hspace*{\cap@indent}}%
22096 {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22097 \else
22098 \hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
22099 {%

```



```

22100         \hspace{-\cap@indent}%
22101         \scr@smashdp{%
22102             #1{\usekomafont{caption}{%
22103                 \usekomafont{captionlabel}{#2\captionformat}%
22104             }}%
22105         }%
22106     }%
22107     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22108 }%
22109     \fi
22110     \fi
22111     \fi
22112 }%
22113     \cap@right
22114 } \par \kern \dp \strutbox
22115 }%
22116 } \kern - \dp \strutbox
22117 }
22118
22119 \bidi@AfterFile{longtable-xetex-bidi.def}{%
22120 \if@komalongtable
22121     \renewcommand{\LT@makecaption}[3]{%
22122         \noalign{%
22123             \if@captionabove
22124                 \vskip\belowcaptionskip
22125             \else
22126                 \vskip\abovecaptionskip
22127             \fi
22128         }%
22129         \LT@mcol\LT@cols c{%
22130             \hbox to\z@{\hss\parbox[t]\linewidth{%
22131                 \def\@captype{table}%
22132                 \@makecaption{#1}{#2}{#3}%
22133                 \endgraf
22134                 \if@captionabove
22135                     \vskip\abovecaptionskip
22136                 \else
22137                     \vskip\belowcaptionskip
22138                 \fi
22139             }}%
22140             \hss
22141         }%
22142     }%
22143 }%
22144 \renewcommand*\scr@LT@array}{}%
22145 \let\scr@LT@array=\LT@array
22146 \renewcommand*\LT@array{%
22147     \let\scr@caption=\LT@caption
22148     \def\captionabove{\noalign{\global\@captionabovetrue}%
22149         \scr@caption}%
22150     \def\captionbelow{\noalign{\global\@captionabovetrue}%
22151         \scr@caption}%
22152     \if@tablecaptionabove
22153         \let\LT@caption=\captionabove

```



```

22154     \else
22155         \let\LT@caption=\captionbelow
22156     \fi
22157     \scr@LT@array
22158 }%
22159 \ClassInfo{\KOMAClassName}{%
22160     longtable captions redefined%
22161 }%
22162 \fi
22163 }
22164
22165 \CloneTOCEntryStyle{tocline}{part}
22166 \TOCEntryStyleStartInitCode{part}{%
22167     \expandafter\renewcommand%
22168     \csname scr@tso@#1@linefill\endcsname{\hfill}%
22169     \expandafter\renewcommand%
22170     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22171     \expandafter\renewcommand%
22172     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22173         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
22174     \expandafter\renewcommand\expandafter*%
22175     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
22176 }
22177
22178 \CloneTOCEntryStyle{tocline}{section}
22179 \TOCEntryStyleStartInitCode{section}{%
22180     \expandafter\renewcommand%
22181     \csname scr@tso@#1@linefill\endcsname{%
22182         \if@sectionentrywithdots
22183             {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
22184         \else
22185             \hfill
22186         \fi
22187     }%
22188     \expandafter\renewcommand%
22189     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
22190     \expandafter\renewcommand%
22191     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
22192     \expandafter\renewcommand\expandafter*%
22193     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
22194 }
22195
22196 \CloneTOCEntryStyle{tocline}{subsection}
22197 \TOCEntryStyleStartInitCode{subsection}{%
22198     \expandafter\renewcommand%
22199     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22200     \expandafter\renewcommand%
22201     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22202         {\normalfont\normalcolor ##1}}%
22203 }
22204
22205 \CloneTOCEntryStyle{subsection}{default}
22206
22207 \DeclareSectionCommand[%

```





```

22208 style=section,%
22209 level=1,%
22210 indent=\z@,%
22211 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
22212 afterskip=2.3ex \@plus .2ex,%
22213 tocstyle=section,%
22214 tocindent=0pt,%
22215 tocnumwidth=1.5em%
22216 ]{section}
22217 \DeclareSectionCommand[%
22218 style=part,%
22219 level=\z@,%
22220 tocstyle=part,%
22221 toclevel=\m@ne,%
22222 tocindent=\z@,%
22223 tocnumwidth=2em%
22224 ]{part}
22225 \DeclareSectionCommand[%
22226 style=section,%
22227 level=2,%
22228 indent=\z@,%
22229 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
22230 afterskip=1.5ex \@plus .2ex,%
22231 tocstyle=subsection,%
22232 tocindent=1.5em,%
22233 tocnumwidth=2.3em%
22234 ]{subsection}
22235 \DeclareSectionCommand[%
22236 style=section,%
22237 level=3,%
22238 indent=\z@,%
22239 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
22240 afterskip=1.5ex \@plus .2ex,%
22241 tocstyle=subsection,%
22242 tocindent=3.8em,%
22243 tocnumwidth=3.2em%
22244 ]{subsubsection}
22245 \DeclareSectionCommand[%
22246 style=section,%
22247 level=4,%
22248 indent=\z@,%
22249 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
22250 afterskip=-1em,%
22251 tocstyle=subsection,%
22252 tocindentfollows=subsubsection,%
22253 tocindent=7.0em,%
22254 tocnumwidth=4.1em%
22255 ]{paragraph}
22256 \DeclareSectionCommand[%
22257 style=section,%
22258 level=5,%
22259 indent=\scr@parindent,%
22260 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
22261 afterskip=-1em,%

```



```

22262 tocstyle=subsection,%
22263 tocindent=10em,%
22264 tocnumwidth=5em%
22265 ]{subparagraph}

```

## 142 File scrbook-xetex-bidi.def

```

22266 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
22267 \newcommand{\scr@saved@LTRfootnotetext}{}
22268 \newcommand{\scr@saved@RTLfootnotetext}{}
22269 \let\scr@saved@footnotetext\@footnotetext
22270 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
22271 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
22272 \renewcommand{\@footnotetext}[1]{%
22273   \scr@saved@footnotetext{#1}%
22274   \csname FN@mf@prepare\endcsname
22275 }
22276 \renewcommand{\@LTRfootnotetext}[1]{%
22277   \scr@saved@LTRfootnotetext{#1}%
22278   \csname FN@mf@prepare\endcsname
22279 }
22280 \renewcommand{\@RTLfootnotetext}[1]{%
22281   \scr@saved@RTLfootnotetext{#1}%
22282   \csname FN@mf@prepare\endcsname
22283 }
22284 \renewcommand\deffootnote[4] [] [%
22285   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
22286     \long\def\@makefnmark##1{%
22287       \ExecuteDoHook{footnote/text/begin}%
22288       \raggedfootnote
22289       \if@RTL
22290         \rightskip
22291       \else
22292         \leftskip
22293       \fi
22294       #2
22295       \l@addto@macro\@trivlist{%
22296         \ifnum\@listdepth=\@ne\advance
22297           \if@RTL
22298             \rightmargin #2\relax
22299           \else
22300             \leftmargin #2\relax
22301           \fi
22302         \fi
22303       }%
22304       \parindent #3\noindent
22305       \IfArgIsEmpty{#1}{}{%
22306         \hskip \dimexpr #1-#2\relax
22307       }%
22308       \ftn@font\hbox to \z@\{\hss\@makefnmark\}##1%
22309       \ExecuteDoHook{footnote/text/end}%
22310     }%
22311   \else
22312     \ClassInfo{\KOMAClassName}{%

```



```

22313     Using old \string\@makefnmark\space due to compatibility
22314     level\MessageBreak
22315     less than 3.22}%
22316 \long\def\@makefnmark##1{%
22317   \setlength{\@tempdimc}{#3}%
22318   \def\@tempa{#1}\ifx\@tempa\@empty
22319     \@setpar{\@@par
22320       \@tempdima = \hspace
22321       \addtolength{\@tempdima}{-#2}%
22322       \if@RTL
22323         \parshape \@ne \z@ \@tempdima
22324       \else
22325         \parshape \@ne #2 \@tempdima
22326       \fi
22327     }%
22328   \else
22329     \addtolength{\@tempdimc}{#2}%
22330     \addtolength{\@tempdimc}{-#1}%
22331     \@setpar{\@@par
22332       \@tempdima = \hspace
22333       \addtolength{\@tempdima}{-#1}%
22334       \@tempdimb = \hspace
22335       \addtolength{\@tempdimb}{-#2}%
22336       \if@RTL
22337         \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
22338       \else
22339         \parshape \tw@ #1 \@tempdima #2 \@tempdimb
22340       \fi
22341     }%
22342   \fi
22343   \par
22344   \parindent\@tempdimc\noindent
22345   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22346 }%
22347 \fi
22348 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
22349 }
22350 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
22351 \renewcommand*\left@footnoterule{%
22352   \normalsize\ftn@rule@test@values
22353   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22354   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22355   {\usekomafont{footnoterule}{%
22356     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
22357   \kern 2.6\p@}
22358 \renewcommand*\right@footnoterule{%
22359   \normalsize\ftn@rule@test@values
22360   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22361   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22362   {\usekomafont{footnoterule}{%
22363     \hbox to \columnwidth{\hspace \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
22364     \kern 2.6\p@}
22365   \renewcommand*\maketitle[1][1]{%
22366     \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax

```



```

22367 \else
22368   \def\and{%
22369     \end{tabular}%
22370     \hskip 1em \@plus.17fil%
22371     \begin{tabular}[t]{c}%
22372   }%
22373 \fi
22374 \if@titlepage
22375   \begin{titlepage}
22376     \setcounter{page}{%
22377       #1%
22378     }%
22379     \if@titlepageiscoverpage
22380       \edef\tITLEPAGE@restore{%
22381         \noexpand\endgroup
22382         \noexpand\global\noexpand\@colht\the\@colht
22383         \noexpand\global\noexpand\@colroom\the\@colroom
22384         \noexpand\global\vsizethe\vsizethe
22385         \noexpand\global\noexpand\@titlepageiscoverpagefalse
22386         \noexpand\let\noexpand\tITLEPAGE@restore\noexpand\relax
22387       }%
22388       \begingroup
22389         \topmargin=\dimexpr \coverpagetopmargin-1in\relax
22390         \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
22391         \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
22392         \textwidth=\dimexpr
22393         \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
22394         \textheight=\dimexpr
22395         \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
22396         \headheight=0pt
22397         \headsep=0pt
22398         \footskip=\baselineskip
22399         \@colht=\textheight
22400         \@colroom=\textheight
22401         \vsizethe=\textheight
22402         \columnwidth=\textwidth
22403         \hsizethe=\columnwidth
22404         \linewidth=\hsizethe
22405       \else
22406         \let\tITLEPAGE@restore\relax
22407       \fi
22408       \let\footnotesize\small
22409       \let\right@footnoterule\relax
22410       \let\left@footnoterule\relax
22411       \let\textwidth@footnoterule\relax
22412       \let\footnote\thanks
22413       \let\LTRfootnote\LTRthanks
22414       \let\RTLfootnote\RTLthanks
22415       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22416       \let\@oldmakefnmark\@makefnmark
22417       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
22418       \ifx\@extratitle\@empty
22419         \ifx\@frontispiece\@empty
22420       \else

```



```

22421         \if@twoside\mbox{}\next@tpage\fi
22422         \noindent\@frontispiece\next@tdpage
22423     \fi
22424 \else
22425     \noindent\@extratitle
22426     \ifx\@frontispiece\@empty
22427     \else
22428         \next@tpage
22429         \noindent\@frontispiece
22430     \fi
22431     \next@tdpage
22432 \fi
22433 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
22434 \ifx\@titlehead\@empty \else
22435     \begin{minipage}[t]{\textwidth}%
22436         \usekomafont{titlehead}{\@titlehead\par}%
22437     \end{minipage}\par
22438 \fi
22439 \null\vfill
22440 \begin{center}
22441     \ifx\@subject\@empty \else
22442         {\usekomafont{subject}{\@subject\par}}%
22443         \vskip 3em
22444     \fi
22445     {\usekomafont{title}{\huge \@title\par}}%
22446     \vskip 1em
22447     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
22448     \vskip 2em
22449     {%
22450         \usekomafont{author}{%
22451             \lineskip 0.75em
22452             \begin{tabular}[t]{c}
22453                 \@author
22454             \end{tabular}\par
22455         }%
22456     }%
22457     \vskip 1.5em
22458     {\usekomafont{date}{\@date \par}}%
22459     \vskip \z@ \@plus3fill
22460     {\usekomafont{publishers}{\@publishers \par}}%
22461     \vskip 3em
22462 \end{center}\par
22463 \@thanks\global\let\@thanks\@empty
22464 \vfill\null
22465 \if@twoside
22466     \@tempswatrue
22467     \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
22468     \else
22469         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
22470             \@tempswafalse
22471         \fi\fi
22472     \fi
22473     \if@tempswa
22474         \next@tpage

```



```

22475         \begin{minipage}[t]{\textwidth}
22476             \uppertitleback
22477         \end{minipage}\par
22478         \vfill
22479         \begin{minipage}[b]{\textwidth}
22480             \lowertitleback
22481         \end{minipage}\par
22482         \@thanks\global\let\@thanks\@empty
22483     \fi
22484 \else
22485     \ifx\@uppertitleback\@empty\else
22486         \ClassWarning{\KOMAClassName}{%
22487             non empty \string\uppertitleback\space ignored
22488             by \string\maketitle\MessageBreak
22489             in `twoside=false' mode%
22490         }%
22491     \fi
22492     \ifx\@lowertitleback\@empty\else
22493         \ClassWarning{\KOMAClassName}{%
22494             non empty \string\lowertitleback\space ignored
22495             by \string\maketitle\MessageBreak
22496             in `twoside=false' mode%
22497         }%
22498     \fi
22499 \fi
22500 \ifx\@dedication\@empty
22501 \else
22502     \next@tdpage\null\vfill
22503     {\centering\usekomafont{dedication}{\@dedication \par}}%
22504     \vskip \z@ \@plus3fill
22505     \@thanks\global\let\@thanks\@empty
22506     \cleardoubleemptypage
22507 \fi
22508 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
22509 \end{titlepage}
22510 \else
22511     \par
22512     \@tempcnta=%
22513     #1%
22514     \relax\ifnum\@tempcnta=1\else
22515         \ClassWarning{\KOMAClassName}{%
22516             Optional argument of \string\maketitle\space ignored\MessageBreak
22517             in `titlepage=false' mode%
22518         }%
22519     \fi
22520     \ifx\@uppertitleback\@empty\else
22521         \ClassWarning{\KOMAClassName}{%
22522             non empty \string\uppertitleback\space ignored
22523             by \string\maketitle\MessageBreak
22524             in `titlepage=false' mode%
22525         }%
22526     \fi
22527     \ifx\@lowertitleback\@empty\else
22528         \ClassWarning{\KOMAClassName}{%

```



```

22529     non empty \string\lowertitleback\space ignored
22530     by \string\maketitle\MessageBreak
22531     in `titlepage=false' mode%
22532   }%
22533 \fi
22534 \begingroup
22535   \let\titlepage@restore\relax
22536   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22537   \let\@oldmakefnmark\@makefnmark
22538   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22539   \next@tdpage
22540   \if@twocolumn
22541     \ifnum \col@number=\@one
22542       \ifx\@extratitle\@empty
22543         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22544       \else
22545         \@makeextratitle
22546       \fi
22547       \ifx\@frontispiece\@empty
22548         \ifx\@extratitle\@empty\else\next@tdpage\fi
22549       \else
22550         \next@tpage
22551         \@makefrontispiece
22552         \next@tdpage
22553       \fi
22554       \@maketitle
22555     \else
22556       \ifx\@extratitle\@empty
22557         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22558       \else
22559         \twocolumn[\@makeextratitle]%
22560       \fi
22561       \ifx\@frontispiece\@empty
22562         \ifx\@extratitle\@empty\else\next@tdpage\fi
22563       \else
22564         \next@tpage
22565         \twocolumn[\@makefrontispiece]%
22566         \next@tdpage
22567       \fi
22568       \twocolumn[\@maketitle]%
22569     \fi
22570   \else
22571     \ifx\@extratitle\@empty
22572       \ifx\@frontispiece\@empty\else \mbox{}\fi
22573     \else
22574       \@makeextratitle
22575     \fi
22576     \ifx\@frontispiece\@empty
22577       \ifx\@extratitle\@empty\else\next@tdpage\fi
22578     \else
22579       \next@tpage
22580       \@makefrontispiece
22581       \next@tdpage
22582     \fi

```



```

22583     \@maketitle
22584     \fi
22585     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22586     \@thanks\global\let\@thanks\@empty
22587   \endgroup
22588 \fi
22589 \setcounter{footnote}{0}%
22590 \expandafter\ifnum \cscname scr@v@3.12\endcscname>\scr@compatibility\relax
22591   \let\thanks\relax
22592   \let\LTRthanks\relax
22593   \let\RTLthanks\relax
22594   \let\maketitle\relax
22595   \let\@maketitle\relax
22596   \global\let\@thanks\@empty
22597   \global\let\@author\@empty
22598   \global\let\@date\@empty
22599   \global\let\@title\@empty
22600   \global\let\@subtitle\@empty
22601   \global\let\@extratitle\@empty
22602   \global\let\@frontispiece\@empty
22603   \global\let\@titlehead\@empty
22604   \global\let\@subject\@empty
22605   \global\let\@publishers\@empty
22606   \global\let\@uppertitleback\@empty
22607   \global\let\@lowertitleback\@empty
22608   \global\let\@dedication\@empty
22609   \global\let\author\relax
22610   \global\let\title\relax
22611   \global\let\extratitle\relax
22612   \global\let\titlehead\relax
22613   \global\let\subject\relax
22614   \global\let\publishers\relax
22615   \global\let\uppertitleback\relax
22616   \global\let\lowertitleback\relax
22617   \global\let\dedication\relax
22618   \global\let\date\relax
22619 \fi
22620 \global\let\and\relax
22621 }%
22622 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22623 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22624 \renewcommand*\thesection{%
22625   \expandafter\ifnum\scr@v@is>{2.97d}%
22626     \if@mainmatter\thechapter\@SepMark\fi
22627   \else
22628     \thechapter\@SepMark%
22629   \fi
22630   \@arabic\c@section
22631 }
22632 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
22633 \renewcommand*{\thesubsubsection}{%
22634   \thesubsection\@SepMark\@arabic\c@subsubsection
22635 }
22636 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}

```





```

22637 \renewcommand*{\thesubparagraph}{%
22638   \theparagraph\@SepMark\@arabic\c@subparagraph
22639 }
22640 \expandafter\ifnum\scr@v@is@le{2.97d}%
22641   \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
22642 \fi
22643 \expandafter\ifnum\scr@v@is@le{2.97d}%
22644   \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
22645 \fi
22646 \renewcommand*{\theequation}{%
22647   \expandafter\ifnum\scr@v@is@gt{2.97d}%
22648     \if@mainmatter\thechapter\@SepMark\fi
22649   \else
22650     \thechapter\@SepMark%
22651   \fi
22652   \@arabic\c@equation
22653 }
22654 \renewenvironment{thebibliography}[1]{%
22655   \if@bib@break@
22656     \bib@beginhook
22657   \else
22658     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22659       \setchapterpreamble{\bibpreamble}%
22660     \fi\fi
22661     \bib@heading
22662     \bib@beginhook
22663     \bib@before@hook
22664   \fi
22665   \renewcommand{\BreakBibliography}[1]{%
22666     \@bib@break
22667     \end{thebibliography}%
22668     \begingroup ##1\endgroup
22669     \begin{thebibliography}{#1}
22670   }%
22671   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
22672   \bidi@thebibliography@font@hook%
22673   \list{%
22674     \@biblabel{\@arabic\c@enumiv}%
22675   }{%
22676     \settowidth\labelwidth{\@biblabel{#1}}%
22677     \leftmargin\labelwidth
22678     \advance\leftmargin\labelsep
22679     \@openbib@code
22680     \if@bib@break@
22681       \edef\@tempa{%
22682         \noexpand\usecounter{enumiv}%
22683         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22684       }\@tempa
22685       \no@bib@break
22686     \else
22687       \usecounter{enumiv}%
22688     \fi
22689     \let\p@enumiv\@empty
22690   \renewcommand*\theenumiv{\@arabic\c@enumiv}%

```



```

22691 }%
22692 \sloppy\clubpenalty4000 \widowpenalty4000
22693 \sfcode`\.=\@m
22694 }{%
22695 \if@bib@break@
22696   \def\@noitemerr{%
22697     \@latex@warning{%
22698       \string\BreakBibliography\space at begin of `thebibliography'
22699       environment\MessageBreak
22700       or following \string\BreakBibliography}%
22701   }%
22702 \else
22703   \def\@noitemerr{%
22704     \@latex@warning{%
22705       Empty `thebibliography' environment or
22706       \string\BreakBibliography\MessageBreak
22707       before end of `thebibliography' environment}%
22708   }%
22709 \fi
22710 \endlist
22711 \if@bib@break@
22712 \else
22713   \bib@after@hook
22714   \let\bib@before@hook\@empty
22715   \let\bib@after@hook\@empty
22716 \fi
22717 \bib@endhook
22718 }
22719 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
22720 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
22721 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
22722 \renewcommand\marginline[1]{%
22723   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
22724 }
22725 \renewcommand{\@makecaption}[3]{%
22726   \cap@margin
22727   \begingroup
22728     \ifonelinecaptions
22729     \def\stepcounter##1{\advance\value{##1}\@ne}%
22730     \let\refstepcounter\stepcounter
22731     \let\label\@gobble
22732     \let\@footnotetext=\@gobble
22733     \let\@LTRfootnotetext=\@gobble
22734     \let\@RTLfootnotetext=\@gobble
22735     \let\hypertarget\@gobbletwo
22736     \edef\@xnewline{%
22737       \unexpanded{\ClassInfo{\KOMAClassName}}{%
22738         Workaround for not recommended usage of \string\ or\MessageBreak
22739         \string\newline in caption text
22740       }%
22741       \hspace*{\linewidth}\hspace{1sp}%
22742     }%
22743     \unexpanded\expandafter{\@xnewline}%
22744   }%

```



```

22745 \edef\@xcentercr{%
22746 \unexpanded{\ClassInfo{\KOMAClassName}{%
22747 Workaround for not recommended usage of \string\ or\MessageBreak
22748 \string\newline in caption text
22749 }%
22750 \hspace*{\linewidth}\hspace{1sp}%
22751 }%
22752 \unexpanded\expandafter{\@xcentercr}%
22753 }%
22754 \settowidth{\@tempdima}{\scr@@makesinglelinecaption{#1}{#2}{#3}}%
22755 \ifdim\@tempdima>\cap@width
22756 \aftergroup\scr@makemultilinecaption
22757 \else
22758 \aftergroup\scr@makesinglelinecaption
22759 \fi
22760 \else
22761 \aftergroup\scr@makemultilinecaption
22762 \fi
22763 \endgroup
22764 {#1}{#2}{#3}%
22765 }
22766 \renewcommand{\scr@makesinglelinecaption}[3]{%
22767 {%
22768 \usefontofkomafont{caption}{%
22769 \hb@xt@\hsize{%
22770 \cap@left
22771 \if@RTL
22772 \beginR
22773 \fi
22774 \scr@@makesinglelinecaption{#1}{#2}{#3}%
22775 \if@RTL
22776 \endR
22777 \fi
22778 \cap@right
22779 }\par\kern\dp\strutbox%
22780 }%
22781 }\kern-\dp\strutbox
22782 }
22783 \renewcommand{\@makecaption}[2]{%
22784 \if@captionabove
22785 \vskip\belowcaptionskip
22786 \else
22787 \vskip\abovecaptionskip
22788 \fi
22789 \@@makecaption\@firstofone{#1}{#2}%
22790 \if@captionabove
22791 \vskip\abovecaptionskip
22792 \else
22793 \vskip\belowcaptionskip
22794 \fi
22795 }
22796
22797 \renewcommand{\scr@@makesinglelinecaption}[3]{%
22798 {\usekomafont{caption}{\strut\ignorespaces

```



```

22799     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22800     \ignorespaces #3\unskip}}}%
22801 }
22802
22803 \renewcommand{\scr@makemultilinecaption}[3]{%
22804   {%
22805     \usefontofkomafont{caption}{%
22806       \hb@xt@\hsize{%
22807         \cap@left
22808         \vbox{\hsize\cap@width\linewidth\hsize
22809           \scr@ifundefinedorrelax{@capttype}{%
22810             \ClassWarning{\KOMAClassName}{%
22811               `string\caption' outside float.\MessageBreak
22812               Seems you are using `string\caption' outside a
22813               float.\MessageBreak
22814               Maybe you are using a package that uses
22815               `string\@makecaption'\MessageBreak
22816               without setting `string\@capttype' before.\MessageBreak
22817               Because I cannot detect the caption type, I'm using\MessageBreak
22818               the empty one.%
22819             }%
22820             \let\@capttype\@empty
22821           }{}%
22822           \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
22823             \@nameuse{ragged\@capttype caption}%
22824           }%
22825           \ifdofullc@p
22826             \@hangfrom{%
22827               \strut
22828               \scr@smashdp{%
22829                 #1{%
22830                   \usekomafont{caption}{%
22831                     \usekomafont{captionlabel}{#2\captionformat}%
22832                   }%
22833                 }%
22834               }%
22835             }%
22836             {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22837           \else
22838             \ifdim\cap@indent<\z@
22839               \strut
22840               #1{%
22841                 {\usekomafont{caption}{%
22842                   \usekomafont{captionlabel}{#2\captionformat}%
22843                 }%
22844               }\par}%
22845             \noindent{\usekomafont{caption}{%
22846               \hspace*{-\cap@indent}#3\scr@endstrut
22847             }}\par}%
22848           \else
22849             \if@capbreak
22850               \strut
22851               #1{%
22852                 {\usekomafont{caption}{%

```



```

22853         \usekomafont{captionlabel}{#2\captionformat}%
22854     }
22855 } \par}%
22856 \noindent\@hangfrom{\hspace*{\cap@indent}}%
22857 {{\usekomafont{caption}{#3\scr@endstrut}} \par}%
22858 \else
22859 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
22860 {%
22861     \hspace{-\cap@indent}%
22862     \scr@smashdp{%
22863         #1{\usekomafont{caption}{%
22864             \usekomafont{captionlabel}{#2\captionformat}%
22865             }%
22866         }%
22867     }%
22868     {{\usekomafont{caption}{#3\scr@endstrut}} \par}%
22869     }%
22870     \fi
22871     \fi
22872     \fi
22873     }%
22874     \cap@right
22875 } \par\kern\dp\strutbox
22876 }%
22877 } \kern-\dp\strutbox
22878 }
22879
22880
22881 \bidi@AfterFile{longtable-xetex-bidi.def}{%
22882 \if@komalongtable
22883 \renewcommand{\LT@makecaption}[3]{%
22884 \noalign{%
22885 \if@captionabove
22886 \vskip\belowcaptionskip
22887 \else
22888 \vskip\abovecaptionskip
22889 \fi
22890 }%
22891 \LT@mcol\LT@cols c{%
22892 \hbox to\z@{\hss\parbox[t]\linewidth{%
22893 \def\@capytype{table}%
22894 \@makecaption{#1}{#2}{#3}%
22895 \endgraf
22896 \if@captionabove
22897 \vskip\abovecaptionskip
22898 \else
22899 \vskip\belowcaptionskip
22900 \fi
22901 }%
22902 \hss
22903 }%
22904 }%
22905 }%
22906 \renewcommand*{\scr@LT@array}{}%

```



```

22907 \let\scr@LT@array=\LT@array
22908 \renewcommand*{\LT@array}{%
22909 \let\scr@caption=\LT@caption
22910 \def\captionabove{\noalign{\global\@captionabovetrue}%
22911 \scr@caption}%
22912 \def\captionbelow{\noalign{\global\@captionabovefalse}%
22913 \scr@caption}%
22914 \if@tablecaptionabove
22915 \let\LT@caption=\captionabove
22916 \else
22917 \let\LT@caption=\captionbelow
22918 \fi
22919 \scr@LT@array
22920 }%
22921 \ClassInfo{\KOMAClassName}{%
22922 longtable captions redefined%
22923 }%
22924 \fi
22925 }
22926
22927 \CloneTOCEntryStyle{tocline}{part}
22928 \TOCEntryStyleStartInitCode{part}{%
22929 \expandafter\renewcommand%
22930 \csname scr@tso@#1@linefill\endcsname{\hfill}%
22931 \expandafter\renewcommand%
22932 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22933 \expandafter\renewcommand%
22934 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22935 {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
22936 \expandafter\renewcommand\expandafter*%
22937 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
22938 }
22939
22940 \CloneTOCEntryStyle{tocline}{chapter}
22941 \TOCEntryStyleStartInitCode{chapter}{%
22942 \expandafter\renewcommand%
22943 \csname scr@tso@#1@linefill\endcsname{%
22944 \if@chapterentrywithdots
22945 {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
22946 \else
22947 \hfill
22948 \fi
22949 }%
22950 \expandafter\renewcommand%
22951 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
22952 \expandafter\renewcommand%
22953 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22954 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
22955 \expandafter\renewcommand\expandafter*%
22956 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
22957 }
22958
22959 \CloneTOCEntryStyle{tocline}{section}
22960 \TOCEntryStyleStartInitCode{section}{%

```



```

22961 \expandafter\renewcommand%
22962 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22963 \expandafter\renewcommand%
22964 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22965   {\normalfont\normalcolor ##1}}%
22966 }
22967
22968 \CloneTOCEntryStyle{section}{default}
22969
22970 \DeclareSectionCommand[%
22971   style=chapter,%
22972   level=\z@,%
22973   pagestyle=plain,%
22974   tocstyle=chapter,%
22975   tocindent=\z@,%
22976   tocnumwidth=1.5em%
22977 ]{chapter}
22978 \DeclareSectionCommand[%
22979   style=section,%
22980   level=1,%
22981   indent=\z@,%
22982   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
22983   afterskip=2.3ex \@plus .2ex,%
22984   tocstyle=section,%
22985   tocindentfollows=chapter,%
22986   tocindent=1.5em,%
22987   tocnumwidth=2.3em%
22988 ]{section}
22989 \DeclareSectionCommand[%
22990   style=part,%
22991   level=\m@ne,%
22992   pagestyle=plain,%
22993   tocstyle=part,%
22994   toplevel=\m@ne,%
22995   tocindent=\z@,%
22996   tocnumwidth=2em%
22997 ]{part}
22998 \DeclareSectionCommand[%
22999   style=section,%
23000   level=2,%
23001   indent=\z@,%
23002   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
23003   afterskip=1.5ex \@plus .2ex,%
23004   tocstyle=section,%
23005   tocindent=3.8em,%
23006   tocnumwidth=3.2em%
23007 ]{subsection}
23008 \DeclareSectionCommand[%
23009   style=section,%
23010   level=3,%
23011   indent=\z@,%
23012   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
23013   afterskip=1.5ex \@plus .2ex,%
23014   tocstyle=section,%

```



```

23015 tocindent=7.0em,%
23016 tocnumwidth=4.1em%
23017 ]{subsubsection}
23018 \DeclareSectionCommand[%
23019 style=section,%
23020 level=4,%
23021 indent=\z@,%
23022 beforekip=3.25ex \@plus1ex \@minus.2ex,%
23023 afterskip=-1em,%
23024 tocindentfollows=subsubsection,%
23025 tocstyle=section,%
23026 tocindent=10em,%
23027 tocnumwidth=5em%
23028 ]{paragraph}
23029 \DeclareSectionCommand[%
23030 style=section,%
23031 level=5,%
23032 indent=\scr@parindent,%
23033 beforekip=3.25ex \@plus1ex \@minus.2ex,%
23034 afterskip=-1em,%
23035 tocstyle=section,%
23036 tocindent=12em,%
23037 tocnumwidth=6em%
23038 ]{subparagraph}

```

## 143 File `scrreprt-xetex-bidi.def`

```

23039 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
23040 \newcommand{\scr@saved@LTRfootnotetext}{}
23041 \newcommand{\scr@saved@RTLfootnotetext}{}
23042 \let\scr@saved@footnotetext\@footnotetext
23043 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
23044 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
23045 \renewcommand{\@footnotetext}[1]{%
23046 \scr@saved@footnotetext{#1}%
23047 \csname FN@mfb@prepare\endcsname
23048 }
23049 \renewcommand{\@LTRfootnotetext}[1]{%
23050 \scr@saved@LTRfootnotetext{#1}%
23051 \csname FN@mfb@prepare\endcsname
23052 }
23053 \renewcommand{\@RTLfootnotetext}[1]{%
23054 \scr@saved@RTLfootnotetext{#1}%
23055 \csname FN@mfb@prepare\endcsname
23056 }
23057 \renewcommand\deffootnote[4][]{%
23058 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
23059 \long\def\@makefntext##1{%
23060 \ExecuteDoHook{footnote/text/begin}%
23061 \raggedfootnote
23062 \if@RTL
23063 \rightskip
23064 \else
23065 \leftskip

```





```

23066 \fi
23067 #2
23068 \l@addto@macro\@trivlist{%
23069 \ifnum\@listdepth=\@ne
23070 \if@RTL
23071 \advance\rightmargin #2\relax
23072 \else
23073 \advance\leftmargin #2\relax
23074 \fi
23075 \fi
23076 }%
23077 \parindent #3\noindent
23078 \IfArgIsEmpty{#1}{-}{%
23079 \hskip \dimexpr #1-#2\relax
23080 }%
23081 \ftn@font\hbox to \z@\{hss\@@makefnmark\}##1%
23082 \ExecuteDoHook{footnote/text/end}%
23083 }%
23084 \else
23085 \ClassInfo{\KOMAClassName}{%
23086 Using old \string\@makefntext\space due to compatibility
23087 level\MessageBreak
23088 less than 3.22}%
23089 \long\def\@makefntext##1{%
23090 \setlength{\@tempdimc}{#3}%
23091 \def\@tempa{#1}\ifx\@tempa\@empty
23092 \setpar{\@@par
23093 \@tempdima = \hspace
23094 \addtolength{\@tempdima}{-#2}%
23095 \if@RTL
23096 \parshape \@ne \z@ \@tempdima
23097 \else
23098 \parshape \@ne #2 \@tempdima
23099 \fi
23100 }%
23101 \else
23102 \addtolength{\@tempdimc}{#2}%
23103 \addtolength{\@tempdimc}{-#1}%
23104 \setpar{\@@par
23105 \@tempdima = \hspace
23106 \addtolength{\@tempdima}{-#1}%
23107 \@tempdimb = \hspace
23108 \addtolength{\@tempdimb}{-#2}%
23109 \if@RTL
23110 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
23111 \else
23112 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
23113 \fi
23114 }%
23115 \fi
23116 \par
23117 \parindent\@tempdimc\noindent
23118 \ftn@font\hbox to \z@\{hss\@@makefnmark\}##1%
23119 }%

```



```

23120 \fi
23121 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
23122 }
23123 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
23124 \renewcommand*\left@footnoterule{%
23125 \normalsize\ftn@rule@test@values
23126 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
23127 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23128 {\usekomafont{footnoterule}{%
23129 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
23130 \kern 2.6\p@}
23131 \renewcommand*\right@footnoterule{%
23132 \normalsize\ftn@rule@test@values
23133 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
23134 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23135 {\usekomafont{footnoterule}{%
23136 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
23137 \kern 2.6\p@}
23138 \renewcommand*\maketitle[1][1]{%
23139 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23140 \else
23141 \def\and{%
23142 \end{tabular}%
23143 \hskip 1em \@plus.17fil%
23144 \begin{tabular}[t]{c}%
23145 }%
23146 \fi
23147 \if@titlepage
23148 \begin{titlepage}
23149 \setcounter{page}{%
23150 #1%
23151 }%
23152 \if@titlepageiscoverpage
23153 \edef\titlename@restore{%
23154 \noexpand\endgroup
23155 \noexpand\global\noexpand\@colht\the\@colht
23156 \noexpand\global\noexpand\@colroom\the\@colroom
23157 \noexpand\global\vsizethe\vsizethe
23158 \noexpand\global\noexpand\@titlepageiscoverpagefalse
23159 \noexpand\let\noexpand\titlename@restore\noexpand\relax
23160 }%
23161 \begin{group}
23162 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
23163 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
23164 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
23165 \textwidth=\dimexpr
23166 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
23167 \textheight=\dimexpr
23168 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
23169 \headheight=0pt
23170 \headsep=0pt
23171 \footskip=\baselineskip
23172 \@colht=\textheight
23173 \@colroom=\textheight

```



```

23174     \vsize=\textheight
23175     \columnwidth=\textwidth
23176     \hsize=\columnwidth
23177     \linewidth=\hsize
23178   \else
23179     \let\titlepage@restore\relax
23180   \fi
23181   \let\footnotesize\small
23182   \let\right@footnoterule\relax
23183   \let\left@footnoterule\relax
23184   \let\textwidth@footnoterule\relax
23185   \let\footnote\thanks
23186   \let\LTRfootnote\LTRthanks
23187   \let\RTLfootnote\RTLthanks
23188   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23189   \let\@oldmakefnmark\@makefnmark
23190   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
23191   \ifx\@extratitle\@empty
23192     \ifx\@frontispiece\@empty
23193       \else
23194         \if@twoside\mbox{}\next@tpage\fi
23195         \noindent\@frontispiece\next@tdpage
23196       \fi
23197     \else
23198       \noindent\@extratitle
23199       \ifx\@frontispiece\@empty
23200         \else
23201           \next@tpage
23202           \noindent\@frontispiece
23203         \fi
23204         \next@tdpage
23205       \fi
23206     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
23207     \ifx\@titlehead\@empty \else
23208       \begin{minipage}[t]{\textwidth}%
23209         \usekomafont{titlehead}{\@titlehead\par}%
23210       \end{minipage}\par
23211     \fi
23212     \null\vfill
23213     \begin{center}
23214       \ifx\@subject\@empty \else
23215         {\usekomafont{subject}{\@subject\par}}%
23216         \vskip 3em
23217       \fi
23218       {\usekomafont{title}{\huge \@title\par}}%
23219       \vskip 1em
23220       {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
23221       \vskip 2em
23222       {%
23223         \usekomafont{author}{%
23224           \lineskip 0.75em
23225           \begin{tabular}[t]{c}
23226             \@author
23227           \end{tabular}\par

```



```

23228     }%
23229   }%
23230   \vskip 1.5em
23231   {\usekomafont{date}{\@date \par}}%
23232   \vskip \z@ \@plus3fill
23233   {\usekomafont{publishers}{\@publishers \par}}%
23234   \vskip 3em
23235 \end{center}\par
23236 \@thanks\global\let\@thanks\@empty
23237 \vfill\null
23238 \if@twoside
23239   \@tempwattrue
23240   \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
23241   \else
23242     \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
23243       \@tempwafalse
23244     \fi\fi
23245   \fi
23246   \if@tempswa
23247     \next@tpage
23248     \begin{minipage}[t]{\textwidth}
23249       \@uppertitleback
23250     \end{minipage}\par
23251     \vfill
23252     \begin{minipage}[b]{\textwidth}
23253       \@lowertitleback
23254     \end{minipage}\par
23255     \@thanks\global\let\@thanks\@empty
23256   \fi
23257 \else
23258   \ifx\@uppertitleback\@empty\else
23259     \ClassWarning{\KOMAClassName}{%
23260       non empty \string\uppertitleback\space ignored
23261       by \string\maketitle\MessageBreak
23262       in `twoside=false' mode%
23263     }%
23264   \fi
23265   \ifx\@lowertitleback\@empty\else
23266     \ClassWarning{\KOMAClassName}{%
23267       non empty \string\lowertitleback\space ignored
23268       by \string\maketitle\MessageBreak
23269       in `twoside=false' mode%
23270     }%
23271   \fi
23272 \fi
23273 \ifx\@dedication\@empty
23274 \else
23275   \next@tdpage\null\vfill
23276   {\centering\usekomafont{dedication}{\@dedication \par}}%
23277   \vskip \z@ \@plus3fill
23278   \@thanks\global\let\@thanks\@empty
23279   \cleardoubleemptypage
23280 \fi
23281 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi

```



```

23282 \end{titlepage}
23283 \else
23284 \par
23285 \@tempcnta=%
23286 #1%
23287 \relax\ifnum\@tempcnta=1\else
23288 \ClassWarning{\KOMAClassName}{%
23289 Optional argument of \string\maketitle\space ignored\MessageBreak
23290 in `titlepage=false' mode%
23291 }%
23292 \fi
23293 \ifx\@uppertitleback\@empty\else
23294 \ClassWarning{\KOMAClassName}{%
23295 non empty \string\uppertitleback\space ignored
23296 by \string\maketitle\MessageBreak
23297 in `titlepage=false' mode%
23298 }%
23299 \fi
23300 \ifx\@lowertitleback\@empty\else
23301 \ClassWarning{\KOMAClassName}{%
23302 non empty \string\lowertitleback\space ignored
23303 by \string\maketitle\MessageBreak
23304 in `titlepage=false' mode%
23305 }%
23306 \fi
23307 \begingroup
23308 \let\titlepage@restore\relax
23309 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23310 \let\@oldmakefnmark\@makefnmark
23311 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
23312 \next@tdpage
23313 \if@twocolumn
23314 \ifnum \col@number=\@ne
23315 \ifx\@extratitle\@empty
23316 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23317 \else
23318 \@makeextratitle
23319 \fi
23320 \ifx\@frontispiece\@empty
23321 \ifx\@extratitle\@empty\else\next@tdpage\fi
23322 \else
23323 \next@tpage
23324 \@makefrontispiece
23325 \next@tdpage
23326 \fi
23327 \@maketitle
23328 \else
23329 \ifx\@extratitle\@empty
23330 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23331 \else
23332 \twocolumn[\@makeextratitle]%
23333 \fi
23334 \ifx\@frontispiece\@empty
23335 \ifx\@extratitle\@empty\else\next@tdpage\fi

```



```

23336         \else
23337             \next@tpage
23338             \twocolumn[\@makefrontispiece]%
23339             \next@tdpage
23340         \fi
23341         \twocolumn[\@maketitle]%
23342     \fi
23343 \else
23344     \ifx\@extratitle\@empty
23345     \ifx\@frontispiece\@empty\else \mbox{}\fi
23346 \else
23347     \@makeextratitle
23348 \fi
23349 \ifx\@frontispiece\@empty
23350     \ifx\@extratitle\@empty\else\next@tdpage\fi
23351 \else
23352     \next@tpage
23353     \@makefrontispiece
23354     \next@tdpage
23355 \fi
23356 \@maketitle
23357 \fi
23358 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
23359 \@thanks\global\let\@thanks\@empty
23360 \endgroup
23361 \fi
23362 \setcounter{footnote}{0}%
23363 \expandafter\ifnum \cscname scr@v@3.12\endcscname>\scr@compatibility\relax
23364 \let\thanks\relax
23365 \let\LTRthanks\relax
23366 \let\RTLthanks\relax
23367 \let\maketitle\relax
23368 \let\@maketitle\relax
23369 \global\let\@thanks\@empty
23370 \global\let\@author\@empty
23371 \global\let\@date\@empty
23372 \global\let\@title\@empty
23373 \global\let\@subtitle\@empty
23374 \global\let\@extratitle\@empty
23375 \global\let\@frontispiece\@empty
23376 \global\let\@titlehead\@empty
23377 \global\let\@subject\@empty
23378 \global\let\@publishers\@empty
23379 \global\let\@uppertitleback\@empty
23380 \global\let\@lowertitleback\@empty
23381 \global\let\@dedication\@empty
23382 \global\let\author\relax
23383 \global\let\title\relax
23384 \global\let\extratitle\relax
23385 \global\let\titlehead\relax
23386 \global\let\subject\relax
23387 \global\let\publishers\relax
23388 \global\let\uppertitleback\relax
23389 \global\let\lowertitleback\relax

```



```

23390 \global\let\dedication\relax
23391 \global\let\date\relax
23392 \fi
23393 \global\let\and\relax
23394 }%
23395 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
23396 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
23397 \renewcommand*\thesection{%
23398 \thechapter\@SepMark%
23399 \@arabic\c@section
23400 }
23401 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
23402 \renewcommand*\thesubsubsection{%
23403 \thesubsection\@SepMark\@arabic\c@subsubsection
23404 }
23405 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
23406 \renewcommand*\thesubparagraph{%
23407 \theparagraph\@SepMark\@arabic\c@subparagraph
23408 }
23409 \expandafter\ifnum\scr@v@is@le{2.97d}%
23410 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
23411 \fi
23412 \expandafter\ifnum\scr@v@is@le{2.97d}%
23413 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
23414 \fi
23415 \renewcommand*\theequation{%
23416 \thechapter\@SepMark%
23417 \@arabic\c@equation
23418 }
23419 \renewenvironment{thebibliography}[1]{%
23420 \if@bib@break@
23421 \bib@beginhook
23422 \else
23423 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
23424 \setchapterpreamble{\bibpreamble}%
23425 \fi\fi
23426 \bib@heading
23427 \bib@beginhook
23428 \bib@before@hook
23429 \fi
23430 \renewcommand{\BreakBibliography}[1]{%
23431 \@bib@break
23432 \end{thebibliography}%
23433 \begingroup ##1\endgroup
23434 \begin{thebibliography}{#1}
23435 }%
23436 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
23437 \bidi@thebibliography@font@hook%
23438 \list{%
23439 \@biblabel{\@arabic\c@enumiv}%
23440 }{%
23441 \settowidth\labelwidth{\@biblabel{#1}}%
23442 \leftmargin\labelwidth
23443 \advance\leftmargin\labelsep

```



```

23444 \@openbib@code
23445 \if@bib@break@
23446 \edef\@tempa{%
23447 \noexpand\usecounter{enumiv}%
23448 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
23449 }\@tempa
23450 \no@bib@break
23451 \else
23452 \usecounter{enumiv}%
23453 \fi
23454 \let\p@enumiv\@empty
23455 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
23456 }%
23457 \sloppy\clubpenalty4000 \widowpenalty4000
23458 \sfcode`.=\@m
23459 }%
23460 \if@bib@break@
23461 \def\@noitemerr{%
23462 \@latex@warning{%
23463 \string\BreakBibliography\space at begin of `thebibliography'
23464 environment\MessageBreak
23465 or following \string\BreakBibliography}%
23466 }%
23467 \else
23468 \def\@noitemerr{%
23469 \@latex@warning{%
23470 Empty `thebibliography' environment or
23471 \string\BreakBibliography\MessageBreak
23472 before end of `thebibliography' environment}%
23473 }%
23474 \fi
23475 \endlist
23476 \if@bib@break@
23477 \else
23478 \bib@after@hook
23479 \let\bib@before@hook\@empty
23480 \let\bib@after@hook\@empty
23481 \fi
23482 \bib@endhook
23483 }
23484 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
23485 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
23486 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
23487 \renewcommand\marginline[1]{%
23488 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
23489 }
23490 \renewcommand{\@makecaption}[3]{%
23491 \cap@margin
23492 \begingroup
23493 \ifonelinecaptions
23494 \def\stepcounter##1{\advance\value{##1}\@ne}%
23495 \let\refstepcounter\stepcounter
23496 \let\label\@gobble
23497 \let\@footnotetext=\@gobble

```





```

23498 \let\@LTRfootnotetext=\@gobble
23499 \let\@RTLfootnotetext=\@gobble
23500 \let\hypertarget\@gobbletwo
23501 \edef\@xnewline{%
23502   \unexpanded{\ClassInfo{\KOMAClassName}{%
23503     Workaround for not recommended usage of \string\ or\MessageBreak
23504     \string\newline in caption text
23505     }%
23506     \hspace*{\linewidth}\hspace{1sp}%
23507     }%
23508   \unexpanded\expandafter{\@xnewline}%
23509 }%
23510 \edef\@xcentercr{%
23511   \unexpanded{\ClassInfo{\KOMAClassName}{%
23512     Workaround for not recommended usage of \string\ or\MessageBreak
23513     \string\newline in caption text
23514     }%
23515     \hspace*{\linewidth}\hspace{1sp}%
23516     }%
23517   \unexpanded\expandafter{\@xcentercr}%
23518 }%
23519 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
23520 \ifdim\@tempdima>\cap@width
23521   \aftergroup\scr@makemultilinecaption
23522 \else
23523   \aftergroup\scr@makesinglelinecaption
23524 \fi
23525 \else
23526   \aftergroup\scr@makemultilinecaption
23527 \fi
23528 \endgroup
23529 {#1}{#2}{#3}%
23530 }
23531 \renewcommand{\scr@makesinglelinecaption}[3]{%
23532   {%
23533     \usefontofkomafont{caption}{%
23534       \hb@xt@\hsize{%
23535         \cap@left
23536         \if@RTL
23537           \beginR
23538           \fi
23539         \scr@makesinglelinecaption{#1}{#2}{#3}%
23540         \if@RTL
23541           \endR
23542         \fi
23543         \cap@right
23544       }\par\kern\dp\strutbox%
23545     }%
23546   }\kern-\dp\strutbox
23547 }
23548 \renewcommand{\@makecaption}[2]{%
23549   \if@captionabove
23550     \vskip\belowcaptionskip
23551   \else

```



```

23552     \vskip\abovecaptionskip
23553 \fi
23554 \@makecaption\@firstofone{#1}{#2}%
23555 \if@captionabove
23556     \vskip\abovecaptionskip
23557 \else
23558     \vskip\belowcaptionskip
23559 \fi
23560 }
23561
23562 \renewcommand{\scr@makesinglelinecaption}[3]{%
23563     {\usekomafont{caption}{\strut\ignorespaces
23564         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23565         \ignorespaces #3\unskip}}%
23566 }
23567
23568 \renewcommand{\scr@makemultilinecaption}[3]{%
23569     {%
23570         \usefontofkomafont{caption}{%
23571             \hb@xt@\hsize{%
23572                 \cap@left
23573                 \vbox{\hsize\cap@width\linewidth\hsize
23574                     \scr@ifundefinedorrelax{@capttype}{%
23575                         \ClassWarning{\KOMAClassName}{%
23576                             '\string\caption' outside float.\MessageBreak
23577                             Seems you are using '\string\caption' outside a
23578                             float.\MessageBreak
23579                             Maybe you are using a package that uses
23580                             '\string\@makecaption'\MessageBreak
23581                             without setting '\string\@capttype' before.\MessageBreak
23582                             Because I cannot detect the caption type, I'm using\MessageBreak
23583                             the empty one.%
23584                         }%
23585                         \let\@capttype\@empty
23586                     }{}%
23587                     \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
23588                         \@nameuse{ragged\@capttype caption}%
23589                     }%
23590                 \ifdofullc@p
23591                     \@hangfrom{%
23592                         \strut
23593                         \scr@smashdp{%
23594                             #1{%
23595                                 \usekomafont{caption}{%
23596                                     \usekomafont{captionlabel}{#2\captionformat}%
23597                                 }%
23598                             }%
23599                         }%
23600                     }%
23601                     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23602                 \else
23603                     \ifdim\cap@indent<\z@
23604                         \strut
23605                         #1{%

```



```

23606         {\usekomafont{caption}{%
23607             \usekomafont{captionlabel}{#2\captionformat}%
23608         }%
23609     }\par}%
23610     \noindent{\usekomafont{caption}{%
23611         \hspace*{-\cap@indent}#3\scr@endstrut
23612     }}\par}%
23613 \else
23614     \if@capbreak
23615         \strut
23616         #1{%
23617             {\usekomafont{caption}{%
23618                 \usekomafont{captionlabel}{#2\captionformat}%
23619             }%
23620         }\par}%
23621         \noindent\@hangfrom{\hspace*{\cap@indent}}%
23622         {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23623 \else
23624     \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23625     {%
23626         \hspace*{-\cap@indent}%
23627         \scr@smashdp{%
23628             #1{\usekomafont{caption}{%
23629                 \usekomafont{captionlabel}{#2\captionformat}%
23630             }%
23631         }%
23632     }%
23633     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23634 }%
23635 \fi
23636 \fi
23637 \fi
23638 }%
23639 \cap@right
23640 }\par\kern\dp\strutbox
23641 }%
23642 }\kern-\dp\strutbox
23643 }
23644
23645
23646 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23647     \if@komalongtable
23648         \renewcommand{\LT@makecaption}[3]{%
23649             \noalign{%
23650                 \if@captionabove
23651                     \vskip\belowcaptionskip
23652                 \else
23653                     \vskip\abovecaptionskip
23654                 \fi
23655             }%
23656             \LT@ncol\LT@cols c{%
23657                 \hbox to\z@{\hss\parbox[t]\linewidth{%
23658                     \def\@capytype{table}%
23659                     \@makecaption{#1}{#2}{#3}%

```



```

23660         \endgraf
23661         \if@captionabove
23662             \vskip\abovecaptionskip
23663         \else
23664             \vskip\belowcaptionskip
23665         \fi
23666     }%
23667     \hss
23668 }%
23669 }%
23670 }%
23671 \renewcommand*{\scr@LT@array}{}%
23672 \let\scr@LT@array=\LT@array
23673 \renewcommand*{\LT@array}{%
23674     \let\scr@caption=\LT@caption
23675     \def\captionabove{\noalign{\global\@captionabovetrue}%
23676         \scr@caption}%
23677     \def\captionbelow{\noalign{\global\@captionabovetrue}%
23678         \scr@caption}%
23679     \if@tablecaptionabove
23680         \let\LT@caption=\captionabove
23681     \else
23682         \let\LT@caption=\captionbelow
23683     \fi
23684     \scr@LT@array
23685 }%
23686 \ClassInfo{\KOMAClassName}{%
23687     longtable captions redefined%
23688 }%
23689 \fi
23690 }
23691
23692 \CloneTOCEntryStyle{tocline}{part}
23693 \TOCEntryStyleStartInitCode{part}{%
23694     \expandafter\renewcommand%
23695     \csname scr@tso@#1@linefill\endcsname{\hfill}%
23696     \expandafter\renewcommand%
23697     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23698     \expandafter\renewcommand%
23699     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23700         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
23701     \expandafter\renewcommand\expandafter*%
23702     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p0}%
23703 }
23704
23705 \CloneTOCEntryStyle{tocline}{chapter}
23706 \TOCEntryStyleStartInitCode{chapter}{%
23707     \expandafter\renewcommand%
23708     \csname scr@tso@#1@linefill\endcsname{%
23709         \if@chapterentrywithdots
23710             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23711         \else
23712             \hfill
23713         \fi

```



```

23714 }%
23715 \expandafter\renewcommand%
23716 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23717 \expandafter\renewcommand%
23718 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23719   {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
23720 \expandafter\renewcommand\expandafter*%
23721 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23722 }
23723
23724 \CloneTOCEntryStyle{tocline}{section}
23725 \TOCEntryStyleStartInitCode{section}{%
23726   \expandafter\renewcommand%
23727   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23728   \expandafter\renewcommand%
23729   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23730     {\normalfont\normalcolor ##1}}%
23731 }
23732
23733 \CloneTOCEntryStyle{section}{default}
23734
23735 \DeclareSectionCommand[%
23736   style=chapter,%
23737   level=\z@,%
23738   pagestyle=plain,%
23739   tocstyle=chapter,%
23740   tocindent=\z@,%
23741   tocnumwidth=1.5em%
23742 ]{chapter}
23743 \DeclareSectionCommand[%
23744   style=section,%
23745   level=1,%
23746   indent=\z@,%
23747   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
23748   afterskip=2.3ex \@plus.2ex,%
23749   tocstyle=section,%
23750   tocindentfollows=chapter,%
23751   tocindent=1.5em,%
23752   tocnumwidth=2.3em%
23753 ]{section}
23754 \DeclareSectionCommand[%
23755   style=part,%
23756   level=\m@ne,%
23757   pagestyle=plain,%
23758   tocstyle=part,%
23759   toclevel=\m@ne,%
23760   tocindent=\z@,%
23761   tocnumwidth=2em%
23762 ]{part}
23763 \DeclareSectionCommand[%
23764   style=section,%
23765   level=2,%
23766   indent=\z@,%
23767   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%

```



```

23768 afterskip=1.5ex \@plus .2ex,%
23769 tocstyle=section,%
23770 tocindent=3.8em,%
23771 tocnumwidth=3.2em%
23772 ]{subsection}
23773 \DeclareSectionCommand[%
23774 style=section,%
23775 level=3,%
23776 indent=\z@,%
23777 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
23778 afterskip=1.5ex \@plus .2ex,%
23779 tocstyle=section,%
23780 tocindent=7.0em,%
23781 tocnumwidth=4.1em%
23782 ]{subsubsection}
23783 \DeclareSectionCommand[%
23784 style=section,%
23785 level=4,%
23786 indent=\z@,%
23787 beforekip=3.25ex \@plus1ex \@minus .2ex,%
23788 afterskip=-1em,%
23789 tocindentfollows=subsubsection,%
23790 tocstyle=section,%
23791 tocindent=10em,%
23792 tocnumwidth=5em%
23793 ]{paragraph}
23794 \DeclareSectionCommand[%
23795 style=section,%
23796 level=5,%
23797 indent=\scr@parindent,%
23798 beforekip=3.25ex \@plus1ex \@minus .2ex,%
23799 afterskip=-1em,%
23800 tocstyle=section,%
23801 tocindent=12em,%
23802 tocnumwidth=6em%
23803 ]{subparagraph}

```

## 144 File sidecap-xetex-bidi.def

```

23804 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package f
23805 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
23806 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {#2}\hspace{\sidecaptionsep}{#1}\else%
23807 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {#1}\hspace{\sidecaptionsep}{#2}\fi}
23808 \renewcommand*\SC@justify@caption{\if@RTL%
23809 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
23810 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

## 145 File soul-xetex-bidi.def

```

23811 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
23812 \long\def\SOUL@start#1{%
23813 \let\bidi@RTL@everypar\@empty
23814 \let\<\SOUL@lowerthan
23815 \let\>\empty

```



```

23816 \def\soulomit{\noexpand\soulomit}%
23817 \gdef\SOUL@eventuallyexhyphen##1{%
23818 \let\SOUL@soeventuallyskip\relax
23819 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
23820 \@minus\fontdimen4\font
23821 \SOUL@ignorespacesfalse
23822 \leavevmode
23823 \SOUL@preamble
23824 \SOUL@lasttoken={}%
23825 \SOUL@word={}%
23826 \SOUL@minus\z@
23827 \SOUL@comma\z@
23828 \SOUL@apo\z@
23829 \SOUL@grave\z@
23830 \SOUL@do{#1}%
23831 \SOUL@postamble
23832 }}
23833 \def\SOUL@ulunderline#1{%
23834 \setbox\z@\hbox{#1}%
23835 \dimen@=\wd\z@
23836 \dimen@i=\SOUL@uloverlap
23837 \advance\dimen@2\dimen@i
23838 \if@RTL
23839 \unhcopy\z@
23840 \llap{%
23841 \null
23842 \kern-\dimen@i
23843 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
23844 }%
23845 \else
23846 \rlap{%
23847 \null
23848 \kern-\dimen@i
23849 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
23850 }%
23851 \unhcopy\z@
23852 \fi
23853 }}
23854 \def\bidi@SOUL@ulleaders{%
23855 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\r
23856 }
23857 \def\SOUL@uleveryspace#1{%
23858 \if@RTL
23859 #1%
23860 \bidi@SOUL@ulleaders
23861 \hskip\spaceskip
23862 \else
23863 \SOUL@ulcolor{%
23864 #1%
23865 \SOUL@ulleaders
23866 \hskip\spaceskip
23867 }%
23868 \fi
23869 \null

```



23870 }

## 146 File stabular-xetex-bidi.def

```
23871 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
23872 \def\@stabular{%
23873   \leavevmode \bgroup \if@RTLtab\beginR \fi
23874   \let\@acol\@tabacol
23875   \let\@classz\@tabclassz
23876   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
23877 \def\endstabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
23878   \egroup \if@RTLtab\endR\fi\egroup}
23879 \expandafter \let \csname endstabular*\endcsname = \endstabular
23880 \def\@sarray[#1]#2{%
23881   \bgroup
23882   \setbox\@arstrutbox\hbox{%
23883     \vrule \@height\arraystretch\ht\strutbox
23884     \@depth\arraystretch \dp\strutbox
23885     \@width\z@}%
23886   \mkpream{#2}%
23887   \edef\@preamble{%
23888     \ialign \noexpand\@halignto
23889       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
23890   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
23891   \let\@tabularnewline\%
23892   \let\@sharp##%
23893   \set@typeset@protect
23894   \lineskip\z@skip\baselineskip\z@skip
23895   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
23896   \@preamble}
```

## 147 File subfigure-xetex-bidi.def

```
23897 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure packa
23898 \AtBeginDocument{%
23899 \let\p@subfigure=\thefigure
23900 \let\p@subtable=\thetable%
23901 }
```

## 148 File tabs-xetex-bidi.def

```
23902 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for X
23903 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
23904
23905 \expandafter\let\csname endtabular*\endcsname=\endtabular
23906
23907 \def\endarray{\ifvmode\csname crrc\endcsname % just do \crrc if \ given
23908 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
23909 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
23910
23911 \def\@array[#1]#2{% remember global variables to allow recursion:
23912 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
23913   \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
23914 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep}
```





```

23915 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
23916 \else \let\@tarlinesep\tablinesep \fi
23917 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
23918 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
23919 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
23920 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
23921   \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
23922   \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
23923 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
23924   \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
23925 \let\protect\noexpand
23926 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
23927 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
23928 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
23929 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
23930 \bgroup \let\par\empty
23931 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
23932 \advance\extrarulesep.5\arrayrulewidth
23933 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
23934 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
23935 \@preamble}

```

## 149 File tabularx-xetex-bidi.def

```

23936 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
23937 \def\TX@endtabularx{%
23938   \expandafter\expandafter\expandafter
23939     \TX@find@endtabularxa\csname end\TX@\endcsname
23940     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
23941   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
23942   \let\verb\TX@verb
23943   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
23944   \edef\TX@ckpt{\cl@ckpt}%
23945   \let\@elt\relax
23946   \TX@old@table\maxdimen
23947   \TX@col@width\TX@target
23948   \global\TX@cols\@ne
23949   \TX@typeout@
23950     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
23951   \TX@trial{\def\NC@rewriteX{%
23952     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
23953   \loop
23954     \TX@arith
23955     \ifTX@
23956     \TX@trial{%
23957   \repeat
23958     {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
23959     \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
23960     \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
23961     \csname tabular*\expandafter\endcsname\expandafter\TX@target
23962     \the\toks@
23963     \csname endtabular*\endcsname}%
23964   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
23965   \ifnum0=\fi}%

```



```

23966 \expandafter\expandafter\expandafter
23967 \TX@find@endtabularxbb
23968 \expandafter\end\expandafter{\TX@}%
23969 \endtabularx\TX@\endtabularx\TX@find@endtabularx
23970 }
23971
23972 \def\TX@trial#1{%
23973 \setbox\@tempboxa\hbox{%
23974 #1\relax
23975 \let\@footnotetext\TX@trial@ftn
23976 \let\@LTRfootnotetext\TX@trial@ftn
23977 \let\@RTLfootnotetext\TX@trial@ftn
23978 \let\TX@vwarn\@empty
23979 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
23980 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
23981 \def\write{\begingroup
23982 \def\let{\afterassignment\endgroup\toks@}%
23983 \afterassignment\let\count@}%
23984 \hbadness\@M
23985 \hfuzz\maxdimen
23986 \let\hbadness\@tempcnta
23987 \let\hfuzz\@tempdima
23988 \expandafter\tabular\the\toks@
23989 \endtabular}%
23990 \TX@ckpt
23991 \TX@typeout@{\@spaces
23992 \expandafter\TX@align
23993 \the\wd\@tempboxa\space\space\space\space\space\@
23994 \expandafter\TX@align
23995 \the\TX@col@width\space\space\space\space\space\@
23996 \@spaces\the\TX@cols}}
23997
23998 \long\def\TX@LTRftntext#1{%
23999 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
24000 [\the\csname c@\@mpfn\endcsname]}%
24001 \global\TX@ftn\expandafter{\@tempa{#1}}}%
24002 \long\def\TX@xLTRftntext[#1]#2{%
24003 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
24004
24005 \long\def\TX@RTLftntext#1{%
24006 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
24007 [\the\csname c@\@mpfn\endcsname]}%
24008 \global\TX@ftn\expandafter{\@tempa{#1}}}%
24009 \long\def\TX@xRTLftntext[#1]#2{%
24010 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

## 150 File tabulary-xetex-bidi.def

```

24011 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
24012 \def\@testpach{\@chclass
24013 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
24014 \ifnum \@lastchclass=7 5 \else
24015 \ifnum \@lastchclass=8 \tw@ \else
24016 \ifnum \@lastchclass=9 \thr@@

```



```

24017 \else \z@
24018 \ifnum \@lastchclass = 10 \else
24019 \edef\@nextchar{\expandafter\string\@nextchar}%
24020 \@chnum
24021 \if \@nextchar c\z@ \else
24022 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
24023 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
24024 \if \@nextchar C7 \else
24025 \if \@nextchar L8 \else
24026 \if \@nextchar R9 \else
24027 \if \@nextchar J10 \else
24028 \z@ \@chclass
24029 \if\@nextchar |\@ne \else
24030 \if \@nextchar !6 \else
24031 \if \@nextchar @7 \else
24032 \if \@nextchar <8 \else
24033 \if \@nextchar >9 \else
24034 10
24035 \@chnum
24036 \if \@nextchar m\thr@@\else
24037 \if \@nextchar p4 \else
24038 \if \@nextchar b5 \else
24039 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
24040 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

## 151 File tc-xetex-bidi.def

```

24041 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
24042 \def\@cliptoboxdim#1{%
24043 \setbox#1=\hbox{%
24044 \Gin@defaultbp\WIDTH{\wd#1}%
24045 \Gin@defaultbp\DEPTH{\dp#1}%
24046 \@tempdima\ht#1%
24047 \advance\@tempdima\dp#1%
24048 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
24049 \beginL\special{pdf:bcontent }%
24050 \special{%
24051 pdf:literal direct
24052 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
24053 }%
24054 \special{pdf:literal direct W }%
24055 \special{pdf:literal direct n }%
24056 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
24057 \special{pdf:econtent }\endL%
24058 }%
24059 }

```

## 152 File tcolorbox-xetex-bidi.def

```

24060 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
24061 \let\endtcbox@lrbox=\endminipage
24062 \let\endtcbox@savebox=\endtcbox@lrbox
24063
24064 \bidi@patchcmd{\tcbox@vbox}{%

```



```

24065 \let\@footnotetext\@mpfootnotetext%
24066 }{%
24067 \let\@footnotetext\@mpfootnotetext%
24068 \let\@LTRfootnotetext\@mpLTRfootnotetext%
24069 \let\@RTLfootnotetext\@mpRTLfootnotetext%
24070 }{}{}
24071
24072 \bidi@patchcmd{\endtcbox}{%
24073 \footnoterule%
24074 }{%
24075 \bidi@mpfootnoterule%
24076 }{}{}
24077 \bidi@apptocmd\tcb@icolorbox{%
24078 \@bidi@list@minipage@parboxfalse
24079 }{}{}

```

## 153 File titlesec-xetex-bidi.def

```

24080 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
24081 \renewcommand\filright{%
24082 \gdef\ttl@filleft##1{\hskip##1}%
24083 \gdef\ttl@filright##1{\hfill}%
24084 \let\\\@centercr
24085 \advance\rightskip\z@ \@plus 1fil
24086 \parfillskip\z@}
24087 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
24088 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
24089 \setlength\leftskip{#6}%
24090 \setlength\rightskip{#7}%
24091 \interlinepenalty\@M
24092 \ttl@changecentercr
24093 \ttl@beginlongest
24094 #1{\ifhmode\ttl@hmode@error\fi
24095 \ttl@glcmds
24096 \parindent\z@
24097 \leavevmode
24098 \begingroup
24099 \ifttl@label
24100 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
24101 \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
24102 \llap{\box\z@}%
24103 \fi
24104 #4{#8}%
24105 \kern\z@\strut\@par
24106 \endgroup
24107 \nobreak\ttl@midlongest#5\@par}%
24108 \ttl@endlongest}

```

## 154 File titletoc-xetex-bidi.def

```

24109 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
24110 \renewcommand\filright{%
24111 \gdef\ttl@filleft##1{\hskip##1}%
24112 \gdef\ttl@filright##1{\hfill}%

```



```

24113 \let\\@centercr
24114 \advance\rightskip\z@ \@plus 1fil
24115 \parfillskip\z@}
24116 \renewcommand\contentspush[1]{%
24117 \sbox\z@{#1}%
24118 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
24119 \aftergroup\ttl@b
24120 \leavevmode\llap{\box\z@}}
24121 \def\ttl@outnoblock#1#2#3{%
24122 \begingroup
24123 \ifnum\ttl@b>\ttl@a
24124 \nobreak
24125 \else\ifnum\ttl@b<\ttl@a
24126 \addpenalty{\@secpenalty}%
24127 \else
24128 \addpenalty{\z@}%
24129 \fi\fi
24130 \ttl@contentsstretch
24131 \nobreak
24132 \ifcase#1\relax\else\interlinepenalty\@M\fi
24133 \parindent\z@
24134 \ifx@nil#2%
24135 \PackageError{titletoc}{Unimplemented}%
24136 {The optional argument is currently mandatory}%
24137 \else
24138 \if@RTL\setlength\rightskip{#2}\else
24139 \setlength\leftskip{#2}\fi%
24140 \fi
24141 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
24142 \let\contentsmargin\ttl@margin
24143 \def\ttl@makeline##1{##1}%
24144 #3%
24145 \addtolength{\parfillskip}{-\ttl@corr}%
24146 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
24147 \let\ttl@leaders\leaders}
24148 \renewcommand\ttl@margin[2][\z@]{%
24149 \def\ttl@corr{#1}%
24150 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
24151 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
24152 \def\@pnumwidth{#2}}
24153 \let\ttl@savel@part\l@part
24154 \def\l@part{\ttl@lselect{part}}
24155
24156 \let\ttl@savel@chapter\l@chapter
24157 \def\l@chapter{\ttl@lselect{chapter}}

```

## 155 File tocbibind-xetex-bidi.def

```

24158 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind packa
24159 \if@dotocbib
24160 \@ifpackageloaded{natbib}{-}{% natbib not loaded
24161 \renewcommand{\bibsection}{\t@cb@bchapsec}
24162 \renewenvironment{thebibliography}[1]{%
24163 \bibsection

```



```

24164     \begin{thebibitemlist}{#1}{\end{thebibitemlist}}
24165 \renewenvironment{thebibitemlist}[1]{
24166   \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
24167   \bidi@thebibliography@font@hook%
24168   \list{\@biblabel{\@arabic\c@enumiv}}%
24169     {\settoheight\labelwidth{\@biblabel{#1}}%
24170     \leftmargin\labelwidth
24171     \advance\leftmargin\labelsep
24172     \@openbib@code
24173     \usecounter{enumiv}%
24174     \let\p@enumiv\@empty
24175     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
24176   \sloppy
24177   \clubpenalty4000
24178   \@clubpenalty \clubpenalty
24179   \widowpenalty4000%
24180   \sfcode`..\@m}
24181   {\def\@noitemerr
24182     {\@latex@warning{Empty `thebibliography' environment}}}%
24183   \endlist}
24184
24185 \ifpackagewith{chapterbib}{sectionbib}%
24186   {\renewcommand{\sectionbib}[2]{}%
24187   {}
24188
24189 \fi
24190 \if@inltxdoc\else
24191   \renewenvironment{theindex}%
24192     {\if@twocolumn
24193       \@restonecolfalse
24194       \else
24195         \@restonecoltrue
24196       \fi
24197     \if@bibchapter
24198       \if@donumindex
24199         \refstepcounter{chapter}
24200         \twocolumn[\vspace*{2\topskip}%
24201           \@makechapterhead{\indexname}]}%
24202         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
24203         \chaptermark{\indexname}
24204       \else
24205         \if@dotocind
24206           \twocolumn[\vspace*{2\topskip}%
24207             \@makeschapterhead{\indexname}]}%
24208           \prw@mkboth{\indexname}
24209           \addcontentsline{toc}{chapter}{\indexname}
24210         \else
24211           \twocolumn[\vspace*{2\topskip}%
24212             \@makeschapterhead{\indexname}]}%
24213           \prw@mkboth{\indexname}
24214         \fi
24215       \fi
24216     \else
24217       \if@donumindex

```



```

24218         \twocolumn[\vspace*{-1.5\topskip}%
24219             \@nameuse{\@tocextra}{\indexname}]]%
24220         \csname \@tocextra mark\endcsname{\indexname}
24221     \else
24222         \if@dotocind
24223             \twocolumn[\vspace*{-1.5\topskip}%
24224                 \toc@headstar{\@tocextra}{\indexname}]]%
24225             \prw@mkboth{\indexname}
24226             \addcontentsline{toc}{\@tocextra}{\indexname}
24227         \else
24228             \twocolumn[\vspace*{-1.5\topskip}%
24229                 \toc@headstar{\@tocextra}{\indexname}]]%
24230             \prw@mkboth{\indexname}
24231         \fi
24232     \fi
24233 \fi
24234 \thispagestyle{plain}\parindent\z@
24235 \parskip\z@ \@plus .3p@\relax
24236 \let\item\@idxitem}
24237 {\if@restonecol\onecolumn\else\clearpage\fi}
24238 \fi

```

## 156 File `tocloft-xetex-bidi.def`

```

24239 \ProvidesFile{tocloft-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for tocloft package f
24240 \renewcommand{\cftpnumalign}{\if@RTL l\else r\fi}
24241 \let\cftdot\@SepMark
24242 \if@cfthaspart
24243 \renewcommand*{\l@part}[2]{
24244     \@cftdopartfalse
24245     \ifnum \c@tocdepth >-2\relax
24246         \if@cfthaschapter
24247             \@cftdoparttrue
24248         \fi
24249         \ifnum \c@tocdepth >\m@ne
24250             \if@cfthaschapter\else
24251                 \@cftdoparttrue
24252             \fi
24253         \fi
24254     \fi
24255     \if@cftdopart
24256         \if@cfthaschapter
24257             \addpenalty{-\@highpenalty}
24258         \else
24259             \addpenalty\@secpenalty
24260         \fi
24261         \addvspace{\cftbeforepartskip}
24262         \begingroup
24263         {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
24264         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24265         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24266         \parindent \cftpartindent\relax\@afterindenttrue
24267         \interlinepenalty\@M
24268         \leavevmode

```



```

24269     \@tempdima \cftpartnumwidth\relax
24270     \let\@cftbsnum \cftpartpresnum
24271     \let\@cftasnum \cftpartaftersnum
24272     \let\@cftasnumb \cftpartaftersnumb
24273     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24274     {\cftpartfont \cftpartpresnum #1}
24275     \cftpartfillnum{#2}}
24276     \nobreak
24277     \if@cfthaschapter
24278         \global\@nobreaktrue
24279         \everypar{\global\@nobreakfalse\everypar{}}
24280     \else
24281         \if@compatibility
24282             \global\@nobreaktrue
24283             \everypar{\global\@nobreakfalse\everypar{}}
24284         \fi
24285     \fi
24286 \endgroup
24287 \fi}
24288 \fi
24289 \if@cfthaschapter
24290 \renewcommand*{\l@chapter}[2]{
24291     \ifnum \c@tocdepth >\m@ne
24292         \addpenalty{-\@highpenalty}
24293         \vskip \cftbeforechapskip
24294         {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
24295         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24296         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24297         \parindent \cftchapindent\relax\@afterindenttrue
24298         \interlinepenalty\@M
24299         \leavevmode
24300         \@tempdima \cftchapnumwidth\relax
24301         \let\@cftbsnum \cftchappresnum
24302         \let\@cftasnum \cftchapaftersnum
24303         \let\@cftasnumb \cftchapaftersnumb
24304         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24305         {\cftchapfont #1}\nobreak
24306         \cftchapfillnum{#2}}
24307     \fi}
24308 \fi
24309 \renewcommand*{\l@section}[2]{%
24310     \ifnum \c@tocdepth >\z@
24311         \if@cfthaschapter
24312             \vskip \cftbeforeseccskip
24313         \else
24314             \addpenalty\@secpenalty
24315             \addvspace{\cftbeforeseccskip}
24316         \fi
24317         {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
24318         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24319         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24320         \parindent \cftsecindent\relax\@afterindenttrue
24321         \interlinepenalty\@M
24322         \leavevmode

```





```

24323 \@tempdima \cftsecnumwidth\relax
24324 \let\@cftbsnum \cftsecpresnum
24325 \let\@cftasnum \cftsecaftersnum
24326 \let\@cftasnumb \cftsecaftersnumb
24327 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24328 {\cftsecfont #1}\nobreak
24329 \cftsecfillnum{#2}}
24330 \fi}
24331 \renewcommand*\l@section}[2]{%
24332 \ifnum \c@tocdepth >\@ne
24333 \vskip \cftbeforesubsecskip
24334 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
24335 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24336 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24337 \parindent \cftsubsecindent\relax\@afterindenttrue
24338 \interlinepenalty\@M
24339 \leavevmode
24340 \@tempdima \cftsubsecnumwidth\relax
24341 \let\@cftbsnum \cftsubsecpresnum
24342 \let\@cftasnum \cftsubsecaftersnum
24343 \let\@cftasnumb \cftsubsecaftersnumb
24344 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24345 {\cftsubsecfont #1}\nobreak
24346 \cftsubsecfillnum{#2}}
24347 \fi}
24348 \renewcommand*\l@subsubsection}[2]{%
24349 \ifnum \c@tocdepth >\tw@
24350 \vskip \cftbeforesubsubsecskip
24351 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
24352 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24353 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24354 \parindent \cftsubsubsecindent\relax\@afterindenttrue
24355 \interlinepenalty\@M
24356 \leavevmode
24357 \@tempdima \cftsubsubsecnumwidth\relax
24358 \let\@cftbsnum \cftsubsubsecpresnum
24359 \let\@cftasnum \cftsubsubsecaftersnum
24360 \let\@cftasnumb \cftsubsubsecaftersnumb
24361 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24362 {\cftsubsubsecfont #1}\nobreak
24363 \cftsubsubsecfillnum{#2}}
24364 \fi}
24365 \renewcommand*\l@paragraph}[2]{%
24366 \ifnum \c@tocdepth >3\relax
24367 \vskip \cftbeforeparaskip
24368 {\if@RTL\rightskip\else\leftskip\fi \cftparindent\relax
24369 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24370 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24371 \parindent \cftparindent\relax\@afterindenttrue
24372 \interlinepenalty\@M
24373 \leavevmode
24374 \@tempdima \cftparanumwidth\relax
24375 \let\@cftbsnum \cftparapresnum
24376 \let\@cftasnum \cftparaaftersnum

```



```

24377 \let\@cftasnumb \cftparaaftersnumb
24378 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24379 {\cftparafont #1}\nobreak
24380 \cftparafillnum{#2}}
24381 \fi}
24382 \renewcommand*\l@subparagraph}[2]{%
24383 \ifnum \c@tocdepth >4\relax
24384 \vskip \cftbeforesubparaskip
24385 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
24386 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24387 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24388 \parindent \cftsubparaindent\relax\@afterindenttrue
24389 \interlinepenalty\@M
24390 \leavevmode
24391 \@tempdima \cftsubparanumwidth\relax
24392 \let\@cftbsnum \cftsubparapresnum
24393 \let\@cftasnum \cftsubparaaftersnum
24394 \let\@cftasnumb \cftsubparaaftersnumb
24395 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24396 {\cftsubparafont #1}\nobreak
24397 \cftsubparafillnum{#2}}
24398 \fi}
24399 \renewcommand*\l@figure}[2]{%
24400 \ifnum \c@lofdepth >\z@
24401 \vskip \cftbeforefigskip
24402 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
24403 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24404 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24405 \parindent \cftfigindent\relax\@afterindenttrue
24406 \interlinepenalty\@M
24407 \leavevmode
24408 \@tempdima \cftfignumwidth\relax
24409 \let\@cftbsnum \cftfigpresnum
24410 \let\@cftasnum \cftfigaftersnum
24411 \let\@cftasnumb \cftfigaftersnumb
24412 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24413 {\cftfigfont #1}\nobreak
24414 \cftfigfillnum{#2}}
24415 \fi
24416 }
24417 \renewcommand*\l@table}[2]{%
24418 \ifnum \c@lotdepth >\z@
24419 \vskip \cftbeforetabskip
24420 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
24421 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24422 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24423 \parindent \cfttabindent\relax\@afterindenttrue
24424 \interlinepenalty\@M
24425 \leavevmode
24426 \@tempdima \cfttabnumwidth\relax
24427 \let\@cftbsnum \cfttabpresnum
24428 \let\@cftasnum \cfttabaftersnum
24429 \let\@cftasnumb \cfttabaftersnumb
24430 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right

```



```

24431     {\cfttabfont #1}\nobreak
24432     \cfttabfillnum{#2}}
24433   \fi
24434 }
24435 \renewcommand{\@cftl@subfig}{
24436 \renewcommand*\@l@subfigure}[2]{%
24437   \ifnum \c@lofdepth > \toclevel@subfigure
24438     \vskip \cftbeforesubfigskip
24439     {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
24440     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24441     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24442     \parindent \cftsubfigindent\relax\@afterindenttrue
24443     \interlinepenalty\@M
24444     \leavevmode
24445     \@tempdima \cftsubfignumwidth\relax
24446     \let\@cftbsnum \cftsubfigpresnum
24447     \let\@cftasnum \cftsubfigaftersnum
24448     \let\@cftasnumb \cftsubfigaftersnumb
24449     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24450     {\cftsubfigfont ##1}\nobreak
24451     \cftsubfigfillnum{##2}}
24452   \fi
24453 }
24454 }
24455 \renewcommand{\@cftl@subtab}{
24456 \renewcommand*\@l@subtable}[2]{%
24457   \ifnum \c@lotdepth > \toclevel@subtable
24458     \vskip \cftbeforesubtabskip
24459     {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
24460     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24461     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24462     \parindent \cftsubtabindent\relax\@afterindenttrue
24463     \interlinepenalty\@M
24464     \leavevmode
24465     \@tempdima \cftsubtabnumwidth\relax
24466     \let\@cftbsnum \cftsubtabpresnum
24467     \let\@cftasnum \cftsubtabaftersnum
24468     \let\@cftasnumb \cftsubtabaftersnumb
24469     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24470     {\cftsubtabfont ##1}\nobreak
24471     \cftsubtabfillnum{##2}}
24472   \fi
24473 }
24474 }
24475 \renewcommand{\newlistentry}[4][\@empty]{%
24476   \@ifundefined{c@#2}{%      check & set the counter
24477     \ifx \@empty#1\relax
24478       \newcounter{#2}
24479     \else
24480       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
24481         {#1 has no counter for use as a `within'}}
24482       \newcounter{#2}}%
24483   {\newcounter{#2}[#1]%
24484     \expandafter\edef\csname the#2\endcsname{%

```



```

24485     \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
24486     \fi
24487     \setcounter{#2}{0}
24488 }
24489 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
24490
24491 \@namedef{l@#2}##1##2{%
24492     \ifnum \@nameuse{c@#3depth} > #4\relax
24493     \vskip \@nameuse{cftbefore#2skip}
24494     {\ifRTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
24495     \ifRTL\leftskip\else\rightskip\fi \@toctrmarg
24496     \parfillskip -\ifRTL\leftskip\else\rightskip\fi
24497     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
24498     \interlinepenalty\@M
24499     \leavevmode
24500     \@tempdima \@nameuse{cft#2numwidth}\relax
24501     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
24502     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
24503     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
24504     \advance\ifRTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\ifRTL\right
24505     {\@nameuse{cft#2font}##1}\nobreak
24506     \@nameuse{cft#2fillnum}{##2}}
24507     \fi
24508 } % end of \l@#2
24509
24510 \expandafter\newlength\csname cftbefore#2skip\endcsname
24511 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
24512 \expandafter\newlength\csname cft#2indent\endcsname
24513 \expandafter\newlength\csname cft#2numwidth\endcsname
24514 \ifcase #4\relax % 0
24515     \setlength{\@nameuse{cft#2indent}}{0em}
24516     \setlength{\@nameuse{cft#2numwidth}}{1.5em}
24517 \or % 1
24518     \setlength{\@nameuse{cft#2indent}}{1.5em}
24519     \setlength{\@nameuse{cft#2numwidth}}{2.3em}
24520 \or % 2
24521     \setlength{\@nameuse{cft#2indent}}{3.8em}
24522     \setlength{\@nameuse{cft#2numwidth}}{3.2em}
24523 \or % 3
24524     \setlength{\@nameuse{cft#2indent}}{7.0em}
24525     \setlength{\@nameuse{cft#2numwidth}}{4.1em}
24526 \else % anything else
24527     \setlength{\@nameuse{cft#2indent}}{10.0em}
24528     \setlength{\@nameuse{cft#2numwidth}}{5.0em}
24529 \fi
24530 \@namedef{cft#2font}{\normalfont}
24531 \@namedef{cft#2presnum}{-}
24532 \@namedef{cft#2aftersnum}{-}
24533 \@namedef{cft#2aftersnumb}{-}
24534 \@namedef{cft#2dotsep}{\cftdotsep}
24535 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
24536 \@namedef{cft#2pagefont}{\normalfont}
24537 \@namedef{cft#2afterpnum}{-}
24538 \@namedef{toclevel@#2}{#4}

```



```

24539 \@namedef{cft#2fillnum}##1{%
24540   {\@nameuse{cft#2leader}}\nobreak
24541   \hb@xt@{\@pnumwidth{\hfil\@nameuse{cft#2pagefont}}##1}\@nameuse{cft#2afterpnum}\par}
24542 } % end \newlistentry
24543 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
24544   {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
24545   \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
24546   \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
24547   \textit{#1}\protect\par}}}

```

## 157 File tocbasic-xetex-bidi.def

```

24548 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic package]
24549 \bidi@undef\scr@dte@def@l@undottedtocline
24550 \bidi@undef\scr@dte@undottedtocline@init
24551 \DeclareTOCEntryStyle{undottedtocline}[{%
24552   \DefineTOCEntryLengthOption{indent}%
24553   {scr@tso@}{@indent}{entry indent}%
24554   \DefineTOCEntryLengthOption{numwidth}%
24555   {scr@tso@}{@numwidth}{entry number width}%
24556   \@ifundefined{#1tocdepth}{%
24557     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24558       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24559         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24560           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24561             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24562               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24563                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24564                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24565                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24566                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
24567                       \csname #1numdepth\endcsname
24568                     }%
24569                   }%
24570                 }%
24571               }%
24572             }%
24573           }%
24574         }%
24575       }%
24576     }%
24577   }{%
24578   \@ifundefined{scr@tso@#1@indent}{%
24579     \@ifundefined{scr@#1@tocindent}{%
24580       \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24581         \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24582           \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24583             \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24584               \scr@ifundefinedorrelax{l@chapter}{%
24585                 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24586                   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24587                     \Ifstr{#1}{subsubsection}{%
24588                       \@namedef{scr@tso@#1@indent}{3.8em}}%
24589                   }{%

```



```

24590         \Ifstr{#1}{paragraph}{%
24591             \@namedef{scr@tso@#1@indent}{7em}%
24592         }{%
24593             \Ifstr{#1}{subparagraph}{%
24594                 \@namedef{scr@tso@#1@indent}{10em}%
24595             }{%
24596                 }%
24597             }%
24598         }%
24599     }%
24600 }{%
24601 }{%
24602     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24603         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24604             \Ifstr{#1}{subsubsection}{%
24605                 \@namedef{scr@tso@#1@indent}{7.0em}%
24606             }{%
24607                 \Ifstr{#1}{paragraph}{%
24608                     \@namedef{scr@tso@#1@indent}{10em}%
24609                 }{%
24610                     \Ifstr{#1}{subparagraph}{%
24611                         \@namedef{scr@tso@#1@indent}{12em}%
24612                     }{%
24613                         }%
24614                     }%
24615                 }%
24616             }%
24617         }%
24618     }%
24619 }%
24620 }%
24621 }%
24622 }%
24623 }{%
24624     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24625 }%
24626 }-}%
24627 \@ifundefined{scr@tso@#1@numwidth}{%
24628     \@ifundefined{scr@#1@tocnumwidth}{%
24629         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24630             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24631                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24632                     \scr@ifundefinedorrelax{chapter}{%
24633                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24634                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24635                                 \Ifstr{#1}{subsubsection}{%
24636                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
24637                                 }{%
24638                                     \Ifstr{#1}{paragraph}{%
24639                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
24640                                     }{%
24641                                         \Ifstr{#1}{subparagraph}{%
24642                                             \@namedef{scr@tso@#1@numwidth}{5m}%
24643                                         }{%

```



```

24644         }%
24645     }%
24646 }%
24647 }%
24648 }%
24649 }{
24650     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{
24651     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{
24652     \Ifstr{#1}{subsubsection}{
24653     \@namedef{scr@tso@#1@numwidth}{3.1em}}
24654     }{
24655     \Ifstr{#1}{paragraph}{
24656     \@namedef{scr@tso@#1@numwidth}{5em}}
24657     }{
24658     \Ifstr{#1}{subparagraph}{
24659     \@namedef{scr@tso@#1@numwidth}{6em}}
24660     }{
24661     }%
24662     }%
24663     }%
24664     }%
24665     }%
24666     }%
24667     }%
24668     }%
24669     }%
24670     }{
24671     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
24672     }%
24673     }{}}%
24674 }]}{
24675 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
24676 \ifnum \@nameuse{#1tocdepth}<\@ne
24677 \scr@ifundefinedorrelax{chapter}{
24678 \addpenalty\@secpenalty
24679 \advspace{1.0em \@plus\p@}}
24680 }{
24681 \addpenalty{-\@highpenalty}}
24682 \vskip 1.0em \@plus\p@
24683 }%
24684 \else
24685 \addpenalty\@secpenalty
24686 \advspace{1.0em \@plus\p@}}
24687 \fi
24688 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
24689 \begingroup
24690 \parindent \z@ \bidi@rightskip \@pnumwidth
24691 \parfillskip -\@pnumwidth
24692 \leavevmode
24693 \bfseries
24694 \advance\bidi@leftskip\@tempdima
24695 \Iftocfeature{\@currext}{noindent}{
24696 \hskip -\bidi@leftskip
24697 }{

```



```

24698     \advance\bidil@leftskip\@nameuse{scr@tso@#1@indent}%
24699     \hskip -\dimexpr \bidil@leftskip-\@nameuse{scr@tso@#1@indent}\relax
24700   }%
24701   ##1%
24702   \nobreak
24703   \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24704   \par
24705   \penalty\@highpenalty
24706   \endgroup
24707   \fi
24708 }
24709
24710 \bidi@undef\scr@dte@def@l@targetocline
24711 \bidi@undef\scr@dte@largetocline@init
24712 \DeclareTOCEntryStyle{largetocline}[{%
24713   \DefineTOCEntryLengthOption{indent}%
24714     {scr@tso@}{@indent}{entry indent}%
24715   \@ifundefined{#1tocdepth}{%
24716     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24717     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24718     \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24719     \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24720     \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24721     \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24722     \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24723     \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24724     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24725     \expandafter\let\csname #1tocdepth\expandafter\endcsname
24726     \csname #1numdepth\endcsname
24727     }%
24728     }%
24729     }%
24730     }%
24731     }%
24732     }%
24733     }%
24734     }%
24735     }%
24736   }{}%
24737   \@ifundefined{scr@tso@#1@indent}{%
24738     \@ifundefined{scr@#1@tocindent}{%
24739       \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24740       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24741       \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24742       \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24743         \scr@ifundefinedorrelax{l@chapter}{%
24744           \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24745           \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24746           \Ifstr{#1}{subsubsection}{%
24747             \@namedef{scr@tso@#1@indent}{3.8em}}%
24748           }{%
24749             \Ifstr{#1}{paragraph}{%
24750               \@namedef{scr@tso@#1@indent}{7em}}%
24751           }{%

```





```

24752         \Ifstr{#1}{subparagraph}{%
24753             \@namedef{scr@tso@#1@indent}{10em}%
24754         }{%
24755             }%
24756         }%
24757     }%
24758 }%
24759 }%
24760 }{%
24761     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24762     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24763     \Ifstr{#1}{subsubsection}{%
24764         \@namedef{scr@tso@#1@indent}{7.0em}%
24765     }{%
24766         \Ifstr{#1}{paragraph}{%
24767             \@namedef{scr@tso@#1@indent}{10em}%
24768         }{%
24769             \Ifstr{#1}{subparagraph}{%
24770                 \@namedef{scr@tso@#1@indent}{12em}%
24771             }{%
24772                 }%
24773             }%
24774         }%
24775     }%
24776     }%
24777     }%
24778     }%
24779     }%
24780     }%
24781     }%
24782     }{%
24783         \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24784     }%
24785     }{}%
24786 }}{%
24787     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
24788         \ifnum \@nameuse{#1tocdepth}<\@ne
24789             \scr@ifundefinedorrelax{chapter}{%
24790                 \addpenalty\@secpenalty
24791                 \addvspace{2.25em \@plus\p@}%
24792             }{%
24793                 \addpenalty{-\@highpenalty}%
24794                 \addvspace{2.25em \@plus\p@}%
24795             }%
24796         \else
24797             \addpenalty\@secpenalty
24798             \addvspace{2.25em \@plus\p@}%
24799         \fi
24800         \setlength\@tempdima{3em}%
24801         \begingroup
24802             \parindent \z@ \bidi@rightskip \@pnumwidth
24803             \parfillskip -\@pnumwidth
24804             \leavevmode
24805             \large

```



```

24806 \bfseries
24807 \iftocfeature{\@currentt}{noindent}{%
24808 }{%
24809 \advance\bidileftskip\@nameuse{scr@tso@#1@indent}%
24810 }%
24811 ##1%
24812 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24813 \par
24814 \nobreak
24815 \ifnum 0=
24816 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
24817 \global\@nobreaktrue
24818 \everypar{\global\@nobreakfalse\everypar{}}%
24819 \fi
24820 \endgroup
24821 \fi
24822 }
24823
24824 \renewcommand*{\scr@dte@tocline}[3]{%
24825 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
24826 \else
24827 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
24828 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
24829 \@nameuse{Ifscr@tso@#1@dynindent}{%
24830 \expandafter\ifx\csname scr@tso@#1@indentfollows\endcsname\@empty
24831 \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
24832 \else
24833 \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
24834 \@for \reserved@a:=\reserved@a\do {%
24835 \scr@trim@spaces\reserved@a
24836 \ifx\reserved@a\@empty\else
24837 \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
24838 }{%
24839 \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
24840 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
24841 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
24842 \scr@ifundefinedorrelax
24843 {scr@dte@\reserved@a @lastmaxnumwidth}{%
24844 \advance\@tempdima
24845 \@nameuse{scr@tso@\reserved@a @numwidth}}\relax
24846 }{%
24847 \advance\@tempdima
24848 \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
24849 }%
24850 }{%
24851 \advance\@tempdima
24852 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
24853 }%
24854 \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
24855 \expandafter\edef\csname scr@tso@#1@indent\endcsname
24856 {\the\@tempdima}%
24857 \fi
24858 \fi
24859 }%

```



```

24860         \fi
24861     }%
24862     \fi
24863 }{}%
24864 {%
24865     \iftocfeature{\@currentt}{noindent}{%
24866         \bidi@leftskip \z@
24867     }{%
24868         \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
24869     }%
24870     \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
24871     \parfillskip -\bidi@rightskip
24872     \@nameuse{Ifscr@tso@#1@raggedpage}{%
24873         \addtolength{\parfillskip}{\z@ \@plus 1fil}%
24874     }{}%
24875     \iftocfeature{\@currentt}{noindent}{%
24876         \parindent \z@
24877     }{%
24878         \parindent \@nameuse{scr@tso@#1@indent}\relax
24879     }%
24880     \@afterindenttrue
24881     \interlinepenalty\M
24882     \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
24883     \addtolength\bidi@rightskip\@flushglue
24884     \else
24885     \def\reserved@a{\raggedright}%
24886     \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
24887     \addtolength\bidi@rightskip\@flushglue
24888     \else
24889     \renewcommand\reserved@a{\raggedright}%
24890     \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
24891     \addtolength\bidi@rightskip\@flushglue
24892     \fi
24893     \fi
24894     \fi
24895     \leavevmode
24896     \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
24897     \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
24898         \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
24899             \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
24900                 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
24901             \fi
24902         }%
24903     }{}%
24904     \advance\bidi@leftskip \@tempdima
24905     \null\nobreak\hskip -\bidi@leftskip
24906     {%
24907         \usetocbasicnumberline
24908         \let\scr@dte@numberline@box\numberline@box
24909         \def\numberline@box##1{%
24910             \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
24911             \global\scr@dte@tocline@numberwidth
24912             \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
24913         \relax

```



```

24914 \ifdim \scr@dte@tocline@numberwidth
24915 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
24916 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
24917 \fi
24918 \@nameuse{Ifscr@tso@#1@dynnumwidth}{-}{%
24919 \ifdim \scr@dte@tocline@numberwidth
24920 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
24921 +\@nameuse{scr@tso@#1@numsep}\relax\relax
24922 \PackageWarning{tocbasic}{%
24923 number width of #1 toc entries should be
24924 increased!\MessageBreak
24925 Currently used number width =
24926 \the\wd\scr@dte@tocline@numbox,\MessageBreak
24927 Wanted number separation
24928 \space\space\space =
24929 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
24930 Reserved number width \space\space\space\space\space\space =
24931 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
24932 }%
24933 \fi
24934 }%
24935 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
24936 \@nameuse{Ifscr@tso@#1@breakafternumber}{-}{%
24937 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
24938 }-}{%
24939 }%
24940 {\@nameuse{scr@tso@#1@entryformat}{-}{%
24941 #2%
24942 \nobreak
24943 {%
24944 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
24945 \nobreak
24946 \expandafter\let\expandafter\scr@dte@pagenumberwidth
24947 \csname scr@tso@#1@pagenumberwidth\endcsname
24948 \@nameuse{scr@tso@#1@pagenumberbox}{-}{%
24949 \@nameuse{scr@tso@#1@pagenumberformat}{#3}}%
24950 }%
24951 }%
24952 }}\@par
24953 }%
24954 }%
24955 \tocbasic@SetPenaltyByTOCLevel{#1}%
24956 \fi
24957 }
24958
24959
24960 \bidi@undef\scr@dte@def@1@tocline
24961 \bidi@undef\scr@dte@tocline@init
24962 \DeclareTOCEntryStyle{tocline}[%
24963 \DefineTOCEntryLengthOption{beforeskip}%
24964 {scr@tso@}{@beforeskip}{vertical skip before the entry}%
24965 \DefineTOCEntryIfOption{breakafternumber}%
24966 {scr@tso@}{@breakafternumber}{line break after number flag}%
24967 \DefineTOCEntryIfOption{dynnumwidth}%

```



```

24968 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
24969 \DefineTOCEntryListOption{indentfollows}%
24970 {scr@tso@}{@indentfollows}{list of levels that define the indent}%
24971 \DefineTOCEntryIfOption{dynindent}%
24972 {scr@tso@}{@dynindent}{dynamic indent width flag}%
24973 \DefineTOCEntryCommandOption{entryformat}%
24974 {scr@tso@}{@entryformat}[1]{entry format}%
24975 \DefineTOCEntryCommandOption{entrynumberformat}%
24976 {scr@tso@}{@numberformat}[1]{entry number format}%
24977 \DefineTOCEntryCommandOption{linefill}[1]{\TOCLineLeaderFill}%
24978 {scr@tso@}{@linefill}{filling between text and page number}%
24979 \DefineTOCEntryLengthOption{numsep}%
24980 {scr@tso@}{@numsep}{entry number separation}%
24981 \DefineTOCEntryCommandOption{onstarthigherlevel}%
24982 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
24983 \DefineTOCEntryCommandOption{onstartlowerlevel}%
24984 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
24985 \DefineTOCEntryCommandOption{onstartsamelevel}%
24986 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
24987 \DefineTOCEntryCommandOption{pagenumberbox}%
24988 {scr@tso@}{@pagenumberbox}[1]{page number box}%
24989 \DefineTOCEntryCommandOption{pagenumberformat}%
24990 {scr@tso@}{@pagenumberformat}[1]{page number format}%
24991 \DefineTOCEntryLengthOption{pagenumberwidth}%
24992 {scr@tso@}{@pagenumberwidth}{width of page number box}%
24993 \DefineTOCEntryLengthOption{rightindent}%
24994 {scr@tso@}{@rightindent}{entry's text right indent}%
24995 \DefineTOCEntryOption{raggedentrytext}[true]{%
24996 \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
24997 \ifx\FamilyKeyState\FamilyKeyStateProcessed
24998 \if@tempswa
24999 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25000 \raggedright
25001 \else
25002 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25003 \relax
25004 \fi
25005 \fi
25006 }%
25007 \DefineTOCEntryIfOption{raggedpagenumber}%
25008 {scr@tso@}{@raggedpage}{page number ragged flag}%
25009 \DefineTOCEntryLengthOption{indent}%
25010 {scr@tso@}{@indent}{entry indent}%
25011 \DefineTOCEntryLengthOption{numwidth}%
25012 {scr@tso@}{@numwidth}{entry number width}%
25013 \scr@ifundefinedorrelax{#1tocdepth}{%
25014 \Ifstrstart{#1}{sub}{%
25015 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
25016 \expandafter\edef\csname #1tocdepth\endcsname{%
25017 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
25018 }%
25019 }%
25020 }{}}%
25021 }{}}%

```



```

25022 \@ifundefined{#1tocdepth}{%
25023   \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
25024     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
25025       \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
25026         \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
25027           \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
25028             \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
25029               \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
25030                 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
25031                   \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
25032                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
25033                       \csname #1numdepth\endcsname
25034                     }%
25035                   }%
25036                 }%
25037               }%
25038             }%
25039           }%
25040         }%
25041       }%
25042     }%
25043   }{}%
25044 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
25045   \@ifundefined{scr@#1@tocindent}{%
25046     \Ifstrstart{#1}{sub}{%
25047       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
25048         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
25049         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25050           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
25051         \relax
25052       }%
25053     }%
25054   }{%
25055     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
25056       \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25057         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
25058         \relax
25059       }%
25060     }{%
25061       \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25062         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
25063         +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
25064       \relax
25065     }%
25066   }%
25067 }{}%
25068 }{}%
25069 }{%
25070   \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25071 }%
25072 }{}%
25073 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
25074   \Ifstrstart{#1}{sub}{%
25075     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%

```



```

25076     \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
25077   }{%
25078     \expandafter\let
25079     \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
25080     \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
25081   }%
25082 }{%
25083   \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
25084 }%
25085 }{%
25086 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
25087   \Ifstrstart{#1}{sub}{%
25088     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
25089       \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25090     }{%
25091       \expandafter\let
25092       \csname scr@tso@#1@rightindent\expandafter\endcsname
25093       \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
25094     }%
25095   }{%
25096     \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25097   }%
25098 }{%
25099 \@ifundefined{scr@tso@#1@indent}{%
25100   \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25101     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25102       \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
25103         \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
25104           \scr@ifundefinedorrelax{l@chapter}{%
25105             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
25106               \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25107                 \Ifstr{#1}{subsubsection}{%
25108                   \@namedef{scr@tso@#1@indent}{3.8em}%
25109                 }{%
25110                   \Ifstr{#1}{paragraph}{%
25111                     \@namedef{scr@tso@#1@indent}{7em}%
25112                   }{%
25113                     \Ifstr{#1}{subparagraph}{%
25114                       \@namedef{scr@tso@#1@indent}{10em}%
25115                     }{%
25116                       }%
25117                     }%
25118                   }%
25119                 }%
25120               }%
25121             }%
25122           \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25123             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25124               \Ifstr{#1}{subsubsection}{%
25125                 \@namedef{scr@tso@#1@indent}{7.0em}%
25126               }{%
25127                 \Ifstr{#1}{paragraph}{%
25128                   \@namedef{scr@tso@#1@indent}{10em}%
25129                 }{%

```



```

25130         \Ifstr{#1}{subparagraph}{%
25131             \@namedef{scr@tso@#1@indent}{12em}%
25132         }{%
25133     }%
25134 }%
25135 }%
25136 }%
25137 }%
25138 }%
25139 }%
25140 }%
25141 }%
25142 }%
25143 }{}%
25144 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
25145     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
25146         \Ifstrstart{#1}{sub}{%
25147             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}{%
25148                 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
25149                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25150                         +.9em%
25151                 }%
25152             \relax
25153         }%
25154     }{}%
25155 }{}%
25156     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
25157 }%
25158 }{}%
25159 \@ifundefined{scr@tso@#1@numwidth}{%
25160     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25161     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25162     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25163     \scr@ifundefinedorrelax{chapter}{%
25164         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25165         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25166         \Ifstr{#1}{subsubsection}{%
25167             \@namedef{scr@tso@#1@numwidth}{3.2em}%
25168         }{}%
25169         \Ifstr{#1}{paragraph}{%
25170             \@namedef{scr@tso@#1@numwidth}{4.1em}%
25171         }{}%
25172         \Ifstr{#1}{subparagraph}{%
25173             \@namedef{scr@tso@#1@numwidth}{5em}%
25174         }{}%
25175         }%
25176     }%
25177 }%
25178 }%
25179 }%
25180 }{}%
25181     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25182     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
25183     \Ifstr{#1}{subsubsection}{%

```





```

25184         \@namedef{scr@tso@#1@numwidth}{3.1em}%
25185     }{%
25186         \Ifstr{#1}{paragraph}{%
25187             \@namedef{scr@tso@#1@numwidth}{5em}%
25188         }{%
25189             \Ifstr{#1}{subparagraph}{%
25190                 \@namedef{scr@tso@#1@numwidth}{6em}%
25191             }{%
25192                 }%
25193             }%
25194         }%
25195     }%
25196 }%
25197 }%
25198 }%
25199 }%
25200 }%
25201 }{%
25202 \expandafter\renewcommand%
25203 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
25204 \expandafter\renewcommand%
25205 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
25206 \expandafter\renewcommand%
25207 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
25208 \@ifundefined{scr@tso@#1@beforeskip}{%
25209     \Ifstr{#1}{part}{%
25210         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
25211     }{%
25212         \Ifstr{#1}{chapter}{%
25213             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25214         }{%
25215             \Ifstr{#1}{section}{%
25216                 \scr@ifundefinedorrelax{1}{chapter}{%
25217                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25218                 }{}%
25219             }{}%
25220         }%
25221     }%
25222     \expandafter\renewcommand\expandafter*%
25223     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
25224 }{%
25225 \@ifundefined{scr@dte@#1@maxnumwidth}{%
25226     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
25227     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
25228 }{%
25229 \renewcommand*{\scr@dte@donumwidth}{%
25230 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
25231 \expandafter\renewcommand\expandafter*%
25232 \csname scr@tso@#1@numsep\endcsname{.4em}%
25233 \expandafter\renewcommand%
25234 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
25235 \Ifstr{#1}{part}{%
25236     \expandafter\providecommand%
25237     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%

```



```

25238 }{%
25239   \Ifstr{#1}{chapter}{%
25240     \expandafter\providecommand%
25241     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25242   }{%
25243     \scr@ifundefinedorrelax{1@chapter}{%
25244       \Ifstr{#1}{section}{%
25245         \expandafter\providecommand%
25246         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25247       }{%
25248         }{%
25249         \expandafter\providecommand%
25250         \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
25251       }%
25252   }%
25253 \expandafter\renewcommand
25254 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
25255 \@ifundefined{scr@tso@#1@linefill}{%
25256   \Ifstr{#1}{part}{%
25257     \@namedef{scr@tso@#1@linefill}{\hfill}%
25258   }{%
25259     \Ifstr{#1}{chapter}{%
25260       \@namedef{scr@tso@#1@linefill}{\hfill}%
25261     }{%
25262       \scr@ifundefinedorrelax{1@chapter}{%
25263         \Ifstr{#1}{section}{%
25264           \@namedef{scr@tso@#1@linefill}{\hfill}%
25265         }{%
25266           }{%
25267           \expandafter\renewcommand%
25268           \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
25269         }%
25270       }%
25271     }{%
25272     \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
25273     \Ifstr{#1}{part}{%
25274       \expandafter\providecommand%
25275       \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
25276     }{%
25277       \Ifstr{#1}{chapter}{%
25278         \expandafter\providecommand%
25279         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25280       }{%
25281         \scr@ifundefinedorrelax{1@chapter}{%
25282           \Ifstr{#1}{section}{%
25283             \expandafter\providecommand%
25284             \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25285           }{%
25286             }{%
25287             \expandafter\providecommand%
25288             \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
25289               {\normalfont\normalcolor ##1}}%
25290           }%
25291         }%

```



```

25292 \expandafter\renewcommand%
25293 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
25294   \hb@xt@{\nameuse{scr@dte@pagenumberwidth}}{\hfil ##1}}%
25295 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
25296 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
25297 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
25298   \Ifstrstart{#1}{sub}{%
25299     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
25300       \scr@dte@nosub{#1}%
25301     }%
25302   }{%
25303     \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
25304   }%
25305 }{%
25306 }]{%
25307 \scr@dte@tocline{#1}{##1}{##2}%
25308 }
25309
25310 \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
25311   \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
25312     {\normalfont\normalcolor #1}%
25313   }%
25314 }{}
25315
25316 \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
25317   \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
25318     {\normalfont\normalcolor #1}%
25319   }%
25320 }{}
25321

```

## 158 File tocstyle-xetex-bidi.def

```

25322 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
25323 \renewcommand*{\tocstyle@dottedtocline}[5]{%
25324   \let\numberline\tocstyle@numberline
25325   \ifnum #1>\c@tocdepth \else
25326     \if@tocstyle@penalties
25327       \begingroup
25328         \@tempcnta 20010
25329         \advance \@tempcnta by -#1
25330         \ifnum \@tempcnta>\lastpenalty
25331           \aftergroup\penalty\aftergroup\@lowpenalty
25332         \fi
25333       \endgroup
25334     \fi
25335     \edef\tocstyledepth{#1}%
25336     \tocstyle@activate@features
25337     \ifx\tocstyle@feature@entryvskip\relax
25338       \vskip \z@ \@plus.2\p@
25339     \else
25340       \addvspace{\tocstyle@feature@entryvskip}%
25341     \fi
25342   }%

```



```

25343 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\el
25344 \tocstyle@feature@raggedhook
25345 \@tempdima #3\relax
25346 \@tempdimb #2\relax
25347 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25348 \ifnum #1>\z@\relax
25349   \@tempcnta #1\relax \advance\@tempcnta \m@ne
25350   \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25351     \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25352       \@tempdimb
25353       \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25354       \advance\@tempdimb
25355       \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25356     \fi
25357   \fi
25358 \fi
25359 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25360 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
25361   \ifdim \@tempdimb>
25362     \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
25363     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25364       @#1\endcsname{\the\@tempdimb}%
25365   \fi
25366 \else
25367   \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25368     @#1\endcsname{\the\@tempdimb}%
25369 \fi
25370 \iftocstyle@autolength
25371   \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25372     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25373     \relax
25374   \fi
25375   \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25376     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25377     \relax
25378   \fi
25379   \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25380   \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25381 \else
25382   \@tempdimb #2\relax
25383   \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25384 \fi
25385 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
25386   \ifdim \@tempdima>
25387     \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
25388     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25389       @\endcsname{\the\@tempdima}%
25390   \fi
25391 \else
25392   \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25393     @\endcsname{\the\@tempdima}%
25394 \fi
25395 \ifcase\tocstyle@indentstyle\relax\else
25396   \@tempdimb \z@

```



```

25397     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25398     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25399     \relax
25400     \fi
25401     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25402     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25403     \fi
25404     \advance\parindent \@tempdimb\@afterindenttrue
25405     \advance\if@RTL\rightskip\else\leftskip\fi \parindent
25406     \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
25407     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
25408     \ifx\tocstyle@feature@parfillskip\relax\else
25409     \advance\parfillskip \tocstyle@feature@parfillskip\relax
25410     \fi
25411     \interlinepenalty\@M
25412     \leavevmode
25413     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
25414     \null\nobreak
25415     \iftocstyle@indentnotnumbered\else
25416     \hskip -\if@RTL\rightskip\else\leftskip\fi
25417     \fi
25418     \tocstyle@feature@entryhook
25419     {#4}\nobreak
25420     \ifx\tocstyle@feature@leaders\relax
25421     \leaders\hbox{${\m@th
25422     \mkern \dotsep mu\hbox{\tocstyle@feature@dothook .}}%
25423     \mkern \dotsep mu$}\hfill
25424     \else
25425     \tocstyle@feature@leaders
25426     \fi
25427     \nobreak
25428     \ifx\tocstyle@feature@pagenumberbox\relax
25429     \hboxt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
25430     \else
25431     \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
25432     \fi
25433     \par
25434     }%
25435     \iftocstyle@penalties
25436     \bgroup
25437     \@tempcnta 20009
25438     \advance\@tempcnta by -#1
25439     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
25440     \reserved@a
25441     \fi
25442     \fi}
25443 \renewcommand*{\tocstyle@numberline}[1]{%
25444 \begingroup
25445 \ifx\tocstyle@feature@spaceafternumber\relax
25446 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
25447 \else
25448 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
25449 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
25450 \fi

```



```

25451 \ifcsname tocstyle@numwidth@tocstyleTOC @tocstyledepth\endcsname
25452 \ifdim \@tempdima >
25453 \csname tocstyle@numwidth@tocstyleTOC @tocstyledepth\endcsname\relax
25454 \expandafter\xdef\csname tocstyle@numwidth@tocstyleTOC
25455 @tocstyledepth\endcsname{\the\@tempdima}%
25456 \fi
25457 \else
25458 \expandafter\xdef\csname tocstyle@numwidth@tocstyleTOC
25459 @tocstyledepth\endcsname{\the\@tempdima}%
25460 \fi
25461 \endgroup
25462 \iftocstyle@indentnotnumbered
25463 \hskip -\if@RTL\rightskip\else\leftskip\fi
25464 \fi
25465 \ifcase \tocstyle@indentstyle
25466 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
25467 \or
25468 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
25469 \else
25470 \ifx\tocstyle@feature@spaceafternumber\relax
25471 \hbox{\tocstyle@numberline{#1}\enskip}%
25472 \else
25473 \hbox{\tocstyle@numberline{#1}\hskip
25474 \tocstyle@feature@spaceafternumber\relax}%
25475 \fi
25476 \fi
25477 }
25478 \AtBeginDocument{%
25479 \ifcsname l@part\endcsname
25480 \ifcsname l@chapter\endcsname
25481 \setbox\@tempboxa\vbox{\hsize\maxdimen
25482 \l@part{\tocstyle@l@define{part}{-1}}{}}%
25483 \else
25484 \setbox\@tempboxa\vbox{\hsize\maxdimen
25485 \l@part{\tocstyle@l@define{part}{0}}{}}%
25486 \fi
25487 \fi
25488 \ifcsname l@chapter\endcsname
25489 \setbox\@tempboxa\vbox{\hsize\maxdimen
25490 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
25491 \fi
25492 \ifcsname l@section\endcsname
25493 \setbox\@tempboxa\vbox{\hsize\maxdimen
25494 \l@section{\tocstyle@l@define{section}{1}}{}}%
25495 \fi
25496 \ifcsname l@subsection\endcsname
25497 \setbox\@tempboxa\vbox{\hsize\maxdimen
25498 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
25499 \fi
25500 \ifcsname l@subsubsection\endcsname
25501 \setbox\@tempboxa\vbox{\hsize\maxdimen
25502 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
25503 \fi
25504 \ifcsname l@paragraph\endcsname

```



```

25505 \setbox\@tempboxa\vbox{\hsize\maxdimen
25506 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
25507 \fi
25508 \ifcsname l@subparagraph\endcsname
25509 \setbox\@tempboxa\vbox{\hsize\maxdimen
25510 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
25511 \fi
25512 \ifcsname l@table\endcsname
25513 \setbox\@tempboxa\vbox{\hsize\maxdimen
25514 \l@table{\tocstyle@l@define{table}{1}}{}}%
25515 \fi
25516 \ifcsname l@figure\endcsname
25517 \setbox\@tempboxa\vbox{\hsize\maxdimen
25518 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
25519 \fi
25520 \def\@tempa#1#2#3#4#5{%
25521 \ifnum #1>\c@tocdepth \else
25522 \vskip \z@ \@plus.2\p@
25523 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocdepth
25524 \parindent #2\relax\@afterindenttrue
25525 \interlinepenalty\@M
25526 \leavevmode
25527 \@tempdima #3\relax
25528 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
25529 #4}\nobreak
25530 \leaders\hbox{$\m@th
25531 \mkern \dotsep mu\hbox{.}\mkern \dotsep
25532 mu$}\hfill
25533 \nobreak
25534 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
25535 \par}%
25536 \fi}%
25537 \ifx\@dottedtocline\@tempa\else
25538 \tocstyle@macrochangewarning\@dottedtocline
25539 \fi
25540 \let\tocstyle@saved@dottedtocline\@dottedtocline
25541 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
25542 \ifx\numberline\@tempa\else
25543 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
25544 \ifx\numberline\@tempa\else
25545 \tocstyle@macrochangewarning\numberline
25546 \fi
25547 \fi
25548 \let\tocstyle@saved@numberline\numberline
25549 }
25550 \renewcommand*{\tocstyle@l@define}[2]{%
25551 \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
25552 \edef\@tempa{%
25553 \noexpand\global\noexpand\let
25554 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
25555 \expandafter\noexpand\csname l@#1\endcsname
25556 \noexpand\gdef
25557 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
25558 \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}%

```



```

25559 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
25560 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
25561 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
25562 }%
25563 }%
25564 \PackageInfo{tocstyle}{prepare \expandafter\string
25565 \csname l@#1\endcsname\space for redefinition}%
25566 \@tempa
25567 }

```

## 159 File todonotes-xetex-bidi.def

```

25568 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
25569 \newif\if@bidi@todonotes@textdirection@RTL
25570 \newif\if@bidi@todonotes@figposition@right
25571 \newcommand{\@bidi@todonotes@align}{}%
25572 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
25573 \newcommand{\@bidi@todonotes@textdirection}{}%
25574 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
25575 \ifcase\@bidi@todonotes@tempb\relax
25576 \@bidi@todonotes@textdirection@RTLtrue
25577 \let\@bidi@todonotes@textdirection\RLE
25578 \or
25579 \@bidi@todonotes@textdirection@RTLfalse
25580 \let\@bidi@todonotes@textdirection\LRE
25581 \fi}
25582 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
25583 \ifcase\@bidi@todonotes@tempb\relax
25584 \@bidi@todonotes@figposition@righttrue
25585 \or
25586 \@bidi@todonotes@figposition@rightfalse
25587 \fi}
25588 \if@todonotes@disabled%
25589 \else % \if@todonotes@disabled
25590 \renewcommand{\@todonotes@drawInlineNote}{%
25591 \if@todonotes@dviStyle%
25592 {\par\noindent\begin{tikzpicture}[remember picture]%
25593 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25594 \if@todonotes@authorgiven%
25595 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
25596 \else%
25597 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25598 \fi
25599 {\par\noindent\begin{tikzpicture}[remember picture]%
25600 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25601 \else%
25602 {\par\noindent\begin{tikzpicture}[remember picture]%
25603 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25604 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@a
25605 \if@todonotes@authorgiven%
25606 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}
25607 \else%
25608 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25609 \fi};%

```





```

25610         \end{tikzpicture}\par}%
25611     \fi}%
25612 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
25613 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
25614     \node [coordinate] (inText) {};%
25615 \end{tikzpicture}%
25616 \marginpar[{} Draw note in left margin
25617     \@todonotes@drawMarginNote%
25618     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
25619 }]{% Draw note in right margin
25620     \@todonotes@drawMarginNote%
25621     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
25622 }%
25623 }%
25624 \renewcommand{\@todonotes@drawMarginNote}{%
25625 \if@todonotes@dviStyle%
25626     \begin{tikzpicture}[remember picture]%
25627         \draw node[notestyle] {};%
25628     \end{tikzpicture}\\%
25629     \begin{minipage}{\@todonotes@textwidth}%
25630     \if@todonotes@authorgiven%
25631         \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
25632     \else%
25633         \@todonotes@sizecommand \@todonotes@text%
25634     \fi%
25635     \end{minipage}\\%
25636     \begin{tikzpicture}[remember picture]%
25637         \draw node[notestyle] (inNote) {};%
25638     \end{tikzpicture}%
25639 \else%
25640     \let\originalHbadness\hbadness%
25641     \hbadness 100000%
25642     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
25643         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25644         \node(X){\vphantom{X}};%
25645         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25646         \if@todonotes@authorgiven%
25647             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@sizecommand\@todonotes@author};%
25648             \node(Y)[below=of X]{};%
25649             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25650         \else%
25651             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25652         \fi%
25653     \end{tikzpicture}%
25654     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25655     \fi%
25656     \end{tikzpicture}%
25657     \hbadness \originalHbadness%
25658 \fi}%
25659 \fi}%
25660 \renewcommand{\missingfigure}[2]{}%
25661 \setkeys{todonotes}{#1}%
25662 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
25663 \par

```



```

25664 \noindent
25665 \begin{tikzpicture}
25666 \draw[fill=@todonotes@currentfigcolor, draw = black!40, line width=2pt]
25667 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
25668 \if@bidi@todonotes@figposition@right%
25669 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25670 \fi%
25671 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
25672 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
25673 \if@bidi@todonotes@figposition@right%
25674 \end{scope}
25675 \begin{scope}[xshift=-3.8cm]
25676 \fi%
25677 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25678 \draw (2, -0.3) node[right, text
25679 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
25680 \if@bidi@todonotes@figposition@right%
25681 \end{scope}
25682 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25683 \fi%
25684 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
25685 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
25686 \if@bidi@todonotes@figposition@right%
25687 \end{scope}
25688 \fi%
25689 \end{tikzpicture}}\hfill
25690 }% Ending \missingfigure command
25691 \fi % Ending \@todonotes@ifdisabled
25692 \presetkeys%
25693 {todonotes}%
25694 {align=left,%
25695 textdirection=lefttoright,%
25696 figposition=left}{}%

```

## 160 File wrapfig-xetex-bidi.def

```

25697 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package f
25698 \let\WF@@everypar\@everypar\@bidi@n@everypar
25699 \def\WF@putfigmaybe{%
25700 \ifinner
25701 \vskip-\parskip \global\WF@floatfalse
25702 \let\pagetotal\maxdimen % kludge flag for "not top of page"
25703 \else % outer page
25704 \@tempdima\pagedepth % save page depth
25705 {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
25706 \penalty\interlinepenalty % update pg. parameters
25707 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
25708 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
25709 \global\WF@floatfalse
25710 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
25711 \else
25712 \ifdim\WF@size>\@tempdimb
25713 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
25714 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi

```



```

25715         \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
25716         \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
25717         \advance\dimen@.5\baselineskip
25718         \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
25719         \global\WF@floatfalse \pagebreak
25720         \fi
25721         \else % \WF@info{Fits in \the\@tempdimb;}%
25722         \global\WF@floatfalse
25723         \fi\fi
25724         \vskip\@tempdima\relax % (return erased page depth)
25725 \fi
25726 \noindent
25727 \ifWF@float
25728   \WF@fltmes
25729 \else % putting here;
25730   \WF@info{Put \WF@wfname here:}%
25731   {\ifodd\if@twoside\c@page\else\@one\fi % assign l/r to i/o placement
25732     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
25733     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
25734   \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
25735     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
25736     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
25737     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
25738     \xdef\WF@adjlw{\the\@tempdima}%
25739     \ifnum `l=\WF@place % fig on left
25740       \if@RTL%
25741         \kern\@tempdimb \kern\columnsep
25742         \def\@tempa{\hss}% position to left of the gap
25743         \else%
25744         \hss % figure overlaps space to the left
25745         \def\@tempa{\kern\columnsep}% position to left of the gap
25746         \fi%
25747     \else % fig on right
25748       \if@RTL%
25749         \hss
25750         \@tempdima\z@
25751         \def\@tempa{\kern\columnsep}
25752         \else%
25753         \@tempdima\z@ % no left indentation
25754         \kern\@tempdimb \kern\columnsep
25755         \def\@tempa{\hss}% figure overlaps space to the right
25756         \fi%
25757     \fi
25758     \ifdim\@tempdimb<\hsize
25759       \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
25760       \xdef\WF@adjtln{\the\@tempdima}%
25761     \else
25762       \xdef\WF@wrapil{\z@ \the\hsize}%
25763       \xdef\WF@adjlw{\z@}\xdef\WF@adjtln{\z@}%
25764     \fi
25765     \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
25766     \global\advance\WF@size-\intextsep
25767     \else % \WF@info{Putting \WF@wfname in middle of page}%
25768     \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%

```



```

25769 \fi \dp\WF@box\z@ \box\WF@box \@tempa
25770 }% end \hbox to Opt
25771 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
25772 \fi}

```

## 161 File xcolor-xetex-bidi.def

```

25773 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package for
25774 \long\def\color@b@x#1#2#3%
25775 {\leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
25776 \setbox\z@\hbox{\kern\fbboxsep{\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
25777 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
25778 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
25779 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\ifRTL\endL\fi\fi}
25780 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\ifRTL\beginL\aftergroup
25781 \DeclareRobustCommand\color
25782 {\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
25783 \def\@undeclaredcolor[#1]#2%
25784 {\begingroup
25785 \let\@@cls\@empty
25786 \XC@getmodclr12{#1}{#2}{}%
25787 {\ifblendcolors
25788 \ifx\colorblend\@empty\else
25789 \edef\@@mix{\expandafter\@gobble\colorblend}\@tempwafalse
25790 \XC@coremodel\@mod\@clr\xcolor@{}{\@mod\@clr
25791 \fi
25792 \fi
25793 \ifconvertcolorsU
25794 \edef\@@tmp{\XC@tgt@mod{\@mod}}%
25795 \convertcolorspec\@mod\@clr\@@tmp\@clr \let\@@mod\@@tmp
25796 \fi
25797 \ifmaskcolors
25798 \convertcolorspec\@mod\@clr\XC@mmod\@clr
25799 \let\@@mod\XC@mmod
25800 \XC@inflate\@mod\XC@mclr\@clr\@@tmp
25801 \expandafter\XC@mul\@@tmp,\@clr
25802 \fi
25803 \edef\@@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
25804 \expandafter\endgroup\@@tmp}}
25805 \def\@declaredcolor#1%
25806 {\XC@edef\XC@@tmp{#1}\XC@tstfalse
25807 \ifcase\XC@type\XC@@tmp\relax \XC@tsttrue\or \relax\else
25808 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
25809 \ifconvertcolorsU\XC@tsttrue\fi
25810 \fi
25811 \ifXC@@tst
25812 \expandafter\XC@declaredcolor\else
25813 \expandafter\XC@declaredc@lor\fi}
25814 \def\XC@undeclaredcolor#1#2%
25815 {\@ifundefinedmodel{#1}%
25816 {\c@lor@error{model `#1'}}%
25817 {\@nameuse{color@#1}\current@color{#2}}%
25818 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
25819 \XC@display}\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}

```



```

25820 \def\XC@declaredcolor
25821 {\XC@let@Nc\XC@current@color{\string\color@\XC@tmp}%
25822 \edef\current@color{\XC@current@color}%
25823 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
25824 \DeclareRobustCommand\bidicolor
25825 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
25826 \def\@bidiundeclaredcolor[#1]#2%
25827 {\begingroup
25828 \let\@@cls\@empty
25829 \XC@getmodclr12{#1}{#2}{}}%
25830 {\ifblendcolors
25831 \ifx\colorblend\@empty\else
25832 \edef\@@mix{\expandafter\@gobble\colorblend}\@tempwafalse
25833 \XC@coremodel\@mod\@clr\@xcolor@{}{\@mod\@clr
25834 \fi
25835 \fi
25836 \ifconvertcolorsU
25837 \edef\@@tmp{\XC@tgt@mod{\@mod}}%
25838 \convertcolorspec\@mod\@clr\@@tmp\@clr \let\@@mod\@@tmp
25839 \fi
25840 \ifmaskcolors
25841 \convertcolorspec\@mod\@clr\XC@mmod\@clr
25842 \let\@@mod\XC@mmod
25843 \XC@inflate\@mod\XC@mclr\@clr\@tmp
25844 \expandafter\XC@mul\@tmp,\@clr
25845 \fi
25846 \edef\@@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
25847 \expandafter\endgroup\@tmp}}
25848 \def\XC@bidiundeclaredcolor#1#2%
25849 {\@ifundefinedmodel{#1}%
25850 {\c@lor@error{model `#1'}}%
25851 {\@nameuse{color@#1}\current@color{#2}}%
25852 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
25853 \XC@display}}
25854 \def\@bidideclaredcolor#1%
25855 {\XC@edef\XC@tmp{#1}\XC@tstfalse
25856 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
25857 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
25858 \ifconvertcolorsU\XC@tsttrue\fi
25859 \fi
25860 \ifXC@tst
25861 \expandafter\XC@bidideclaredcolor\else
25862 \expandafter\XC@bidideclaredcolor\fi}
25863 \def\XC@bidideclaredcolor
25864 {\XC@split\XC@tmp
25865 \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
25866 \expandafter\endgroup\@tmp}
25867 \def\XC@bidideclaredcolor
25868 {\XC@let@Nc\XC@current@color{\string\color@\XC@tmp}%
25869 \edef\current@color{\XC@current@color}%
25870 \XC@display}
25871 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
25872 \def\color@fbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
25873 \def\color@fb@x#1#2#3#4%

```



```

25874 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
25875   {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
25876 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 162 File latex-xetex-bidi.def

```

25877 \ProvidesFile{latex-xetex-bidi.def}[2024/12/08 v1.5.1 bidi adaptations for `latex.ltx' for
25878 \newcommand{\TeXeTOn}{\TeXeTstate\@one}
25879 \newcommand{\TeXeTOff}{\TeXeTstate\@z}
25880 \TeXeTOn
25881 \def\ bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebo
25882   \let\ bidi@o@everypar=\everypar
25883   \newtoks\ bidi@n@everypar
25884   \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
25885   \ bidi@o@everypar{\ bidi@RTL@everypar\z@\the\ bidi@n@everypar}
25886   \let\ everypar=\ bidi@n@everypar
25887 \def\ moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
25888 \def\ moreRE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
25889 \protected\def\ hboxR{\hbox\ bgroup
25890 \everyhbox{%
25891 \aftergroup\egroup
25892 \everyhbox{}}%
25893 \beginR
25894 \@hboxRconstructtrue
25895 \bgroup
25896 \aftergroup\endR
25897 \aftergroup\egroup
25898 }\hbox}
25899 \protected\def\ hboxL{\hbox\ bgroup
25900 \everyhbox{%
25901 \aftergroup\egroup
25902 \everyhbox{}}%
25903 \beginL
25904 \@hboxRconstructfalse
25905 \bgroup
25906 \aftergroup\endL
25907 \aftergroup\egroup
25908 }\hbox}
25909 \protected\def\ vboxR{\vbox\ bgroup
25910 \everyvbox{%
25911 \aftergroup\egroup
25912 \everyvbox{}}%
25913 \@RTLtrue
25914 \@RTLtabtrue
25915 \bgroup
25916 \aftergroup\egroup
25917 }\vbox}
25918 \protected\def\ vboxL{\vbox\ bgroup
25919 \everyvbox{%
25920 \aftergroup\egroup
25921 \everyvbox{}}%
25922 \@RTLfalse
25923 \@RTLtabfalse
25924 \bgroup

```



```

25925 \aftergroup\egroup
25926 }\vbox}
25927 \newcommand*{\bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
25928 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
25929 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@\bidi@beamer}
25930 \def\endLTR{\par}
25931 \newenvironment{LTR*}{\LTR
25932 \everypar{%
25933 \setbox\z@\lastbox
25934 \ifvoid\z@
25935 \kern-\parindent
25936 \fi}%
25937 }%
25938 }{\endLTR\@endpetrue}
25939 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@\bidi@beamer}
25940 \def\endRTL{\par}
25941 \newenvironment{RTL*}{\RTL
25942 \everypar{%
25943 \setbox\z@\lastbox
25944 \ifvoid\z@
25945 \kern-\parindent
25946 \fi}%
25947 }%
25948 }{\endRTL\@endpetrue}
25949 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\bidi@beamer@ragged}
25950 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\bidi@beamer@ragged}
25951 \let\unsetRTL=\setRTL
25952 \let\unsetLTR=\setRTL
25953 \let\LR=\LRE
25954 \let\RL=\RLE
25955 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
25956 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
25957 \let\@ensure@RL=\@ensure@RTL
25958 \let\@ensure@LR=\@ensure@LTR
25959 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
25960 \let\@ensure@maindir=\@ensure@dir
25961 \def\@@RTL{RTL}
25962 \def\@@LTR{LTR}
25963 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
25964 \def\reset@dir{\ifx\saved@dir\@@RTL\setRTL\else\ifx\saved@dir\@@LTR\setLTR\else\relax\fi}
25965 \let\@TeX\TeX
25966 \def\TeX{\@ensure@LTR{\@TeX}}
25967 \let\@LaTeX\LaTeX
25968 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
25969 \let\@LaTeXe\LaTeXe
25970 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
25971 \long\def\bidi@reflect@box#1{%
25972 \leavevmode
25973 \setbox\z@\hbox{#1}}%
25974 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
25975 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
25976 }
25977 \if@bidi@cundef{XeTeX}{%
25978 \bidi@newrobustcmd*{XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex

```



```

25979 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}%
25980 }{%
25981 \let\@bidi@orig@XeTeX\XeTeX
25982 \bidi@renewrobustcmd*{\XeTeX}{\LR{\@bidi@orig@XeTeX}}%
25983 }
25984 \if@bidi@csundef{XeLaTeX}{%
25985 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
25986 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}%
25987 }{%
25988 \let\@bidi@orig@XeLaTeX\XeLaTeX
25989 \bidi@renewrobustcmd*{\XeLaTeX}{\LR{\@bidi@orig@XeLaTeX}}%
25990 }
25991 \let\setRL=\setRTL
25992 \let\setLR=\setLTR
25993 \let\unsetRL=\setLTR
25994 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
25995 \@ifpackageloaded{array}{%
25996 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
25997 \leavevmode
25998 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
25999 \let\dollarend\end\group
26000 \@tabarray}
26001 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
26002 }{%
26003 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26004 \leavevmode \hbox \bgroup
26005 $\left.\let\@acol\@tabacol
26006 \let\@classz\@tabclassz
26007 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26008
26009 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
26010 \egroup\right\rbrace $\egroup}}
26011 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
26012 \ialign{##\hfil$&\quad{##}\hfil\crr#1\crr}}\,\right\}}
26013 \renewenvironment{RTLcases}{%
26014 \bidi@matrix@check\RTLcases\env@RTLcases
26015 }{%
26016 \endbidi@tabular@RTLcases%
26017 }
26018 \def\env@RTLcases{%
26019 \let\@ifnextchar\bidi@new@ifnextchar
26020 \def\arraystretch{1.2}%
26021 \bidi@tabular@RTLcases{@}r@{\quad}r@{}}%
26022 }
26023 \def\SepMark#1{\gdef\@SepMark{#1}}
26024 \SepMark{.}
26025 \def\@thmcountersep{\@SepMark}
26026 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemfalse}
26027 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemfalse}
26028 \def\setdefaultbibitems{\@RTLbibitemfalse\@LTRbibitemfalse}
26029 \newcommand*\bidi@thebibliography@font@hook{}
26030 \def\list#1#2{%
26031 \ifnum \@listdepth >5\relax
26032 \@toodeep

```





```

26033 \else
26034   \global\advance\@listdepth\@ne
26035 \fi
26036 \rightmargin\z@
26037 \listparindent\z@
26038 \itemindent\z@
26039 \csname @list\romannumeral\the\@listdepth\endcsname
26040 \def\@itemlabel{#1}%
26041 \let\makelabel\@mklab
26042 \@nmbolistfalse
26043 #2\relax
26044 \@trivlist
26045 \parskip\parsep
26046 \parindent\listparindent
26047 \advance\linewidth -\rightmargin
26048 \advance\linewidth -\leftmargin
26049 \if@bidi@list@minipage@parbox
26050 \if@RTL
26051 \advance\@totalleftmargin \leftmargin
26052 \else
26053 \advance\@totalleftmargin \rightmargin
26054 \fi
26055 \else
26056 \if@hboxRconstruct
26057 \if@bidi@list@minipage@parbox@not@nob
26058 \if@RTL
26059   \advance\@totalleftmargin \rightmargin
26060 \else
26061   \advance\@totalleftmargin \leftmargin
26062 \fi
26063 \else
26064 \if@RTL
26065 \advance\@totalleftmargin \leftmargin
26066 \else
26067 \advance\@totalleftmargin \rightmargin
26068 \fi\fi
26069 \else
26070 \if@RTL
26071   \advance\@totalleftmargin \rightmargin
26072 \else
26073   \advance\@totalleftmargin \leftmargin
26074 \fi\fi\fi
26075 \parshape \@ne \@totalleftmargin \linewidth
26076 \ignorespaces}
26077 \long\def\@iiiparbox#1#2[#3]#4#5{%
26078 \leavevmode
26079 \@pboxswfalse
26080 \if@hboxRconstruct
26081   \@bidi@list@minipage@parbox@not@nobtrue
26082 \fi
26083 \if@RTL
26084   \ifx#1t%
26085     \@bidi@list@minipage@parboxtrue
26086   \else

```



```

26087     \ifx#1b%
26088         \@bidi@list@minipage@parboxtrue
26089     \fi
26090 \fi
26091 \fi
26092 \setlength\@tempdima{#4}%
26093 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
26094     \ifx\relax#2\else
26095         \setlength\@tempdimb{#2}%
26096         \edef\@parboxto{to\the\@tempdimb}%
26097     \fi
26098     \if#1b\vbox
26099     \else\if #1t\vtop
26100     \else\ifmode\vcenter
26101     \else\@pboxswtrue $\vcenter
26102     \fi\fi\fi
26103     \@parboxto{\let\hss\vss\let\unhbox\unvbox
26104         \csname bm@#3\endcsname}%
26105     \if@pboxsw \m@th$\fi
26106 \end@tempboxa}
26107 \newenvironment{LTRitems}
26108     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26109     \if@bidi@list@minipage@parbox
26110     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26111     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26112     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26113     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26114     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26115     \ignorespaces}{\vskip\z@}
26116 \newenvironment{RTLitems}
26117     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26118     \if@bidi@list@minipage@parbox
26119     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26120     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26121     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26122     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26123     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26124     \ignorespaces}{\vskip\z@}
26125 \newenvironment{LTRbibitems}
26126     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26127     \if@bidi@list@minipage@parbox
26128     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26129     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26130     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26131     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26132     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26133     \ignorespaces}{\vskip\z@}
26134 \newenvironment{RTLbibitems}
26135     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26136     \if@bidi@list@minipage@parbox
26137     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26138     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26139     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26140     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi

```



```

26141         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26142         \ignorespaces}{\vskip\z@}
26143 \def\raggedright{%
26144   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
26145   \leftskip\z@skip
26146   \parindent\z@\parfillskip\z@skip}
26147 \let\ bidi@orig@raggedleft\raggedleft
26148 \let\ bidi@orig@raggedright\raggedright
26149 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\ bidi@orig@raggedright\else\if@hboxRco
26150 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\ bidi@orig@raggedleft\else\if@hboxRco
26151 \newcommand{\ bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
26152 \newcommand{\ bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
26153 \DeclareRobustCommand\centerline[1]{%
26154 \if@RTL\@@line{\hss\beginR#1\endR\hss}
26155 \else\@@line{\hss#1\hss}\fi}
26156 \def\ bidi@orig@leftline#1{%
26157 \if@RTL\@@line{\beginR#1\endR\hss}
26158 \else\@@line{#1\hss}\fi}
26159 \def\ bidi@orig@rightline#1{%
26160 \if@RTL\@@line{\hss\beginR#1\endR}
26161 \else\@@line{\hss#1}\fi}
26162 \DeclareRobustCommand\leftline[1]{\ifhmode\if@RTL\ bidi@orig@rightline{#1}\else\ bidi@orig@lef
26163 \DeclareRobustCommand\rightline[1]{\ifhmode\if@RTL\ bidi@orig@leftline{#1}\else\ bidi@orig@rig
26164 \DeclareRobustCommand\bidirlap[1]{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
26165 \DeclareRobustCommand\bidillap[1]{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
26166 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
26167   \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
26168 \def\narrower{%
26169   \advance\if@RTL\rightskip\else\leftskip\fi\parindent
26170   \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
26171 \DeclareRobustCommand\underline[1]{%
26172   \relax
26173   \ifmmode\@@underline{#1}%
26174   \else
26175 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
26176 \else
26177 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
26178 \if@compatibility
26179   \let\undertext=\underline
26180 \fi
26181 \def\@tabular{%
26182   \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
26183   $\let\@acol\@tabacol
26184   \let\@classz\@tabclassz
26185   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26186 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
26187   \egroup $\if@RTLtab\endR\fi\egroup}
26188 \expandafter \let \csname endtabular*\endcsname = \endtabular
26189 \def\@array[#1]#2{%
26190   \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
26191   \bgroup
26192   \setbox\@arstrutbox\hbox{%
26193     \vrule \@height\arraystretch\ht\strutbox
26194     \@depth\arraystretch \dp\strutbox

```



```

26195         \@width\z@}%
26196 \mkpream{#2}%
26197 \edef\@preamble{%
26198   \ialign \noexpand\@halignto
26199     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
26200 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
26201 \let\tabularnewline\%
26202   \let\par\@empty
26203   \let\@sharp##%
26204   \set@typeset@protect
26205   \lineskip\z@skip\baselineskip\z@skip
26206   \ifhmode \@preamerr\z@ \@par\fi
26207   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
26208   \@preamble}
26209 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
26210 \let\@classiv\@arrayclassiv
26211 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
26212 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
26213   \ifnum \@lastchclass=3 5 \else
26214     \z@ \if #1c\@chnum \z@ \else
26215       \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
26216       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
26217       \@chclass \if #1|\@ne \else
26218       \if #1@\tw@ \else
26219       \if #1p3 \else \z@ \@preamerr 0\fi
26220 \fi \fi \fi \fi \fi \fi
26221 \fi}
26222 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
26223 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
26224 \def\bm@t{\unhbox\@tempboxa\hss}
26225 \def\bm@b{\hss\unhbox\@tempboxa}
26226 \def\@dottedtocline#1#2#3#4#5{%
26227   \ifnum #1>\c@tocdepth \else
26228     \vskip \z@ \@plus.2\p@
26229     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrama
26230     \parindent #2\relax\@afterindenttrue
26231     \interlinepenalty\@M
26232     \leavevmode
26233     \@tempdima #3\relax
26234     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
26235     {#4}\nobreak
26236     \leaders\hbox{\$m@th
26237       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
26238       mu$}\hfill
26239     \nobreak
26240     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
26241     \par}%
26242 \fi}
26243
26244 \newcount\@bidi@column@check@number
26245
26246 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
26247
26248 \def\@bidi@set@column@status#1#2{%

```



```

26249 \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
26250
26251 \if@twocolumn
26252 \newcommand\DetectColumn[3][1]{%
26253 \ifx\ bidi@firstcolumn@status@write\relax
26254 \PackageError{bidi}%
26255 {Option 'DetectColumn' not selected}%
26256 {\string\DetectColumn\space
26257 requires the use of the 'DetectColumn'
26258 option on the package}%
26259 \fi
26260 \global\advance\ bidi@column@check@number\@ne
26261 \edef\ bidi@column@type{\expandafter\ifx
26262 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
26263 \else
26264 \csname bidi@column-\the\ bidi@column@check@number\endcsname
26265 \fi}%
26266 \ifcase \ bidi@column@type\relax
26267 \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
26268 \or
26269 #2% % 1 First column
26270 \or
26271 #3% % 2 Second (Last column)
26272 \else
26273 \ERROR
26274 \fi
26275 \edef\next{\write\@auxout
26276 {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
26277 {\ bidi@column@type}}}%
26278 \next
26279 }
26280
26281 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
26282 \ifnum #2=\ bidi@current@column@status\else
26283 \@tempwatruel
26284 \fi}%
26285 }
26286 \fi
26287
26288 \def\RTL@outputdblcol{%
26289 \if@firstcolumn
26290 \global\@firstcolumnfalse
26291 \global\setbox\@leftcolumn\copy\@outputbox
26292 \splitmaxdepth\maxdimen
26293 \vbadness\maxdimen
26294 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26295 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26296 \toks@\expandafter{\topmark}%
26297 \xdef\@firstcoltopmark{\the\toks@}%
26298 \toks@\expandafter{\splitfirstmark}%
26299 \xdef\@firstcolfirstmark{\the\toks@}%
26300 \ifx\@firstcolfirstmark\@empty
26301 \global\let\@setmarks\relax
26302 \else

```



```

26303     \gdef\@setmarks{%
26304         \let\firstmark\@firstcolfirstmark
26305         \let\topmark\@firstcoltopmark}%
26306     \fi
26307 \else
26308     \global\@firstcolumntrue
26309     \setbox\@outputbox\vbox{%
26310         \hb@xt@\textwidth{%
26311             \hskip \columnwidth
26312             \hfil
26313             {\normalcolor\vrule \@width\columnseprule}%
26314             \hfil
26315             \hb@xt@\columnwidth{%
26316                 \bidi@firstcolumn@status@write%
26317                 \box\@leftcolumn \hss}%
26318             \hskip -\textwidth
26319             \hb@xt@\columnwidth{%
26320                 \bidi@lastcolumn@status@write%
26321                 \box\@outputbox \hss}%
26322             \hskip \columnsep
26323             \hskip \columnwidth }}%
26324 \@combinedblfloats
26325     \@setmarks
26326     \@outputpage
26327     \begingroup
26328         \@dblfloatplacement
26329         \@startdblcolumn
26330         \@whilesw@if@colmade \fi{\@outputpage
26331         \@startdblcolumn}%
26332     \endgroup
26333 \fi}%
26334
26335 \def\LTR@outputdblcol{%
26336     \if@firstcolumn
26337         \global\@firstcolumnfalse
26338         \global\setbox\@leftcolumn\copy\@outputbox
26339         \splitmaxdepth\maxdimen
26340         \vbadness\maxdimen
26341         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26342         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26343         \toks@\expandafter{\topmark}%
26344         \xdef\@firstcoltopmark{\the\toks@}%
26345         \toks@\expandafter{\splitfirstmark}%
26346         \xdef\@firstcolfirstmark{\the\toks@}%
26347         \ifx\@firstcolfirstmark\@empty
26348             \global\let\@setmarks\relax
26349         \else
26350             \gdef\@setmarks{%
26351                 \let\firstmark\@firstcolfirstmark
26352                 \let\topmark\@firstcoltopmark}%
26353         \fi
26354     \else
26355         \global\@firstcolumntrue
26356         \setbox\@outputbox\vbox{%

```



```

26357 \hb@xt@\textwidth{%
26358 \hb@xt@\columnwidth{%
26359 \bidi@firstcolumn@status@write%
26360 \box\@leftcolumn \hss}%
26361 \hfil
26362 {\normalcolor\vrule \@width\columnseprule}%
26363 \hfil
26364 \hb@xt@\columnwidth{%
26365 \bidi@lastcolumn@status@write%
26366 \box\@outputbox \hss}}}%
26367 \@combinedblfloats
26368 \setmarks
26369 \outputpage
26370 \begingroup
26371 \@dblfloatplacement
26372 \@startdblcolumn
26373 \@whilesw@if@fcolmade \fi{\@outputpage
26374 \@startdblcolumn}%
26375 \endgroup
26376 \fi}%
26377
26378
26379 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
26380 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
26381 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
26382
26383 \bidi@patchcmd\@makecol{%
26384 \ifvoid\footins
26385 \setbox\@outputbox \box\@cclv
26386 \else
26387 \setbox\@outputbox \vbox {%
26388 \boxmaxdepth \@maxdepth
26389 \unvbox \@cclv
26390 \vskip \skip\footins
26391 \color@begingroup
26392 \normalcolor
26393 \footnoterule
26394 \unvbox \footins
26395 \color@endgroup
26396 }%
26397 \fi
26398 }{%
26399 \ifvoid\footins
26400 \ifvoid\@bidi@copyins@
26401 \setbox\@outputbox \box\@cclv
26402 \else
26403 \setbox\@outputbox \vbox {%
26404 \boxmaxdepth \@maxdepth
26405 \unvbox \@cclv
26406 \vskip \skip\@bidi@copyins@
26407 \color@begingroup
26408 \normalcolor
26409 \unvbox \@bidi@copyins@
26410 \color@endgroup

```



```

26411     }%
26412     \fi
26413     \else
26414         \setbox\@outputbox \vbox {%
26415             \boxmaxdepth \@maxdepth
26416             \unvbox \@cclv
26417             \vskip \skip\footins
26418             \color@begingroup
26419                 \normalcolor
26420                 \footnoterule
26421                 \unvbox \footins
26422             \color@endgroup
26423             \ifvoid\@bidi@copyins@
26424                 \else
26425                     \vskip \skip\@bidi@copyins@
26426                     \color@begingroup
26427                         \normalcolor
26428                         \unvbox \@bidi@copyins@
26429                     \color@endgroup
26430                 \fi
26431             }%
26432     \fi
26433 }{}{}
26434
26435 \def\LTRmarginpar{%
26436     \ifhmode
26437         \@bsphack
26438         \@floatpenalty -\@Mii
26439     \else
26440         \@floatpenalty-\@Miii
26441     \fi
26442     \ifinner
26443         \@parmoderr
26444         \@floatpenalty\z@
26445     \else
26446         \@next\@currbox\@freelist{}{}%
26447         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26448         {\@floatpenalty\z@
26449         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
26450     \fi
26451     \@ifnextchar [\@LTRxmpar\@LTRympar}
26452 \long\def\@LTRxmpar[#1]#2{%
26453     \@LTRsavemarbox\@marbox{#1}%
26454     \@LTRsavemarbox\@currbox{#2}%
26455     \@xympar}
26456 \long\def\@LTRympar#1{%
26457     \@LTRsavemarbox\@marbox{#1}%
26458     \global\setbox\@currbox\copy\@marbox
26459     \@xympar}
26460 \long\def \@LTRsavemarbox #1#2{%
26461     \global\setbox #1%
26462         \color@vbox
26463         \vtop{%
26464             \hsize\marginparwidth

```





```

26465     \@parboxrestore
26466     \@LTRmarginparreset
26467     #2%
26468     \@minipagefalse
26469     \outer@nobreak
26470     }%
26471     \color@endbox
26472 }
26473 \def \@LTRmarginparreset {%
26474     \reset@font
26475     \normalsize
26476     \@minipagetrue
26477     \everypar{\@minipagefalse\everypar{}\beginL}%
26478 }
26479 \def \RTLmarginpar{%
26480     \ifhmode
26481         \@bsphack
26482         \@floatpenalty -\@Mii
26483     \else
26484         \@floatpenalty-\@Miii
26485     \fi
26486     \ifinner
26487         \@parmoderr
26488         \@floatpenalty\z@
26489     \else
26490         \@next\@currbox\@freelist{}{}%
26491         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26492         {\@floatpenalty\z@
26493         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26494     \fi
26495     \@ifnextchar [\@RTLxmpar\@RTLympar]
26496 \long\def \@RTLxmpar [#1]#2{%
26497     \@RTLSavemarbox\@marbox{#1}%
26498     \@RTLSavemarbox\@currbox{#2}%
26499     \@xympar}
26500 \long\def \@RTLympar#1{%
26501     \@RTLSavemarbox\@marbox{#1}%
26502     \global\setbox\@currbox\copy\@marbox
26503     \@xympar}
26504 \long\def \@RTLSavemarbox #1#2{%
26505     \global\setbox #1%
26506         \color@vbox
26507         \vtop{%
26508             \hsize\marginparwidth
26509             \@parboxrestore
26510             \@RTLmarginparreset
26511             #2%
26512             \@minipagefalse
26513             \outer@nobreak
26514             }%
26515     \color@endbox
26516 }
26517 \def \@RTLmarginparreset {%
26518     \reset@font

```



```

26519         \normalsize
26520         \@minipagetrue
26521         \everypar{\@minipagefalse\everypar}\beginR}%
26522 }
26523 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
26524   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
26525   \if@twocolumn
26526     \if@firstcolumn \@tempcnta\m@ne \fi
26527   \else
26528     \if@mparswitch
26529       \ifodd\c@page \else\@tempcnta\m@ne \fi
26530     \fi
26531     \if@reversemargin \@tempcnta -\@tempcnta \fi
26532   \fi
26533   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
26534   \@tempdima\@mparbottom
26535   \advance\@tempdima -\@pageht
26536   \advance\@tempdima\ht\@marbox
26537   \ifdim\@tempdima >\z@
26538     \@latexwarning@no@line {Marginpar on page \thepage\space moved}%
26539   \else
26540     \@tempdima\z@
26541   \fi
26542   \global\@mparbottom\@pageht
26543   \global\advance\@mparbottom\@tempdima
26544   \global\advance\@mparbottom\dp\@marbox
26545   \global\advance\@mparbottom\marginparpush
26546   \advance\@tempdima -\ht\@marbox
26547   \global\setbox \@marbox
26548     \vbox {\vskip \@tempdima
26549           \box \@marbox}%
26550   \global \ht\@marbox \z@
26551   \global \dp\@marbox \z@
26552   \kern -\@pagedp
26553   \nointerlineskip
26554   \hb@xt@\columnwidth
26555     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
26556       \hskip\columnwidth \hskip\marginparsep
26557     \else
26558       \hskip -\marginparsep \hskip -\marginparwidth
26559     \fi
26560     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
26561     \nointerlineskip
26562     \hbox{\vrule \height\z@ \width\z@ \depth\@pagedp}}
26563 \long\def\@ympar#1{%
26564   \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
26565   \global\setbox\@currbox\copy\@marbox
26566   \@xympar}
26567 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
26568 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
26569 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
26570 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
26571   \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
26572 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar

```



```

26573 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
26574 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
26575 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
26576 \fi}
26577
26578 \newcommand*\@bidi@font@@@outputpage}{}
26579
26580 \def\@outputpage{%
26581 \begingroup % the \endgroup is put in by \aftergroup
26582 \let \protect \noexpand
26583 \@resetactivechars
26584 \global\let\@if@newlist\if@newlist
26585 \global\@newlistfalse
26586 \@parboxrestore
26587 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
26588 \bidi@beforeoutputpageshipouthook
26589 \shipout \vbox{%
26590 \set@typeset@protect
26591 \aftergroup \endgroup
26592 \aftergroup \set@typeset@protect
26593 % correct? or just restore by ending
26594 % the group?
26595 \if@specialpage
26596 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
26597 \fi
26598 \if@twoside
26599 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfont
26600 \if@RTLmain
26601 \let\@themargin\evensidemargin
26602 \else
26603 \let\@themargin\oddsidemargin
26604 \fi
26605 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
26606 \if@RTLmain
26607 \let\@themargin\oddsidemargin
26608 \else
26609 \let\@themargin\evensidemargin
26610 \fi
26611 \fi
26612 \ifx\@thehead\@empty \let\@thehead\hfil \fi
26613 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
26614 \else %% not @twoside
26615 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
26616 \ifx\@oddfont\@empty \let\@thefoot\hfil \fi
26617 \fi
26618 \reset@font
26619 \normalsize
26620 \bidi@font@@@outputpage
26621 \normalsfcodes
26622 \let\label\@gobble
26623 \let\index\@gobble
26624 \let\glossary\@gobble
26625 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
26626 \@begindvi

```



```

26627 \vskip \topmargin
26628 \moveright\@themargin \vbox {%
26629   \global\let\bidibeforeheader\@firstofone
26630   \bidibeforeheaderhook
26631   \setbox\@tempboxa \vbox to\headheight{%
26632     \vfil
26633     \color@hbox
26634     \normalcolor
26635     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thead\if@
26636     \color@endbox
26637   }%
26638   \dp\@tempboxa \z@
26639   \box\@tempboxa
26640   \vskip \headsep
26641   \global\let\bidibeforeoutputboxoutputpage\@firstofone
26642   \bidibeforeoutputboxoutputpagehook
26643   \box\@outputbox
26644   \global\let\bidiafteroutputboxoutputpage\@firstofone
26645   \bidiafteroutputboxoutputpagehook
26646   \global\let\bidibeforefooter\@firstofone
26647   \bidibeforefooterhook
26648   \baselineskip \footskip
26649   \color@hbox
26650   \normalcolor
26651   \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@tfoot\if@
26652   \color@endbox
26653   \global\let\bidiafterfooter\@firstofone
26654   \bidiafterfooterhook
26655   }%
26656 }%
26657 \global\let\bidiafteroutputpageshipout\@firstofone
26658 \bidiafteroutputpageshipouthook
26659 \global\let\if@newlist\@if@newlist
26660 \global \colht \textheight
26661 \stepcounter{page}%
26662 \let\firstmark\botmark
26663 \global\let\bidiatendoutputpage\@firstofone
26664 \bidiatendoutputpagehook
26665 }
26666 \long\def\@makecaption#1#2{%
26667   \vskip\abovecaptionskip
26668   \sbox\@tempboxa{#1: #2}%
26669   \ifdim \wd\@tempboxa >\hsize
26670     \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
26671   \else
26672     \global \@minipagefalse
26673     \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
26674     \fi
26675     \vskip\belowcaptionskip}
26676 \let\bidisaved@eqno=\eqno
26677 \let\bidisaved@leqno=\leqno
26678 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
26679 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
26680 \ifpackageloaded{amsmath}{-}{

```



```

26681 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
26682 }
26683 \input{footnote-xetex-bidi.def}
26684 \if@twocolumn
26685 \let\autofooterule\relax
26686 \let\leftfootnoterule\relax
26687 \let\rightfootnoterule\relax
26688 \textwidthfootnoterule
26689 \fi
26690 \if@bidi@csundef{@idxitem}{}{%
26691 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40p@}%
26692 }
26693 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
26694 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
26695 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
26696 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
26697 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
26698 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
26699 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
26700 \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{}
26701 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
26702 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
26703 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
26704 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
26705 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
26706 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
26707 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
26708 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
26709 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
26710 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
26711 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
26712 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
26713 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
26714 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
26715 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
26716 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
26717 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
26718 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
26719 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
26720 \@ifpackageloaded{amsmath}{}{%
26721 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
26722 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
26723 }
26724 \@ifpackageloaded{mathtools}{%
26725 \RequirePackage{graphicx}%
26726 \input{mathtools-xetex-bidi.def}%
26727 }{}
26728 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
26729 \@ifpackageloaded{lscap}{\RequirePackage{graphicx}}{}
26730 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
26731 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
26732 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
26733 \@ifpackagewith{algorithm2e}{algonl}{%
26734 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{A

```



```

26735 }{}
26736 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
26737 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
26738 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
26739 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
26740 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
26741 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
26742 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
26743 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
26744 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
26745 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
26746 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
26747 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}
26748 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
26749 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
26750 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
26751 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
26752 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
26753 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}
26754 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
26755 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
26756 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
26757 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
26758 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
26759 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
26760 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
26761 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
26762 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
26763 \@ifpackageloaded{lscap}{\input{lscap-xetex-bidi.def}}{}
26764 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
26765 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
26766 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
26767 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
26768 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
26769 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
26770 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
26771 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
26772 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
26773 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
26774 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
26775 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
26776 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
26777 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
26778 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
26779 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
26780 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
26781 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
26782 \@ifpackageloaded{letrine}{\input{letrine-xetex-bidi.def}}{}
26783 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
26784 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
26785 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
26786 \@iftextfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
26787 \@iftextfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
26788 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}

```



```

26789 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
26790 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
26791 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
26792 \@ifpackagewith{sidecap}{innercaption}{%
26793 \if@RTL \renewcommand*\SC@FLOAT}[2]{%
26794 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {#1}\hspace{\sidecaptionsep}{#2}}
26795 \renewcommand*\SC@justify@caption{%
26796 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
26797 \renewcommand*\SC@FLOAT}[2]{%
26798 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {#2}\hspace{\sidecaptionsep}{#1}}
26799 \renewcommand*\SC@justify@caption{%
26800 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
26801 }{}
26802 \@ifpackagewith{sidecap}{rightcaption}{%
26803 \if@RTL\renewcommand*\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
26804 \def\SC@justify@caption{\RaggedLeft}\else%
26805 \renewcommand*\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
26806 \def\SC@justify@caption{\RaggedRight}\fi%
26807 }{}
26808 \@ifpackagewith{sidecap}{leftcaption}{%
26809 \if@RTL \renewcommand*\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
26810 \def\SC@justify@caption{\RaggedRight}\else%
26811 \renewcommand*\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
26812 \def\SC@justify@caption{\RaggedLeft}\fi%
26813 }{}
26814 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
26815 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
26816 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
26817 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
26818 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
26819 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
26820 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
26821 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
26822 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
26823 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
26824 \@ifpackageloaded{nicematrix}{\input{nicematrix-xetex-bidi.def}}{}
26825 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
26826 \@ifpackageloaded{pgfsys}{\input{pgfsys.code-xetex-bidi.def}}{}
26827 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
26828 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
26829 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
26830 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
26831 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
26832 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
26833 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
26834 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
26835 \@ifpackageloaded{tocbibind}{\ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
26836 \@ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
26837 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
26838 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}
26839 \@ifpackageloaded{beamerbaseauxtemplates}{\input{beamerbaseauxtemplates-xetex-bidi.def}}{}
26840 \@ifpackageloaded{beamerbaseboxes}{\input{beamerbaseboxes-xetex-bidi.def}}{}
26841 \@ifpackageloaded{beamerbasecolor}{\input{beamerbasecolor-xetex-bidi.def}}{}
26842 \@ifpackageloaded{beamerbasecompatibility}{\input{beamerbasecompatibility-xetex-bidi.def}}{}

```





```

26843 \@ifpackageloaded{beamerbaseframecomponents}{\input{beamerbaseframecomponents-xetex-bidi.def}}
26844 \@ifpackageloaded{beamerbaseframesize}{\input{beamerbaseframesize-xetex-bidi.def}}{}
26845 \@ifpackageloaded{beamerbaselocalstructure}{\input{beamerbaselocalstructure-xetex-bidi.def}}{}
26846 \@ifpackageloaded{beamerbasemisc}{\input{beamerbasemisc-xetex-bidi.def}}{}
26847 \@ifpackageloaded{beamerbasenavigation}{\input{beamerbasenavigation-xetex-bidi.def}}{}
26848 \@ifpackageloaded{beamerbaseoverlay}{\input{beamerbaseoverlay-xetex-bidi.def}}{}
26849 \@ifpackageloaded{beamerinnerthemedefault}{\input{beamerinnerthemedefault-xetex-bidi.def}}{}
26850 \@ifpackageloaded{beamerinnerthemecircles}{\input{beamerinnerthemecircles-xetex-bidi.def}}{}
26851 \@ifpackageloaded{beamerinnerthemefocus}{\input{beamerinnerthemefocus-xetex-bidi.def}}{}
26852 \@ifpackageloaded{beamerinnerthemeinmargin}{\input{beamerinnerthemeinmargin-xetex-bidi.def}}{}
26853 \@ifpackageloaded{beamerinnerthememetropolis}{\input{beamerinnerthememetropolis-xetex-bidi.d}}
26854 \@ifpackageloaded{beamerinnerthemerectangles}{\input{beamerinnerthemerectangles-xetex-bidi.d}}
26855 \@ifpackageloaded{beamerinnerthememrounded}{\input{beamerinnerthememrounded-xetex-bidi.def}}{}
26856 \@ifpackageloaded{beamerouterthemedefault}{\input{beamerouterthemedefault-xetex-bidi.def}}{}
26857 \@ifpackageloaded{beamerouterthemefocus}{\input{beamerouterthemefocus-xetex-bidi.def}}{}
26858 \@ifpackageloaded{beamerouterthemeinfoclines}{\input{beamerouterthemeinfoclines-xetex-bidi.def}}
26859 \@ifpackageloaded{beamerouterthememetropolis}{\input{beamerouterthememetropolis-xetex-bidi.d}}
26860 \@ifpackageloaded{beamerouterthememiniframes}{\input{beamerouterthememiniframes-xetex-bidi.d}}
26861 \@ifpackageloaded{beamerouterthemesidebar}{\input{beamerouterthemesidebar-xetex-bidi.def}}{}
26862 \@ifpackageloaded{beamerouterthemesplit}{\input{beamerouterthemesplit-xetex-bidi.def}}{}
26863 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}
26864 \@ifpackageloaded{beamerouterthemessmoothbars}{\input{beamerouterthemessmoothbars-xetex-bidi.d}}
26865 \@ifpackageloaded{beamerouterthemessmoothtree}{\input{beamerouterthemessmoothtree-xetex-bidi.d}}
26866 \@ifpackageloaded{beamerouterthemetree}{\input{beamerouterthemetree-xetex-bidi.def}}{}
26867 \@ifpackageloaded{beamerthemeHannover}{\input{beamerthemeHannover-xetex-bidi.def}}{}
26868 \@ifpackageloaded{beamerthemeSingapore}{\input{beamerthemeSingapore-xetex-bidi.def}}{}

```

## 163 File xltextra-xetex-bidi.def

```

26869 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package]
26870 \let\@XeTeX\XeTeX
26871 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
26872 \let\@XeLaTeX\XeLaTeX
26873 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

## 164 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in **roman** refer to the code lines where the entry is used.

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