



The bidi Package

Source documentation for [version 25.09.13](#)

*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.

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The *bidi* Package

Bidirectional typesetting with plain \TeX and \LaTeX formats in Xe \TeX and Lua \TeX engines

Source documentation for [version 25.09.13](#)

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*Thanks to the `bidi-tex` GitHub organization consisted of David Carlisle and other members of the \LaTeX team for maintaining the package in the period 2018–2020.

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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\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
13    \if@RTL\leftskip\else\righskip\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     \@makefntext{%
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 \@makefnmark%
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 \@makefnmark%
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\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@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   \uppercasenonmath\shorttitle
115   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116   \else \andify\shortauthors
117   \fi
118   \@maketitle@hook
119   \begingroup
120   \@maketitle
121   \toks@{\exp{\shortauthors}\@temptokena\exp{\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}[2025/01/03 v0.3 bidi adaptations for algorithm2e p
166 \expandafter\ifx\cscname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\cscname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi
170 \ApplyPatchIfPackageLoadedF{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 }
196
197 \@ifpackagewith{algorithm2e}{algonl}{%
198 \renewcommand{\theAlgoLine}{\expandafter\cscname the\algocf@float\endcsname\@SepMark\arabic{A
199 }{}
200
201 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
202
203 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
204
205 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}

```

4 File amsbook-xetex-bidi.def



```

206 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for
207 \def\tocline#1#2#3#4#5#6#7{\relax
208   \ifnum #1>\c@tocdepth % then omit
209   \else
210     \par \addpenalty\@secpenalty\addvspace{#2}%
211     \begingroup \hyphenpenalty\@M
212     \@ifempty{#4}{%
213       \@tempdima\c@tocindent\number#1\endcsname\relax
214     }{%
215       \@tempdima#4\relax
216     }%
217     \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip
218     \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
219     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
220     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
221     \nobreak
222   \endgroup
223 \fi}
224 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
225 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
226 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
227 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
228 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
229   \columnseprule\z@ \columnsep 35\p@
230   \@indextitlestyle
231   \thispagestyle{plain}%
232   \let\item\@idxitem
233   \parindent\z@ \parskip\z@\@plus.3\p@\relax
234   \if@RTL\raggedleft\else\raggedright\fi
235   \hyphenpenalty\@M
236   \footnotesize}
237 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
238 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
239 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
240 \def\right@footnoterule{%
241   \kern-.4\p@
242   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
243   \kern11\p@\kern-\footnotesep}
244 \def\left@footnoterule{\kern-.4\p@
245   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
246
247 \long\def\@footnotetext#1{%
248   \insert\footins{%
249     \if@RTL\footnote\@RTLtrue\else\@RTLfalse\fi%
250     \reset@font%
251     \bidi@footnotetext@font% \normalfont\footnotesize
252     \interlinepenalty\interfootnotelinepenalty
253     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
254     \floatingpenalty\@MM \hsize\columnwidth
255     \@parboxrestore \parindent\normalparindent \sloppy
256     \protected@edef\@currentlabel{%
257       \csname p@footnote\endcsname\@thefnmark}%
258     \@makefntext{%
259       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}

```



```

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

```



```

314 \ifnum\c@secnumdepth>\m@ne
315 \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
316 \rlap{\vbox to\z@{\vss
317 \centerline{\normalsize\mdseries
318 \uppercase\@xp{\chaptername}\enspace\thechapter}
319 \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
320 #1\par \endgroup
321 \skip@34\p@ \advance\skip@-\normalbaselineskip
322 \vskip\skip@ }
323 \def\maketitle{\par
324 \@topnum\z@ % this prevents figures from falling at the top of page 1
325 \begingroup
326 \@maketitle
327 \endgroup
328 \c@footnote\z@
329 \def\do##1{\let##1\relax}%
330 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
331 \do\author \do\@xauthor \do\address \do\@xaddress
332 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
333 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
334 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
335 }

```

5 File amsmath-xetex-bidi.def

```

336 \ProvidesFile{amsmath-xetex-bidi.def}[2020/05/16 v1.2 bidi adaptations for amsmath package f
337 \let\veqno=\eqno
338 \iftagsleft@ \let\veqno=\leqno \fi
339 \renewcommand{\numberwithin}[3][\arabic]{%
340 \ifundefined{c@#2}{\nocounterr{#2}}{%
341 \ifundefined{c@#3}{\nocnterr{#3}}{%
342 \addtoreset{#2}{#3}%
343 \exp\xdef\csname the#2\endcsname{%
344 \exp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
345 }
346 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italicco
347
348 \bidi@patchcmd\math@cr@@@align\place@tag{%
349 \place@tag
350 \else
351 \place@tag
352 }{}{}
353

```

6 File amstext-xetex-bidi.def

```

354 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package f
355 \def\textdef@#1#2#3{\hbox{%
356 \everymath{#1}%
357 \let\fontsize#2\selectfont
358 \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}

```

7 File amsthm-xetex-bidi.def



```

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

```

8 File array-xetex-bidi.def

```

361 \ProvidesFile{array-xetex-bidi.def}[2025/09/11 v0.7 bidi adaptations for array package for X
362 \def\@testpach{\@chclass
363 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
364 \ifnum \@lastchclass=7 5 \else
365 \ifnum \@lastchclass=8 \tw@ \else
366 \ifnum \@lastchclass=9 \thr@@
367 \else \z@
368 \ifnum \@lastchclass = 10 \else
369 \edef\@nextchar{\expandafter\string\@nextchar}%
370 \@chnum
371 \if \@nextchar c\z@ \else
372 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
373 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
374 \z@ \@chclass
375 \if \@nextchar |\@ne \else
376 \if \@nextchar !6 \else
377 \if \@nextchar @7 \else
378 \if \@nextchar <8 \else
379 \if \@nextchar >9 \else
380 10
381 \@chnum
382 \if \@nextchar m\thr@@ \else
383 \if \@nextchar p4 \else
384 \if \@nextchar b5 \else
385 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
386 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
387 \def\@tabular{%
388 \leavevmode
389 \UseTaggingSocket{tbl/hmode/begin}%
390 \hbox \bgroup\if@RTLtab\beginR \fi
391 \MathCollectFalse$\MathCollectTrue
392 \col@sep\tabcolsep \let\d@llarbegin\begin\group
393 \let\d@llarend\end\group
394 \@kernel@tabular@init
395 \@tabarray}
396 \def\endtabular{\endarray\m@th $\if@RTLtab\endR\fi\egroup
397 \UseTaggingSocket{tbl/hmode/end}%
398 }
399 \expandafter\let\csname endtabular*\endcsname=\endtabular
400 \ExplSyntaxOn
401 \def\@array[#1]#2{
402 \@tempdima \ht \strutbox
403 \advance \@tempdima by\extrarowheight
404 \setbox \@arstrutbox \hbox{\vrule
405 \@height \arraystretch \@tempdima
406 \@depth \arraystretch \dp \strutbox
407 \@width \z@}%
408 \tbl_save_outer_table_cols:
409 \begin\group

```



```

410 \@mkpream{#2}%
411 \tbl_count_table_cols:
412 \xdef\@preamble{
413   \noexpand \ar@ialign
414   \@halignto
415   \bgroup \@arstrut
416   \UseTaggingSocket{tbl/row/begin}
417   \tbl_init_cell_data_for_row:
418   \@preamble
419   \tabskip \z@ \cr}
420 \endgroup
421 \@arrayleft
422 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
423 \bgroup
424 \let \@sharp ##\let \protect \relax
425 \lineskip \z@
426 \baselineskip \z@
427 \mathsurround \z@
428 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty
429 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
430 \UseTaggingSocket{tbl/init}
431 \@preamble
432 }
433 \let\@array\@array
434 \def\endarray {
435   \tbl_crcr:n{endarray}
436   \tag_socket_use_expandable:n { math/luamml/array/save }
437   \egroup
438   \tag_socket_use:n { tbl/finalize }
439   \tbl_restore_outer_cell_data:
440   \if@RTLtab\egroup\endR\egroup\fi
441   \egroup
442   \tag_socket_use:n { math/luamml/array/finalize }
443   \@arrayright \gdef\@preamble{}%
444 }
445 \def\array{\col@sep\arraycolsep
446 \def\dollarbegin{$\tag_socket_use:n { math/luamml/array/initcol }}
447 \def\dollarend
448 {
449   \tag_socket_use:nn { math/luamml/save/nn }{{}}{mtd}}
450   $
451   \tag_socket_use:nn { math/luamml/array/finalizecol}{\the\@chnum}
452 }
453 \def\@halignto{}%
454 \def\@RTLtabfalse
455 \def\@tabarray}
456 \ExplSyntaxOff

```

9 File article-xetex-bidi.def

```

457 \ProvidesFile{article-xetex-bidi.def}[2025/09/08 v1.1 bidi adaptations for standard article
458 \IfClassLoadedT{svmult}{\endinput}
459 \if@titlepage
460 \renewcommand\maketitle{\begin{titlepage}%

```



```

461 \let\footnotesize\small
462 \let\right@footnoterule\relax
463 \let\left@footnoterule\relax
464 \let\textwidth@footnoterule\relax
465 \let \footnote \thanks
466 \let \LTRfootnote \LTRthanks
467 \let \RTLfootnote \RTLthanks
468 \null\vfil
469 \vskip 60\p@
470 \begin{center}%
471   {\LARGE \@title \par}%
472   \vskip 3em%
473   {\large
474     \lineskip .75em%
475     \begin{tabular}[t]{c}%
476       \@author
477       \end{tabular}\par}%
478     \vskip 1.5em%
479     {\large \@date \par}%           % Set date in \large size.
480 \end{center}\par
481 \@thanks
482 \vfil\null
483 \end{titlepage}%
484 \setcounter{footnote}{0}%
485 \global\let\thanks\relax
486 \global\let\LTRthanks\relax
487 \global\let\RTLthanks\relax
488 \global\let\maketitle\relax
489 \global\let\@thanks\@empty
490 \global\let\@author\@empty
491 \global\let\@date\@empty
492 \global\let\@title\@empty
493 \global\let\title\relax
494 \global\let\author\relax
495 \global\let\date\relax
496 \global\let\and\relax
497 }
498 \else
499 \renewcommand\maketitle{\par
500   \begingroup
501     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
502     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
503     \long\def\@makefntext##1{\parindent 1em\noindent
504       \hb@xt@1.8em{%
505         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
506     \if@twocolumn
507       \ifnum \col@number=\@ne
508         \@maketitle
509       \else
510         \twocolumn[\@maketitle]%
511       \fi
512     \else
513       \newpage
514       \global\@topnum\z@           % Prevents figures from going at top of page.

```



```

515     \@maketitle
516     \fi
517     \thispagestyle{plain}\@thanks
518 \endgroup
519 \setcounter{footnote}{0}%
520 \global\let\thanks\relax
521 \global\let\LTRthanks\relax
522 \global\let\RTLthanks\relax
523 \global\let\maketitle\relax
524 \global\let\@maketitle\relax
525 \global\let\@thanks\@empty
526 \global\let\@author\@empty
527 \global\let\@date\@empty
528 \global\let\@title\@empty
529 \global\let\title\relax
530 \global\let\author\relax
531 \global\let\date\relax
532 \global\let\and\relax
533 }
534 \def\@maketitle{%
535     \newpage
536     \null
537     \vskip 2em%
538     \begin{center}%
539     \let \footnote \thanks
540     \let \LTRfootnote \LTRthanks
541     \let \RTLfootnote \RTLthanks
542     {\LARGE \@title \par}%
543     \vskip 1.5em%
544     {\large
545     \lineskip .5em%
546     \begin{tabular}[t]{c}%
547     \@author
548     \end{tabular}\par}%
549     \vskip 1em%
550     {\large \@date}%
551     \end{center}%
552     \par
553     \vskip 1.5em}
554 \fi
555 \renewcommand*\l@part[2]{%
556     \ifnum \c@tocdepth >-2\relax
557     \addpenalty\@secpenalty
558     \addvspace{2.25em \@plus\p@}%
559     \setlength\@tempdima{3em}%
560     \begingroup
561     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
562     \parfillskip -\@pnumwidth
563     {\leavevmode
564     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
565     \nobreak
566     \if@compatibility
567     \global\@nobreaktrue
568     \everypar{\global\@nobreakfalse\everypar{}}}%

```




```

569     \fi
570   \endgroup
571 \fi}
572 \renewcommand*\l@section[2]{%
573   \ifnum \c@tocdepth >\z@
574     \addpenalty\@secpenalty
575     \addvspace{1.0em \@plus\p@}%
576     \setlength\@tempdima{1.5em}%
577     \begingroup
578       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
579       \parfillskip -\@pnumwidth
580       \leavevmode \bfseries
581       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
582       \hskip -\if@RTL\rightskip\else\leftskip\fi
583       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
584     \endgroup
585   \fi}
586 \renewcommand\left@footnoterule{%
587   \kern-3\p@
588   \hrule\@width.4\columnwidth
589   \kern2.6\p@}
590 \renewcommand\right@footnoterule{%
591   \kern-3\p@
592   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
593   \kern2.6\p@}
594 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
595 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
596 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
597 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
598 \ApplyPatchIfPackageLoaded{nameref}{%
599   \bidi@patchcmd\NR@part\raggedright{%
600     \if@RTL\raggedleft\else\raggedright\fi
601   }{\bidi@warningnoline{Oops! patching `string\NR@part' failed}}%
602   \bidi@patchcmd\NR@spart\raggedright{%
603     \if@RTL\raggedleft\else\raggedright\fi
604   }{\bidi@warningnoline{Oops! patching `string\NR@spart' failed}}%
605 }{%
606   \bidi@patchcmd\@part\raggedright{%
607     \if@RTL\raggedleft\else\raggedright\fi
608   }{\bidi@warningnoline{Oops! patching `string\@part' failed}}%
609   \bidi@patchcmd\@spart\raggedright{%
610     \if@RTL\raggedleft\else\raggedright\fi
611   }{\bidi@warningnoline{Oops! patching `string\@spart' failed}}%
612 }
613 \renewenvironment{thebibliography}[1]
614   {\section*\refname}%
615   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
616   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
617   \bidi@@thebibliography@font@hook%
618   \list{\@biblabel{\@arabic\c@enumiv}}%
619     {\settowidth\labelwidth{\@biblabel{#1}}%
620     \leftmargin\labelwidth
621     \advance\leftmargin\labelsep
622     \@openbib@code

```



```

623         \usecounter{enumiv}%
624         \let\p@enumiv\@empty
625         \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
626     \sloppy
627     \clubpenalty4000
628     \@clubpenalty \clubpenalty
629     \widowpenalty4000%
630     \sfcode`.\@m}
631 {\def\@noitemerr
632   {\@latex@warning{Empty `thebibliography' environment}}}%
633   \endlist}
634 \renewenvironment{theindex}
635   {\if@twocolumn
636     \@restonecolfalse
637   \else
638     \@restonecoltrue
639   \fi
640   \columnseprule \z@
641   \columnsep 35\p@
642   \twocolumn[\section*{\indexname}]}%
643   \@mkboth{\MakeUppercase\indexname}%
644   {\MakeUppercase\indexname}%
645   \thispagestyle{plain}\parindent\z@
646   \parskip\z@ \@plus .3\p@\relax
647   \let\item\@idxitem}
648   {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

728 \if@oldtoc
729 \renewcommand*\l@section[2]{%
730     \addpenalty\@secpenalty
731     \addvspace{1.0em \@plus\p@}%
732     \setlength\@tempdima{1.5em}%
733     \begingroup
734     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
735     \parfillskip -\@pnumwidth
736     \leavevmode \bfseries
737     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
738     \hskip -\if@RTL\rightskip\else\leftskip\fi
739     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
740     \endgroup}
741 \else
742     \renewcommand*\l@section{\@regtocline{1}}
743 \fi
744 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
745 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
746 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
747 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
748 \renewenvironment{thebibliography}[1]
749     {\section*\refname}%
750     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
751     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
752     \bidi@thebibliography@font@hook%
753     \list{\@biblabel{\@arabic\c@enumiv}}%
754         {\settowidth\labelwidth{\@biblabel{#1}}%
755         \leftmargin\labelwidth
756         \advance\leftmargin\labelsep
757         \@openbib@code
758         \usecounter{enumiv}%
759         \let\p@enumiv\@empty
760         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
761     \sloppy\clubpenalty4000\widowpenalty4000%
762     \sfcode\.\@m}
763     {\def\@noitemerr
764     {\@latex@warning{Empty `thebibliography' environment}}}%
765     \endlist}
766 \renewcommand*\left@footnoterule{%
767     \kern-3\p@
768     \kern.5\baselineskip
769     \hrule\@width\unitindent
770     \kern.4\baselineskip
771 }
772 \renewcommand*\right@footnoterule{%
773     \kern-3\p@
774     \kern.5\baselineskip
775     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
776     \kern.4\baselineskip}
777 \if@titlepage
778 \renewcommand*\TitleFont{\rmfamily}
779 \renewcommand*\maketitle{%
780     \begin{titlepage}%
781     \let\footnotesize\small

```



```

782 \let\right@footnoterule\relax
783 \let\left@footnoterule\relax
784 \let\textwidth@footnoterule\relax
785 \let \footnote \thanks
786 \long\def\@makefntext##1{\parindent\z@
787 \def\labelitemi{\textendash}\@revlabeltrue
788 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
789 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
790 \if@compatibility\setcounter{page}{0}\fi
791 \null\vfil
792 \vskip 60\p@
793 \begin{center}%
794 \TitleFont
795 {\LARGE \def\\{\penalty -\@M}
796 \if@allcaps
797 \expandafter\uc@nothanks\@title\thanks\relax
798 \else
799 \@title
800 \fi\par}%
801 \vskip 3em%
802 {\large
803 \lineskip .75em \parindent\z@
804 \begin{tabular}[t]{c}%
805 \if@allcaps
806 \expandafter\uc@authornothanks\@author\and\relax
807 \else
808 \@author
809 \fi
810 \end{tabular}\par}%
811 \vskip 1.5em%
812 {\large
813 \if@allcaps
814 \uppercase\expandafter{\@date}%
815 \else
816 \@date
817 \fi\par}%
818 \end{center}\par
819 \@thanks
820 \vfil\null
821 \end{titlepage}%
822 \setcounter{footnote}{0}%
823 \global\let\thanks\relax
824 \global\let\maketitle\relax
825 \global\let\@thanks\@empty
826 \global\let\@author\@empty
827 \global\let\@title\@empty
828 \global\let\@date\@empty
829 \global\let\title\relax
830 \global\let\author\relax
831 \global\let\date\relax
832 \global\let\and\relax
833 }
834 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
835 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax

```



```

836 \futurelet\@tempa\uc@ax}
837 \def\uc@ax{%
838 \ifx\@tempa\relax
839 \else
840 \\\andname \\\expandafter\uc@authornothanks
841 \fi}
842 \def\uc@tx{\ifx\@tempa\relax
843 \else \expandafter\uc@ty \fi}
844 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
845 \else
846 \renewcommand*\maketitle{\par
847 \begingroup
848 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
849 \def\@makefnmark{\rlap{%
850 \@textsuperscript{\normalfont\@thefnmark}}}%
851 \long\def\@makefntext{\@xmakefntext{%
852 \@textsuperscript{\normalfont\@thefnmark}}}%
853 \if@twocolumn
854 \ifnum \col@number=\@one
855 \@maketitle
856 \else
857 \twocolumn[\@maketitle]%
858 \fi
859 \else
860 \newpage
861 \global\@topnum\z@
862 \@maketitle
863 \fi
864 \thispagestyle{plain}\@thanks
865 \endgroup
866 \setcounter{footnote}{0}%
867 \global\let\thanks\relax
868 \global\let\maketitle\relax
869 \global\let\@maketitle\relax
870 \global\let\@thanks\@empty
871 \global\let\@author\@empty
872 \global\let\@title\@empty
873 \global\let\@date\@empty
874 \global\let\title\relax
875 \global\let\author\relax
876 \global\let\date\relax
877 \global\let\and\relax
878 }
879 \def\@maketitle{%
880 \newpage
881 \null
882 \vskip 2em%
883 \begin{center}%
884 \let \footnote \thanks
885 {\LARGE \TitleFont \@title \par}%
886 \vskip 1.5em%
887 {\large \TitleFont
888 \lineskip .5em%
889 \begin{tabular}[t]{c}%

```



```

890      \@author
891    \end{tabular}\par}%
892    \vskip 1em%
893    {\large \TitleFont \@date}%
894  \end{center}%
895  \par
896  \vskip 1.5em}
897 \fi

```

11 File artikel2-xetex-bidi.def

```

898 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class f
899 \renewenvironment{theindex}{%
900   \if@twocolumn
901     \@restonecolfalse
902   \else
903     \@restonecoltrue
904   \fi
905   \columnseprule \z@
906   \columnsep 35\p@
907   \twocolumn[\section*{\indexname}]%
908   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
909   \thispagestyle{plain}\parindent\z@
910   \parskip\z@ \@plus .3\p@\relax
911   \let\item\@idxitem
912 }{%
913   \if@restonecol\onecolumn\else\clearpage\fi}
914 \renewcommand*\@regtocline[3]{%
915   \ifnum #1>\c@tocdepth
916   \else
917     \vskip\z@\@plus.2\p@
918     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
919     \if@RTL\righskip\else\leftskip\fi\unitindent
920     \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
921     \parfillskip\z@
922     \@tempdima\unitindent
923     \advance\@tempdima by \othermargin
924     \parindent\z@
925     \leavevmode
926     \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
927     \hskip 1em \nobreak{\slshape #3}\par
928   }%
929   \fi}
930 \if@oldtoc
931 \renewcommand*\l@section[2]{%
932   \addpenalty\@secpenalty
933   \addvspace{1.0em \@plus\p@}%
934   \setlength\@tempdima{1.5em}%
935   \begingroup
936   \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
937   \parfillskip -\@pnumwidth
938   \leavevmode \bfseries
939   \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
940   \hskip -\if@RTL\righskip\else\leftskip\fi

```



```

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

```




```

995     \fi}
996     {\if@twocolumn\else\par\endlist\fi}
997 \fi
998 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
999 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1000 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1001 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1002 \renewcommand*\left@footnoterule{%
1003     \kern-3\p@
1004     \hrule\@width 3\unitindent
1005     \kern 2.6\p@
1006 }
1007 \renewcommand*\right@footnoterule{%
1008     \kern-3\p@
1009     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
1010     \kern 2.6\p@}
1011 \renewenvironment{thebibliography}[1]
1012     {\section*{\refname}%
1013         \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1014         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1015         \bidi@thebibliography@font@hook%
1016         \list{\@biblabel{\@arabic\c@enumiv}}%
1017             {\settowidth\labelwidth{\@biblabel{#1}}%
1018             \leftmargin\labelwidth
1019             \advance\leftmargin\labelsep
1020             \@openbib@code
1021             \usecounter{enumiv}%
1022             \let\p@enumiv\@empty
1023             \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1024         \sloppy\clubpenalty4000\widowpenalty4000%
1025         \sfcode`\.\@m}
1026     {\def\@noitemerr
1027         {\@latex@warning{Empty `thebibliography' environment}}}%
1028     \endlist}
1029 \if@titlepage
1030 \renewcommand*\TitleFont{\rmfamily}
1031 \renewcommand*\maketitle{%
1032     \begin{titlepage}%
1033         \let\footnotesize\small
1034         \let\right@footnoterule\relax
1035         \let\left@footnoterule\relax
1036         \let\textwidth\footnoterule\relax
1037         \let \footnote \thanks
1038         \long\def\@makefnmark##1{\parindent\z@
1039             \def\labelitemi{\textendash}\@revlabeltrue
1040             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1041         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1042         \if@compatibility\setcounter{page}{0}\fi
1043         \null\vfil
1044         \vskip 60\p@
1045         \begin{center}%
1046             \TitleFont
1047             {\LARGE \def\\{\penalty -\@M}
1048             \if@allcaps

```



```

1049         \expandafter\uc@nothanks\@title\thanks\relax
1050     \else
1051         \@title
1052     \fi\par}%
1053 \vskip 3em%
1054 {\large
1055     \lineskip .75em \parindent\z@
1056     \begin{tabular}[t]{c}%
1057         \if@allcaps
1058             \expandafter\uc@authornothanks\@author\and\relax
1059         \else
1060             \@author
1061         \fi
1062     \end{tabular}\par}%
1063 \vskip 1.5em%
1064 {\large
1065     \if@allcaps
1066         \uppercase\expandafter{\@date}%
1067     \else
1068         \@date
1069     \fi\par}%
1070 \end{center}\par
1071 \@thanks
1072 \vfil\null
1073 \end{titlepage}%
1074 \setcounter{footnote}{0}%
1075 \global\let\thanks\relax
1076 \global\let\maketitle\relax
1077 \global\let\@thanks\@empty
1078 \global\let\@author\@empty
1079 \global\let\@title\@empty
1080 \global\let\@date\@empty
1081 \global\let\title\relax
1082 \global\let\author\relax
1083 \global\let\date\relax
1084 \global\let\and\relax
1085 }
1086 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1087 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1088     \futurelet\@tempa\uc@ax}
1089 \def\uc@ax{%
1090     \ifx\@tempa\relax
1091     \else
1092         \\\andname \\\expandafter\uc@authornothanks
1093     \fi}
1094 \def\uc@tx{\ifx\@tempa\relax
1095     \else \expandafter\uc@ty \fi}
1096 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1097 \else
1098 \renewcommand*\maketitle{\par
1099     \begingroup
1100     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1101     \long\def\@makefntext##1{\parindent\z@
1102         \def\labelitemi{\textendash}%

```



```

1103     \leavevmode\hb@xt@.5\unitindent{%
1104         \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1105 \if@twocolumn
1106     \ifnum \col@number=\@ne
1107         \@maketitle
1108     \else
1109         \twocolumn[\@maketitle]%
1110     \fi
1111 \else
1112     \newpage
1113     \global\@topnum\z@
1114     \@maketitle
1115 \fi
1116 \thispagestyle{plain}\@thanks
1117 \endgroup
1118 \setcounter{footnote}{0}%
1119 \global\let\thanks\relax
1120 \global\let\maketitle\relax
1121 \global\let\@maketitle\relax
1122 \global\let\@thanks\@empty
1123 \global\let\@author\@empty
1124 \global\let\@title\@empty
1125 \global\let\@date\@empty
1126 \global\let\title\relax
1127 \global\let\author\relax
1128 \global\let\date\relax
1129 \global\let\and\relax
1130 }
1131 \def\@maketitle{%
1132     \newpage
1133     \null
1134     \vskip 2em%
1135     \begin{center}%
1136         \let \footnote \thanks
1137         {\LARGE \TitleFont \@title \par}%
1138         \vskip 1.5em%
1139         {\large \TitleFont
1140             \lineskip .5em%
1141             \begin{tabular}[t]{c}%
1142                 \@author
1143             \end{tabular}\par}%
1144         \vskip 1em%
1145         {\large \TitleFont \@date}%
1146     \end{center}%
1147     \par
1148     \vskip 1.5em}
1149 \fi

```

12 File artikel3-xetex-bidi.def

```

1150 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class f
1151 \renewenvironment{theindex}{%
1152     \if@twocolumn
1153         \@restonecolfalse

```



```

1154 \else
1155 \@restonecoltrue
1156 \fi
1157 \columnseprule \z@
1158 \columnsep 35\p@
1159 \twocolumn[\section*{\indexname}]%
1160 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1161 \thispagestyle{plain}\parindent\z@
1162 \parskip\z@ \@plus .3\p@\relax
1163 \let\item\@idxitem
1164 }{%
1165 \if@restonecol\onecolumn\else\clearpage\fi}
1166 \renewcommand*\head@style{%
1167 \interlinepenalty \@M
1168 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1169 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1170 \renewcommand*\@regtocline[3]{%
1171 \ifnum #1>\c@tocdepth
1172 \else
1173 \vskip\z@ \@plus.2\p@
1174 {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
1175 \if@RTL\rightskip\else\leftskip\fi\unitindent
1176 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1177 \parfillskip\z@
1178 \@tempdima\unitindent
1179 \parindent\z@
1180 \leavevmode
1181 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1182 \hskip 1em \nobreak{\slshape #3}\par
1183 }%
1184 \fi}
1185 \if@oldtoc
1186 \renewcommand*\l@part[2]{%
1187 \ifnum \c@tocdepth >-2\relax
1188 \addpenalty\@secpenalty
1189 \addvspace{2.25em \@plus\p@}%
1190 \begingroup
1191 \setlength\@tempdima{3em}%
1192 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1193 \parfillskip -\@pnumwidth
1194 {\leavevmode
1195 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1196 \nobreak
1197 \if@compatibility
1198 \global\@nobreaktrue
1199 \everypar{\global\@nobreakfalse\everypar{}}%
1200 \fi
1201 \endgroup
1202 \fi}
1203 \else
1204 \renewcommand*\l@part{%
1205 \ifnum \c@tocdepth >-2\relax
1206 \addpenalty\@secpenalty
1207 \addvspace{2.25em \@plus \p@}%

```



```

1208 \regtocline{0}%
1209 \fi}
1210 \fi
1211
1212 \if@oldtoc
1213 \renewcommand*\l@section[2]{%
1214 \addpenalty\@secpenalty
1215 \addvspace{1.0em \@plus\p@}%
1216 \setlength\@tempdima{1.5em}%
1217 \begingroup
1218 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1219 \parfillskip -\@pnumwidth
1220 \leavevmode \bfseries
1221 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
1222 \hskip -\if@RTL\rightskip\else\leftskip\fi
1223 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1224 \endgroup}
1225 \else
1226 \renewcommand*\l@section{\@regtocline{1}}
1227 \fi
1228 \if@titlepage
1229 \renewenvironment{abstract}{%
1230 \titlepage
1231 \null\vfil
1232 \section*{\SectFont\abstractname}%
1233 \noindent\ignorespaces}
1234 {\par\vfil\null\endtitlepage}
1235 \else
1236 \renewenvironment{abstract}{%
1237 \if@twocolumn
1238 \section*{\abstractname}%
1239 \else
1240 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1241 \section*{\small\SectFont\abstractname}%
1242 \noindent\ignorespaces
1243 \fi}
1244 {\if@twocolumn\else\par\egroup\fi}
1245 \fi
1246 \renewcommand*\left@footnoterule{%
1247 \kern-3\p@
1248 \kern.5\baselineskip
1249 \hrule\@width\unitindent
1250 \kern.4\baselineskip
1251 }
1252 \renewcommand*\right@footnoterule{%
1253 \kern-3\p@
1254 \kern.5\baselineskip
1255 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1256 \kern.4\baselineskip}
1257 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1258 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1259 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1260 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1261 \renewenvironment{thebibliography}[1]

```



```

1262 {\section*{\refname}%
1263 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1264 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
1265 \bidi@thebibliography@font@hook%
1266 \list{\@biblabel{\@arabic\c@enumiv}}%
1267 {\settowidth\labelwidth{\@biblabel{#1}}%
1268 \leftmargin\labelwidth
1269 \advance\leftmargin\labelsep
1270 \@openbib@code
1271 \usecounter{enumiv}%
1272 \let\p@enumiv\@empty
1273 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1274 \sloppy\clubpenalty4000\widowpenalty4000%
1275 \sfcode\.\@m}
1276 {\def\@noitemerr
1277 {\@latex@warning{Empty `thebibliography' environment}}}%
1278 \endlist}
1279 \if@titlepage
1280 \renewcommand*\TitleFont{\rmfamily}
1281 \renewcommand*\maketitle{%
1282 \begin{titlepage}%
1283 \let\footnotesize\small
1284 \let\right@footnoterule\relax
1285 \let\left@footnoterule\relax
1286 \let\textwidth\footnoterule\relax
1287 \let\footnote\thanks
1288 \long\def\@makefntext##1{\parindent\z@
1289 \def\labelitemi{\textendash}\@revlabeltrue
1290 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1291 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1292 \if@compatibility\setcounter{page}{0}\fi
1293 \null\vfil
1294 \vskip 60\p@
1295 \begin{center}%
1296 \TitleFont
1297 {\LARGE \def\\{\penalty -\@M}
1298 \if@allcaps
1299 \expandafter\uc@nothanks\@title\thanks\relax
1300 \else
1301 \@title
1302 \fi\par}%
1303 \vskip 3em%
1304 {\large
1305 \lineskip .75em \parindent\z@
1306 \begin{tabular}[t]{c}%
1307 \if@allcaps
1308 \expandafter\uc@authornothanks\@author\and\relax
1309 \else
1310 \@author
1311 \fi
1312 \end{tabular}\par}%
1313 \vskip 1.5em%
1314 {\large
1315 \if@allcaps

```



```

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

```



```

1370 \global\let\maketitle\relax
1371 \global\let\@maketitle\relax
1372 \global\let\@thanks\@empty
1373 \global\let\@author\@empty
1374 \global\let\@title\@empty
1375 \global\let\@date\@empty
1376 \global\let\title\relax
1377 \global\let\author\relax
1378 \global\let\date\relax
1379 \global\let\and\relax
1380 }
1381 \def\@maketitle{%
1382 \newpage
1383 \null
1384 \vskip 2em%
1385 \if@titlecentered
1386 \begin{center}%
1387 \let \footnote \thanks
1388 {\LARGE \TitleFont \@title \par}%
1389 \vskip 1.5em%
1390 {\large \TitleFont
1391 \lineskip .5em%
1392 \begin{tabular}[t]{c}%
1393 \@author
1394 \end{tabular}\par}%
1395 \vskip 1em%
1396 {\large \TitleFont \@date}%
1397 \end{center}%
1398 \else
1399 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1400 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1401 \def\and{%% \begin{tabular} has already started
1402 \end{tabular}\hskip 1em plus .17fil
1403 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
1404 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}%
1405 \vskip 1em {\large \TitleFont \@date}
1406 \fi
1407 \par
1408 \vskip 1.5em}
1409 \fi

```

13 File arydshln-xetex-bidi.def

```

1410 \ProvidesFile{arydshln-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for arydshln package]
1411 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1412 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1413 \expandafter\let\csname endtabular*\endcsname\endtabular
1414 \let\adl@array\@array
1415 \def\@array{\adl@everyvbox\everyvbox
1416 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1417 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1418 \let\adl@noalign\noalign
1419 \adl@array}
1420 \ifadl@usingarypkg

```




```

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

```



```

1475             \if #1@tw@ \else
1476             \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1477     \fi \fi \fi \fi \fi \fi \fi \fi}
1478
1479 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1480     \or \or \@addamp \or
1481     \@acolampacol \or \@firstampfalse \@acol \fi
1482 \edef\@preamble{\@preamble
1483     \ifcase \@chnum
1484     \hfil\adl@putlrc{$\relax\@sharp$}\hfil
1485     \or \adl@putlrc{$\relax\@sharp$}\hfil
1486     \or \hfil\adl@putlrc{$\relax\@sharp$}\fi}}
1487 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1488     \or \or \@addamp \or
1489     \@acolampacol \or \@firstampfalse \@acol \fi
1490 \edef\@preamble{\@preamble
1491     \ifcase \@chnum
1492     \hfil\adl@putlrc{\@sharp\unskip}\hfil
1493     \or \adl@putlrc{\@sharp\unskip}\hfil
1494     \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1495 \def\adl@class@start{6}
1496 \def\adl@class@iiiorvii{3}
1497 \fi
1498 \ApplyPatchCodeToPackage{colortbl}{%
1499 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1500 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1501     \let\@endpbox\adl@org@endpbox}
1502 \let\adl@CT@setup\CT@setup
1503 \def\CT@setup{\adl@CT@setup
1504     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1505     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1506     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1507 \let\adl@act@CT@setup\CT@setup
1508 \def\@classz{\@classx
1509     \@tempcnta\count@ \prepnext@tok
1510     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1511     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1512     \expandafter\adl@extract@drsc
1513     \the\toks\@tempcnta\doublerulesepcolor!\@nil
1514     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1515     \@addtopreamble{\if@RTL\beginL\fi%
1516     \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1517     \ifcase \@chnum
1518     \hskip\stretch{.5}\kern\z@
1519     \dollarbegin
1520     \insert@column
1521     \dollarend\hskip\stretch{.5}%
1522     \or \dollarbegin \insert@column \dollarend \hfill
1523     \or \hfill \kern\z@ \dollarbegin \insert@column \dollarend
1524     \or $\vcenter
1525     \startpbox{\@nextchar}\insert@column \@endpbox $\%
1526     \or \vtop \startpbox{\@nextchar}\insert@column \@endpbox
1527     \or \vbox \startpbox{\@nextchar}\insert@column \@endpbox
1528     \fi

```



```

1529             \if@RTL\endR\fi\egroup\egroup
1530             \beginngroup
1531                 \CT@setup
1532                 \CT@column@color
1533                 \CT@row@color
1534                 \CT@cell@color
1535                 \CT@do@color
1536             \endgroup
1537             \@tempdima\ht\z@
1538             \advance\@tempdima\minrowclearance
1539             \vrule\@height\@tempdima\@width\z@
1540             \unhbox\z@\if@RTL\endL\fi}%
1541         \prepnext@tok}
1542 \let\adl@act@classz\@classz
1543 \let\adl@org@classz\@classz
1544 }

```

14 File beamer-xetex-bidi.def

```

1545 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for Xe
1546 \AtBeginDocument{%
1547   \if@RTLmain
1548     \raggedleft
1549   \else
1550     \raggedright
1551   \fi
1552 }
1553
1554 \renewcommand*{\bidi@beamer@ragged}{%
1555   \if@RTL
1556     \raggedleft
1557   \else
1558     \raggedright
1559   \fi
1560 }
1561
1562

```

15 File beamerbaseauxtemplates-xetex-bidi.def

```

1563 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2025/01/03 v0.5 bidi adaptations for be
1564 \bidi@csundef{beamer@tmpop@subsection in toc@sections numbered}
1565
1566 \bidi@csundef{beamer@tmpop@subsubsection in toc@sections numbered}
1567
1568 \bidi@csundef{beamer@tmpop@section in toc@subsections numbered}
1569
1570 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1571
1572 \bidi@csundef{beamer@tmpop@subsubsection in toc@subsections numbered}
1573
1574 \defbeamer-template{subsection in toc}{sections numbered}
1575 {\leavevmode\bidi@beamer@leftskip=2.5em\inserttocsubsection\par}
1576

```



```

1577 \defbeamertemplate{subsubsection in toc}{sections numbered}
1578 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3.5em\usebeamerfont{subsubsection in toc}\bidi@beamer@leftskip=3.5em\inserttocsubsubsection\par}
1579 \inserttocsubsubsection\par}
1580
1581 \defbeamertemplate{section in toc}{subsections numbered}
1582 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsection\par}
1583
1584 \defbeamertemplate{subsection in toc}{subsections numbered}
1585 {\leavevmode\bidi@beamer@leftskip=2em\rlap{\hskip-2em\inserttocsectionnumber.\inserttocsubsubsection\par}
1586
1587 \defbeamertemplate{subsubsection in toc}{subsections numbered}
1588 {\leavevmode\normalsize\usebeamerfont{subsection in
1589 toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}}%
1590 \inserttocsubsubsection\par}
1591
1592 \bidi@csundef{beamer@@tmpop@section in toc@circle}
1593
1594 \bidi@csundef{beamer@@tmpop@subsection in toc@circle}
1595
1596 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1597
1598 \defbeamertemplate{section in toc}{circle}
1599 {\leavevmode\bidi@beamer@leftskip=2ex%
1600 \llap{%
1601 \usebeamerfont*{section number projected}}%
1602 \usebeamerfont{section number projected}}%
1603 \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1604 \color{bg}
1605 \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1606 \pgfusepath{fill}
1607 \pgftext[base]{\color{fg}\inserttocsectionnumber}
1608 \end{pgfpicture}\kern1.25ex%
1609 }%
1610 \inserttocsection\par}
1611
1612 \defbeamertemplate{subsection in toc}{circle}
1613 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsubsection\par}
1614
1615 \defbeamertemplate{subsubsection in toc}{circle}
1616 {\leavevmode\normalsize\usebeamerfont{subsection in
1617 toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}}%
1618 \inserttocsubsubsection\par}
1619
1620 \bidi@csundef{beamer@@tmpop@section in toc@square}
1621
1622 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1623
1624 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1625
1626 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1627
1628 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1629
1630 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}

```



```

1631
1632 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1633
1634 \defbeamertemplate{section in toc}{square}
1635 {\leavevmode\bidi@beamer@leftskip=3ex%
1636 \llap{%
1637 \usebeamerfont*{section number projected}%
1638 \usebeamercolor[bg]{section number projected}%
1639 \if@RTL
1640 \else
1641 \vrule width2.25ex height1.85ex depth.4ex%
1642 \hskip-2.25ex%
1643 \fi
1644 \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}%
1645 \if@RTL
1646 \hskip-2.25ex%
1647 \vrule width2.25ex height1.85ex depth.4ex%
1648 \fi
1649 }\kern1.25ex}%
1650 \inserttocsection\par}
1651
1652 \defbeamertemplate{subsection in toc}{square}
1653 {\leavevmode\bidi@beamer@leftskip=5ex\llap{%
1654 \usebeamercolor[bg]{subsection number projected}%
1655 \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1656
1657 \defbeamertemplate{subsubsection in toc}{square}
1658 {\leavevmode\normalsize\usebeamerfont{subsection in
1659 toc}\bidi@beamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1660 \llap{%
1661 \usebeamercolor[bg]{subsubsection number projected}%
1662 \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1663
1664 \defbeamertemplate{enumerate item}{square}
1665 {
1666 \hbox{%
1667 \usebeamerfont*{item projected}%
1668 \usebeamercolor[bg]{item projected}%
1669 \if@RTL
1670 \else
1671 \vrule width2.25ex height1.85ex depth.4ex%
1672 \hskip-2.25ex%
1673 \fi
1674 \hbox to2.25ex{%
1675 \hfil%
1676 \color{fg}\insertenumlabel%
1677 \hfil}}%
1678 \if@RTL
1679 \hskip-2.25ex%
1680 \vrule width2.25ex height1.85ex depth.4ex%
1681 \fi
1682 }}%
1683 }
1684 [action]

```



```

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

```



```

1739 \hbox to2.25ex{{%
1740 \hfil%
1741 \color{fg}\insertenumlabel%
1742 \hfil}}}%
1743 \if@RTL
1744 \hskip-2.25ex%
1745 \vrule width2.25ex height1.85ex depth.4ex%
1746 \fi
1747 }}%
1748 }
1749
1750 \bidi@csundef{beamer@@tmpop@section in toc@ball unnumbered}
1751
1752 \bidi@csundef{beamer@@tmpop@subsection in toc@ball unnumbered}
1753
1754 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball unnumbered}
1755
1756 \defbeamertemplate{section in toc}{ball unnumbered}
1757 {\leavevmode\bidi@beamer@leftskip=2.25ex%
1758 \llap{%
1759 \raise0.1ex\beamer@usesphere{section number projected}{bigsphere}\kern1.25ex}%
1760 \inserttocsection\par}
1761
1762 \defbeamertemplate{subsection in toc}{ball unnumbered}
1763 {\leavevmode\bidi@beamer@leftskip=5.1ex\llap{%
1764 \raise0.2ex\beamer@usesphere{subsection number projected}{smallsphere}\kern1ex}\inserttocsection\par}
1765
1766 \defbeamertemplate{subsubsection in toc}{ball unnumbered}
1767 {\leavevmode\normalsize\usebeamerfont{subsection in
1768 toc}\bidi@beamer@leftskip=8.2ex\usebeamerfont{subsubsection in toc}%
1769 \llap{%
1770 \beamer@usesphere{subsubsection number projected}{smallsphere}\kern0.75ex}\inserttocsubsubsection\par}
1771
1772 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1773
1774 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1775
1776 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1777
1778 \defbeamertemplate{section in toc}{ball}
1779 {\leavevmode\bidi@beamer@leftskip=2.75ex%
1780 \llap{%
1781 \normalsize%
1782 \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1783 \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1784 \pgftext{%
1785 \usebeamerfont*{section number projected}%
1786 \usebeamercolor{section number projected}%
1787 \color{fg!90!bg}%
1788 \inserttocsectionnumber}
1789 \end{pgfpicture}%
1790 \kern1.25ex}%
1791 \inserttocsection\par
1792 }

```



```

1793 [action]
1794 {\setbeamerfont{section number projected}{size=\scriptsize}}
1795
1796 \defbeamertemplate{subsection in toc}{ball}
1797 {\leavevmode\bidibeamer@leftskip=5ex%
1798   \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1799   \inserttocsubsection\par%
1800 }
1801
1802 \defbeamertemplate{subsubsection in toc}{ball}
1803 {\leavevmode\normalsize\usebeamerfont{subsection in
1804   toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1805   \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1806   \inserttocsubsubsection\par%
1807 }
1808
1809 \bidi@csundef{beamer@@tmpop@block begin@rounded}
1810
1811 \bidi@csundef{beamer@@tmpop@block alerted begin@rounded}
1812
1813 \bidi@csundef{beamer@@tmpop@block example begin@rounded}
1814
1815 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1816 {%
1817   \par\vskip\medskipamount%
1818   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1819     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1820     \bidi@beamer@ragged%
1821     \usebeamerfont{block body}%
1822   }
1823
1824 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1825 {%
1826   \par\vskip\medskipamount%
1827   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1828     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1829     \bidi@beamer@ragged%
1830     \usebeamerfont{block body alerted}%
1831   }%
1832
1833 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]
1834 {%
1835   \par\vskip\medskipamount%
1836   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]%
1837     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1838     \bidi@beamer@ragged%
1839     \usebeamerfont{block body example}%
1840   }%
1841
1842 \bidi@csundef{beamer@@tmpop@caption@numbered}
1843
1844 \defbeamertemplate{caption}{numbered}
1845 {%
1846   \leavevmode

```




```

1847 \bidi@beamer@ragged
1848 {%
1849   \usebeamercolor[fg]{caption name}%
1850   \usebeamerfont*{caption name}%
1851   \insertcaptionname~\insertcaptionnumber
1852   \usebeamertemplate{caption label separator}%
1853 }%
1854 \insertcaption\par
1855 }
1856
1857 \bidi@csundef{beamer@@tmpop@caption@caption name own line}
1858
1859 \defbeamertemplate{caption}{caption name own line}
1860 {%
1861   \begin{minipage}{\textwidth}
1862     \leavevmode
1863     \bidi@beamer@ragged
1864     {%
1865       \usebeamercolor[fg]{caption name}%
1866       \usebeamerfont*{caption name}%
1867       \insertcaptionname%
1868     }\\
1869     \insertcaption
1870   \end{minipage}
1871 }
1872
1873 \ApplyPatchCodeToPackage{caption}{%
1874   \DeclareCaptionFont{beamer@font}{%
1875     \usebeamerfont*{caption}%
1876     \usebeamercolor[fg]{caption}%
1877   }
1878   \SetCaptionDefault{font}{beamer@font}
1879   \DeclareCaptionJustification{bidi@beamer@ragged}{\bidi@beamer@ragged}
1880   \SetCaptionDefault{justification}{bidi@beamer@ragged}
1881 }
1882

```

16 File beamerbaseboxes-xetex-bidi.def

```

1883 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbas
1884 \renewcommand\beamerboxesrounded[2] [] {%
1885   \global\let\beamer@firstlineitemizeunskip=\relax%
1886   \vbox\bgroup%
1887   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1888   \setkeys{beamerboxes}{#1}%
1889   {%
1890     \usebeamercolor{\bmb@lower}%
1891     \globalcolorstrue%
1892     \colorlet{lower.bg}{bg}%
1893   }%
1894   {%
1895     \usebeamercolor{\bmb@upper}%
1896     \globalcolorstrue%
1897     \colorlet{upper.bg}{bg}%

```



```

1898 }%
1899 %
1900 % Typeset head
1901 %
1902 \vskip4bp
1903 \setbox\bmb@box=\hbox{%
1904   \begin{minipage}[b]{\bmb@width}%
1905     \usebeamercolor[fg]{\bmb@upper}%
1906     #2%
1907   \end{minipage}}%
1908 \ifdim\wd\bmb@box=0pt%
1909   \setbox\bmb@box=\hbox{}%
1910   \ht\bmb@box=1.5pt%
1911   \bmb@prevheight=-4.5pt%
1912 \else%
1913   \wd\bmb@box=\bmb@width%
1914   \bmb@temp=\dp\bmb@box%
1915   \ifdim\bmb@temp<1.5pt%
1916     \bmb@temp=1.5pt%
1917   \fi%
1918   \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1919   \dp\bmb@box=0pt%
1920   \bmb@prevheight=\ht\bmb@box%
1921 \fi%
1922 \bmb@temp=\bmb@width%
1923 \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1924 \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1925 \hbox{%
1926   \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1927     \ifdim\wd\bmb@box=0pt%
1928       \color{lower.bg}%
1929     \else%
1930       \color{upper.bg}%
1931     \fi%
1932     \pgfpathmoveto{-4bp}{-1bp}
1933     \pgfpathcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1934     \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1935     \pgfpathcurveto%
1936       {\pgfpoint{\bmb@dima}{3bp}}%
1937       {\pgfpoint{\bmb@dimb}{1.2bp}}%
1938       {\pgfpoint{\bmb@dimb}{-1bp}}%
1939     \bmb@dima=-\ht\bmb@box%
1940     \advance\bmb@dima by-2pt%
1941     \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1942     \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1943     \pgfusepath{fill}
1944   \end{pgfpicture}%
1945   \copy\bmb@box%
1946 }%
1947 \nointerlineskip%
1948 \vskip-1pt%
1949 \ifdim\wd\bmb@box=0pt%
1950 \else%
1951 \hbox{%

```



```

1952 \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1953 \bmb@dima=\bmb@width%
1954 \advance\bmb@dima by8bp%
1955 \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1956 \pgfusepath{clip}
1957 {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuses shading{\bmb@transi
1958 \end{pgfpicture}%
1959 }%
1960 \nointerlineskip%
1961 \vskip-0.5pt%
1962 \fi%
1963 \setbox\bmb@colorbox=\hbox{\pgfpicturetrue\pgfsetcolor{lower.bg}}}%
1964 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1965 \vskip2pt%
1966 \usebeamercolor[fg]{\bmb@lower}%
1967 \colorlet{beamerstructure}{upper.bg}%
1968 \colorlet{structure}{upper.bg}%
1969 %\color{.}%
1970 \@bidi@list@minipage@parboxfalse
1971 }
1972
1973 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1974 \begingroup
1975 \@RTLfalse
1976 }{}{}
1977
1978

```

17 File beamerbasecolor-xetex-bidi.def

```

1979 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerbas
1980 \renewenvironment{beamercolorbox}[2][]{%
1981 \def\beamer@vmode{\leavevmode}%
1982 \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1983 leftskip=0pt,rightskip=0pt plus1fil,%
1984 sep=0pt,colsep=0pt,colsep*=0pt,%
1985 shadow=false,rounded=false,ignorebg=false}%
1986 \if@RTL
1987 \setkeys{beamercolbox}{rightskip=0pt,leftskip=0pt plus1fil}%
1988 \else
1989 \setkeys{beamercolbox}{leftskip=0pt,rightskip=0pt plus1fil}%
1990 \fi
1991 \setkeys{beamercolbox}{#1}%
1992 \ifbeamercoloreempty[bg]{#2}{\@tempwafalse}{\@tempwattrue}%
1993 \ifbeamer@colbox@ignorebg\@tempwafalse\fi%
1994 \def\beamer@colbox@color{#2}%
1995 \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1996 \ifbeamer@colbox@ignorebg%
1997 \colorlet{beamer@temp@color}{bg}%
1998 \usebeamercolor[fg]{#2}%
1999 \colorlet{bg}{beamer@temp@color}%
2000 \else%
2001 \usebeamercolor[fg]{#2}%
2002 \fi%

```



```

2003 \beginL
2004 \vbox\bgroup%
2005 \hsize=\beamer@colbox@wd%
2006 \@arrayparboxrestore%
2007 \leftskip=\beamer@colbox@ls%
2008 \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
2009 \rightskip=\beamer@colbox@rs%
2010 \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
2011 \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
2012 \advance\leftskip by\beamer@colbox@colsep%
2013 \advance\rightskip by\beamer@colbox@colsep%
2014 \vskip\beamer@colbox@colsep%
2015 \fi%
2016 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
2017 \fi%
2018 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
2019 \beamer@vmode\ignorespaces}{%
2020 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
2021 \if@tempswa
2022 \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
2023 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
2024 \fi%
2025 \egroup\endL\color@endgroup\egroup%
2026 \wd\beamer@tempbox=\beamer@colbox@wd%
2027 \ifx\beamer@colbox@ht\@empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
2028 \ifx\beamer@colbox@dp\@empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
2029 \ifbeamer@colbox@rounded%
2030 \if@tempswa%
2031 \begin{beamerboxesrounded}[%
2032 shadow=\beamer@colbox@shadow,%
2033 lower=\beamer@colbox@color,%
2034 upper=normal text,%
2035 width=\beamer@colbox@wd]{%
2036 \box\beamer@tempbox%
2037 \end{beamerboxesrounded}%
2038 \else%
2039 \ifdim\wd\beamer@tempbox>\textwidth%
2040 \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
2041 \fi%
2042 \box\beamer@tempbox%
2043 \fi%
2044 \else%
2045 \if@tempswa\setbox\beamer@tempbox=\hbox{%
2046 \usebeamercolor{\beamer@colbox@color}%
2047 \hskip-\beamer@colbox@colseps%
2048 \fboxsep=\z@\colorbox{bg}{%
2049 \hskip\beamer@colbox@colseps%
2050 \box\beamer@tempbox%
2051 \hskip\beamer@colbox@colseps%
2052 }%
2053 \hskip-\beamer@colbox@colseps%
2054 }\fi%
2055 \ifdim\wd\beamer@tempbox>\textwidth%
2056 \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box

```



```

2057 \fi%
2058 \box\beamer@tempbox%
2059 \fi%
2060 }
2061
2062

```

18 File beamerbasecompatibility-xetex-bidi.def

```

2063 \ProvidesFile{beamerbasecompatibility-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for b
2064 \def\insertvrule#1#2{\hbox{\color{#2}\hskip-\Gm@lmargin\vrule width \paperwidth height #1\h
2065
2066

```

19 File beamerbaseframecomponents-xetex-bidi.def

```

2067 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2024/12/28 v0.7 bidi adaptations for
2068 \renewcommand{\setbeamersize}[1]{%
2069 \beamer@dogeometryfalse%
2070 \setkeys{beamer@margin}{#1}%
2071 \ifbeamer@dogeometry%
2072 % Reset left margin now
2073 \beamer@tempdim=\beamer@leftmargin%
2074 \advance\beamer@tempdim by\beamer@leftsidebar%
2075 \if@RTLmain
2076 \geometry{right=\the\beamer@tempdim}%
2077 \else
2078 \geometry{left=\the\beamer@tempdim}%
2079 \fi
2080 % Reset right margin now
2081 \beamer@tempdim=\beamer@rightmargin%
2082 \advance\beamer@tempdim by\beamer@rightsidebar%
2083 \if@RTLmain
2084 \geometry{left=\the\beamer@tempdim}%
2085 \else
2086 \geometry{right=\the\beamer@tempdim}%
2087 \fi
2088 \fi%
2089 }
2090
2091 \newcommand*\bidi@beamer@Gm@lmargin){%
2092 \if@RTLmain
2093 \Gm@rmargin
2094 \else
2095 \Gm@lmargin
2096 \fi
2097 }
2098
2099 \newcommand*\bidi@beamer@Gm@rmargin){%
2100 \if@RTLmain
2101 \Gm@lmargin
2102 \else
2103 \Gm@rmargin
2104 \fi

```



```

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

```



```

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

```



```

2213 \def\@oddhead{\begingroup%
2214   \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransiti
2215   \beamer@tempdim=\ht\beamer@tempbox%
2216   \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2217   \wd\beamer@tempbox=Opt\ht\beamer@tempbox=Opt\dp\beamer@tempbox=Opt%
2218   \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2219   \beamer@tempdim=\ht\@tempboxa%
2220   \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}}%
2221   \wd\@tempboxa=Opt\ht\@tempboxa=Opt\dp\@tempboxa=Opt%
2222   \vbox{\hbox{\hskip-\Gm\lmargin\raise\headheight\box\beamer@tempbox\raise\headheight\box\
2223   \endgroup%
2224 }
2225 \def\@oddfoot{{\normalcolor{\hfil%
2226   \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{navigation symbols}\hskip-\bidi@beame
2227   \ht\beamer@tempbox=Opt%
2228   \dp\beamer@tempbox=Opt%
2229   \box\beamer@tempbox}}}%
2230 \let\@evenhead\@oddhead\let\@evenfoot\@oddfoot}
2231
2232 \renewenvironment<>{beamer@columnenv}[2][\beamer@colmode]{%
2233   \beamer@colclose\def\beamer@colclose{%
2234   \begin{actionenv}#3%
2235     \setkeys{beamer@col}{#1}%
2236     \begin{minipage}[\beamer@colalign]{#2}%
2237       \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2238     {\end{minipage}\hfill\end{actionenv}\@ignoretrue}
2239 \let\endcolumn\endbeamer@columnenv
2240
2241 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2242   \beamer@colclose%
2243   \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2244 \begin{actionenv}#3%
2245   \setkeys{beamer@col}{#1}%
2246   \begin{minipage}[\beamer@colalign]{#2}%
2247     \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2248
2249 \renewenvironment<>{columns}[1][{}]{%
2250   \begin{actionenv}#2%
2251   \ifbeamer@onlytextwidth
2252     \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2253     \def\beamer@colexitcode{\unskip\egroup}
2254   \else%
2255     \def\beamer@colentrycode{%
2256       \hbox to\textwidth\bgroup%
2257       \leavevmode%
2258       \hskip-\beamer@leftmargin%
2259       \nobreak%
2260       \beamer@tempdim=\textwidth%
2261       \advance\beamer@tempdim by\beamer@leftmargin%
2262       \advance\beamer@tempdim by\beamer@rightmargin%
2263       \hbox to\beamer@tempdim\bgroup%
2264       \hbox{}\hfill\ignorespaces}%
2265     \def\beamer@colexitcode{\egroup%
2266       \nobreak%

```




```

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

```



```

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

```



```

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

```



```

2429 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2430 \setkeys{beamerfootnote}{#1}%
2431 \let\KV@errx=\beamer@kvorig%
2432 \let\XKV@errx=\beamer@xkvorig
2433 \ifx\beamer@footarg\@empty%
2434   \def\beamer@next{\stepcounter\beamer@mpfn
2435     \protected@xdef\@thefnmark{\beamer@thempfn}%
2436     \@footnotemark\beamer@RTLfootnotetext#2}%
2437 \else%
2438   \def\beamer@next{%
2439     \begingroup
2440       \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2441       \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2442     \endgroup
2443     \@footnotemark\beamer@RTLfootnotetext#2}%
2444 \fi%
2445 \beamer@next}
2446
2447 \renewcommand<>{\LTRfootnote}[1] [] {%
2448   \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2449   \let\beamer@mpfn=\@mpfn%
2450   \let\beamer@thempfn=\thempfn%
2451   \let\beamer@kvorig=\KV@errx%
2452   \let\beamer@xkvorig=\XKV@err
2453   \def\beamer@footarg{}%
2454   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2455   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2456   \setkeys{beamerfootnote}{#1}%
2457   \let\KV@errx=\beamer@kvorig%
2458   \let\XKV@errx=\beamer@xkvorig
2459   \ifx\beamer@footarg\@empty%
2460     \def\beamer@next{\stepcounter\beamer@mpfn
2461       \protected@xdef\@thefnmark{\beamer@thempfn}%
2462       \@footnotemark\beamer@LTRfootnotetext#2}%
2463   \else%
2464     \def\beamer@next{%
2465       \begingroup
2466         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2467         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2468       \endgroup
2469       \@footnotemark\beamer@LTRfootnotetext#2}%
2470   \fi%
2471   \beamer@next}
2472
2473

```

20 File beamerbaseframesize-xetex-bidi.def

```

2474 \ProvidesFile{beamerbaseframesize-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamer]
2475 \def\beamer@framezoom<#1><#2>[#3](#4,#5)(#6,#7){%
2476   \par\nointerlineskip%
2477   \global\beamer@slidehaszoomtrue%
2478   \advance\beamer@zoomcount by1\relax%
2479   \def\beamer@zoomborderwidth{0}%

```



```

2480 \edef\beamer@labelzoomed{\beamer@labelzoomed@the\beamer@zoomframecount @the\beamer@zoomco
2481 \setkeys{beamerzoom}{#3}%
2482 \only<#1>{%
2483   {\hypersetup{pdfhighlight={/P},pdfborder={0 0 \beamer@zoomborderwidth}}}%
2484   \global\setbox\@tempboxa=\vbox{\hyperlink{\beamer@labelzoomed}{%
2485     \expandafter\ifx\csname XeTeXrevision\endcsname\relax
2486       \vbox to #7{%
2487         \hbox to#6{\hfil}%
2488         \vfil%
2489       }%
2490     \else%
2491       \begin{group}%
2492         \normalsize%
2493         \begin{pgfpicture}{0pt}{0pt}{#6}{#7}%
2494           \pgfsetfillopacity{0}
2495           \pgftext[x=0cm,y=3pt]{.}
2496           \pgftext[x=#6,y=\dimexpr#7-\baselineskip+3pt]{.}
2497         \end{pgfpicture}%
2498       \end{group}%
2499     \fi%
2500   }}%
2501   \ht\@tempboxa=0pt%
2502   \wd\@tempboxa=0pt%
2503   \dp\@tempboxa=0pt%
2504   \setbox\@tempboxa=\vbox{\if@RTL\moveleft\else\moveright\fi#4\hbox{\lower#5\vbox{\box\@te
2505   \ht\@tempboxa=0pt%
2506   \wd\@tempboxa=0pt%
2507   \dp\@tempboxa=0pt%
2508   \global\setbox\beamer@zoombox=\vbox to0pt{\unvbox\beamer@zoombox\box\@tempboxa}%
2509 }%
2510 \only<#2>{%
2511   \@ifundefined{\beamer@labelzoomed}%
2512   {%
2513     \hypertarget{\beamer@labelzoomed}{}%
2514     \expandafter\gdef\csname\beamer@labelzoomed\endcsname{}%
2515   }{}%
2516   \gdef\beamer@zoomer{%
2517     % compute zoom factor
2518     \@tempdima=\beamer@frametextheight%
2519     \@tempdimb=#7\relax%
2520     \@tempcnta=\@tempdimb%
2521     \divide\@tempcnta by4096\relax%
2522     \multiply\@tempdima by16\relax%
2523     \divide\@tempdima by\@tempcnta%
2524     \@tempdimb=\paperwidth%
2525     \ifbeamer@plainframe%
2526     \else%
2527       \advance\@tempdimb by-\beamer@leftsidebar%
2528       \advance\@tempdimb by-\beamer@rightsidebar\relax%
2529     \fi%
2530     \@tempdimc=#6\relax%
2531     \@tempcntb=\@tempdimc%
2532     \divide\@tempcntb by4096\relax%
2533     \multiply\@tempdimb by16\relax%

```



```

2534 \divide\@tempdimb by\@tempcntb%
2535 \ifdim\@tempdimb<\@tempdima%
2536 \@tempdima=\@tempdimb%
2537 \fi%
2538 \edef\beamer@temp{\strip@pt\@tempdima}%
2539 \@tempdimc=\beamer@frametextheight%
2540 \advance\@tempdimc by4pt%
2541 \@tempdimb=\paperwidth%
2542 \ifbeamer@plainframe%
2543 \else%
2544 \advance\@tempdimb by-\beamer@leftsidebar%
2545 \advance\@tempdimb by-\beamer@rightsidebar\relax%
2546 \fi%
2547 \setbox\@tempboxa=\vbox{\hsize=\@tempdimb\Acrobatmenu{GoBack}{\vbox to
2548 \beamer@frametextheight{\hbox to\@tempdimb{\hfil}\vfil}}}%
2549 \ht\@tempboxa=0pt%
2550 \wd\@tempboxa=0pt%
2551 \dp\@tempboxa=0pt%
2552 \setbox\beamer@framebox=\vbox to\beamer@frametextheight{%
2553 \ifbeamer@plainframe\beamer@leftmargin=\Gm@lmargin\fi%
2554 \ifRTL
2555 \begin{pgfpicture}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2556 \pgftext[right,top]{\box\@tempboxa}
2557 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2558 \pgfusepath{clip}
2559 \begin{group}
2560 \pgftransformscale{\beamer@temp}
2561 \@tempdima=#4\relax%
2562 \@tempdimb=#5\relax%
2563 {\pgftransformshift{\pgfpoint{\@tempdima+#6}{\@tempdimb}}}%
2564 \pgftext[right,top]{\vbox{\vbox{}\nointerlineskip\unvbox\beamer@framebox}}
2565 \end{group}
2566 \end{pgfpicture}%
2567 \else
2568 \begin{pgfpicture}{\beamer@leftmargin}{-\beamer@frametextheight}{\beamer@leftmargin}{-\beamer@frametextheight}{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2569 \pgftext[left,top]{\box\@tempboxa}
2570 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2571 \pgfusepath{clip}
2572 \begin{group}
2573 \pgftransformscale{\beamer@temp}
2574 \@tempdima=#4\relax%
2575 \@tempdimb=#5\relax%
2576 {\pgftransformshift{\pgfpoint{-\@tempdima}{\@tempdimb}}}%
2577 \pgftext[left,top]{\vbox{\vbox{}\nointerlineskip\unvbox\beamer@framebox}}
2578 \end{group}
2579 \end{pgfpicture}%
2580 \fi
2581 }%
2582 \setbox\beamer@framebox=\vbox{%
2583 \nobreak\vbox{}\nobreak\par\nobreak\beamer@entrycode\nobreak%
2584 \nointerlineskip\unvbox\beamer@frametitlebox%
2585 \nobreak%
2586 \box\beamer@framebox%
2587 \nobreak%

```



```

2588         \vss%
2589         \beamer@exitcode%
2590     }%
2591     \global\setbox\beamer@footins=\box\voidb@x% no footnotes in zoomed slides
2592 }%
2593 }%
2594 }
2595
2596

```

21 File beamerbaselocalstructure-xetex-bidi.def

```

2597 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2598 \def\beamer@enum{%
2599     \beamer@compute\pref\@itemdepth% sets \beameritemnestingprefix
2600     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2601     \bgroup
2602     \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2603     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2604     \egroup
2605     \expandafter
2606         \list
2607         {\usebeamertemplate{\beamer@enumtempl}}
2608         {\usecounter\@enumctr%
2609         \def\makelabel##1{\hss\llap{\hss
2610             \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2611             \usebeamerfont{fg}{enumerate \beameritemnestingprefix item}##1}}}%
2612     \beamer@cramped%
2613     \bidi@beamer@ragged%
2614     \beamer@firstlineitemizeunskip%
2615 }
2616
2617 \renewcommand{\itemize}[1][\hss]{%
2618     \ifblank{#1}{\def\beamer@defaulttospec{#1}}%
2619     \ifnum \@itemdepth >2\relax\@toodeep\else
2620         \advance\@itemdepth\@ne
2621         \beamer@compute\pref\@itemdepth% sets \beameritemnestingprefix
2622         \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2623         \bgroup
2624         \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2625         \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2626         \egroup
2627         \list
2628         {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2629         {\def\makelabel##1{\hss
2630             \hss\llap{\hss
2631                 \usebeamerfont*{itemize \beameritemnestingprefix item}%
2632                 \usebeamerfont{fg}{itemize \beameritemnestingprefix item}##1}}}%
2633             }%
2634         }%
2635     }%
2636 }
2637 \fi%
2638 \beamer@cramped%

```



```

2639 \bidi@beamer@ragged%
2640 \beamer@firstlineitemizeunskip%
2641 }
2642
2643 \def\@@description{%
2644 \advance\beamer@descdefault by \labelsep%
2645 \usebeamerfont{description body}%
2646 \bgroup
2647 \usebeamercolor[fg]{description body}%
2648 \usebeamertemplate{description body begin}%
2649 \egroup
2650 \list
2651 {}
2652 {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descrip
2653 \beamer@cramped%
2654 \bidi@beamer@ragged
2655 \beamer@firstlineitemizeunskip%
2656 }
2657
2658 \renewenvironment{thebibliography}[1]
2659 {%\leavevmode\unskip%
2660 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2661 \bidi@thebibliography@font@hook%
2662 \list{\@biblabel{\@arabic\c@enumiv}}%
2663 {\settowidth\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2664 \leftmargin\labelwidth
2665 \advance\leftmargin\labelsep
2666 \itemsep=0pt%
2667 \partopsep=0pt%
2668 \topsep=0pt%
2669 \usecounter{enumiv}%
2670 \let\p@enumiv\@empty
2671 \renewcommand\theenumiv{\@arabic\c@enumiv}
2672 \let\makelabel\beamer@biblabeltemplate}%
2673 \sloppy\bidi@beamer@ragged
2674 \clubpenalty10000
2675 \@clubpenalty \clubpenalty
2676 \widowpenalty10000%
2677 \sfcode`. \@m}
2678 {\def\@noitemerr
2679 {\@latex@warning{Empty `thebibliography' environment}}}%
2680 \ifhmode\unskip\fi\endlist}
2681
2682

```

22 File beamerbasemisc-xetex-bidi.def

```

2683 \ProvidesFile{beamerbasemisc-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamerbase
2684 \define@key{beamerst}{width}{%
2685 \def\beamer@ststart{%
2686 \begin{minipage}[t]{#1}%
2687 \bidi@beamer@ragged
2688 \beamer@stalign
2689 \beamer@stlinebreakrule

```




```

2690 }%
2691 \def\beamer@stend{\end{minipage}}
2692
2693

```

23 File beamerbasenavigation-xetex-bidi.def

```

2694 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for beam
2695 \def\slideentry#1#2#3#4#5#6{%
2696 %section number, subsection number, slide number, first/last frame, page number, part numb
2697 \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2698 \ifbeamer@compress%
2699 \advance\beamer@xpos by1\relax%
2700 \else%
2701 \ifnum#2=0%
2702 \beamer@ypos@offset=1\relax%
2703 \fi
2704 \beamer@xpos=#3\relax%
2705 \beamer@ypos=#2\relax%
2706 \advance\beamer@ypos by \beamer@ypos@offset\relax
2707 \fi%
2708 \hbox to 0pt{%
2709 \beamer@tempdim=-\beamer@vboxoffset%
2710 \advance\beamer@tempdim by-\beamer@boxsize%
2711 \multiply\beamer@tempdim by\beamer@ypos%
2712 \advance\beamer@tempdim by -.05cm%
2713 \raise\beamer@tempdim\hbox{%
2714 \beamer@tempdim=\beamer@boxsize%
2715 \multiply\beamer@tempdim by\beamer@xpos%
2716 \advance\beamer@tempdim by -\beamer@boxsize%
2717 \advance\beamer@tempdim by 1pt%
2718 \kern\beamer@tempdim
2719 \global\beamer@section@min@dim\beamer@tempdim
2720 \hbox{\beamer@link(#4){%
2721 \usebeamerfont{mini frame}%
2722 \ifnum\c@section=#1%
2723 \ifnum\c@subsection=#2%
2724 \usebeamercolor[fg]{mini frame}%
2725 \ifnum\c@subsectionslide=#3%
2726 \usebeamertemplate{mini frame}%\beamer@minislidehighlight%
2727 \else%
2728 \usebeamertemplate{mini frame in current subsection}%\beamer@minisliderowhil
2729 \fi%
2730 \else%
2731 \usebeamercolor{mini frame}%
2732 \%color{fg!50!bg}%
2733 \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2734 \fi%
2735 \else%
2736 \usebeamercolor{mini frame}%
2737 \%color{fg!50!bg}%
2738 \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2739 \fi%
2740 }}}\hskip-10cm plus 1fil%

```



```

2741 } \fi \fi %
2742 \else %
2743 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2744 \fi \ignorespaces
2745 }
2746
2747 \pgfdefobject{bidi@beamer@RTL@gotosymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2748 {
2749 \pgfpathmoveto{3.5bp}{0.5bp}
2750 \pgfpathqlineto{1.5bp}{2bp}
2751 \pgfpathqlineto{3.5bp}{3.5bp}
2752 \pgfusepathqfill
2753 }
2754
2755 \def\insertgotosymbol{%
2756 \if@RTL
2757 \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2758 \pgfuseobject{bidi@beamer@RTL@gotosymbol}%
2759 \end{pgfpicture}%
2760 \else
2761 \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2762 \pgfuseobject{beamer@gotosymbol}%
2763 \end{pgfpicture}%
2764 \fi
2765 }
2766
2767 \pgfdefobject{bidi@beamer@RTL@skipsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{7pt}{5pt}}
2768 {
2769 \pgfpathmoveto{5.5bp}{0.5bp}
2770 \pgfpathqlineto{3.5bp}{2bp}
2771 \pgfpathqlineto{5.5bp}{3.5bp}
2772 \pgfpathmoveto{3.5bp}{0.5bp}
2773 \pgfpathqlineto{1.5bp}{2bp}
2774 \pgfpathqlineto{3.5bp}{3.5bp}
2775 \pgfusepathqfill
2776 }
2777
2778 \def\insertskipsymbol{%
2779 \if@RTL
2780 \begin{pgfpicture}{-1pt}{0pt}{6pt}{5pt}
2781 \pgfuseobject{bidi@beamer@RTL@skipsymbol}%
2782 \end{pgfpicture}%
2783 \else
2784 \begin{pgfpicture}{1pt}{0pt}{8pt}{5pt}
2785 \pgfuseobject{beamer@skipsymbol}%
2786 \end{pgfpicture}%
2787 \fi
2788 }
2789
2790 \pgfdefobject{bidi@beamer@RTL@returnsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2791 {
2792 \pgfpathmoveto{1.5bp}{0.5bp}
2793 \pgfpathqlineto{3.5bp}{2bp}
2794 \pgfpathqlineto{1.5bp}{3.5bp}

```



```

2795 \pgfusepathqfill
2796 }
2797
2798 \def\insertreturnsymbol{%
2799 \if@RTL
2800 \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2801 \pgfuseobject{bidi@beamer@RTL@returnsymbol}%
2802 \end{pgfpicture}%
2803 \else
2804 \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2805 \pgfuseobject{beamerreturnsymbol}%
2806 \end{pgfpicture}%
2807 \fi
2808 }
2809
2810

```

24 File beamerbaseoverlay-xetex-bidi.def

```

2811 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2812 \renewcommand<>{\color}{\alt#1{\beameroriginal{\color}}{\beamer@gobbleoptionalinsp}}
2813
2814

```

25 File beamerinnerthemedefault-xetex-bidi.def

```

2815 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/27 v0.6 bidi adaptations for beamer]
2816 \newcommand*{\bidi@beamer@leftskip}{%
2817 \if@RTL
2818 \rightskip
2819 \else
2820 \leftskip
2821 \fi
2822 }
2823
2824 \newcommand*{\bidi@beamer@rightskip}{%
2825 \if@RTL
2826 \leftskip
2827 \else
2828 \rightskip
2829 \fi
2830 }
2831
2832 \bidi@csundef{beamer@@tmpop@subsection in toc@default}
2833
2834 \bidi@csundef{beamer@@tmpop@subsubsection in toc@default}
2835
2836 \defbeamertemplate*{subsection in toc}{default}
2837 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2838
2839 \defbeamertemplate*{subsubsection in toc}{default}
2840 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3em%
2841 \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2842

```



```

2843 \newcommand*{\bidi@beamer@blacktriangle}{%
2844   \if@RTL
2845     $\blacktriangleleft$%
2846   \else
2847     $\blacktriangleright$%
2848   \fi
2849 }
2850
2851 \bidi@csundef{beamer@@tmpop@itemize item@default}
2852
2853 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2854
2855 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2856
2857 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\v
2858 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\hb
2859 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1.
2860
2861 \bidi@undef\beamer@@tmpop@footnote@default
2862
2863 \defbeamertemplate*{footnote}{default}
2864 {
2865   \parindent 1em\noindent%
2866   \bidi@beamer@ragged
2867   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2868 }
2869
2870 \defbeamertemplate*{RTLfootnote}{default}
2871 {
2872   \parindent 1em\noindent%
2873   \raggedleft
2874   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2875 }
2876
2877 \defbeamertemplate*{LTRfootnote}{default}
2878 {
2879   \parindent 1em\noindent%
2880   \raggedright
2881   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2882 }
2883
2884 \bidi@undef\beamer@@tmpop@caption@default
2885
2886 \defbeamertemplate*{caption}{default}
2887 {%
2888   \bidi@beamer@ragged
2889   {%
2890     \leavevmode
2891     \usebeamerfont*{caption name}%
2892     \usebeamerfont*{caption name}%
2893     \insertcaptionname
2894     \usebeamertemplate{caption label separator}%
2895   }%
2896   \insertcaption\par

```



```

2897 }
2898
2899 \bidi@csundef{beamer@@tmpop@block begin@default}
2900
2901 \bidi@csundef{beamer@@tmpop@block alerted begin@default}
2902
2903 \bidi@csundef{beamer@@tmpop@block example begin@default}
2904
2905 \defbeamertemplate*{block begin}{default}
2906 {
2907   \par\vskip\medskipamount%
2908   \begin{beamercolorbox}[colsep*=.75ex]{block title}
2909     \usebeamerfont*{block title}\insertblocktitle%
2910   \end{beamercolorbox}%
2911   {\parskip0pt\par}%
2912   \ifbeamercoloreempty[bg]{block title}
2913   {}
2914   {\ifbeamercoloreempty[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2915   \usebeamerfont{block body}%
2916   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2917     \ifbeamercoloreempty[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\baselineskip}
2918   }
2919
2920 \defbeamertemplate*{block alerted begin}{default}
2921 {
2922   \par\vskip\medskipamount%
2923   \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2924     \usebeamerfont*{block title alerted}\insertblocktitle%
2925   \end{beamercolorbox}%
2926   {\parskip0pt\par}%
2927   \ifbeamercoloreempty[bg]{block title alerted}
2928   {}
2929   {\ifbeamercoloreempty[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2930   \usebeamerfont{block body alerted}%
2931   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2932     \ifbeamercoloreempty[bg]{block body alerted}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\baselineskip}
2933   }
2934
2935 \defbeamertemplate*{block example begin}{default}
2936 {
2937   \par\vskip\medskipamount%
2938   \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2939     \usebeamerfont*{block title example}\insertblocktitle%
2940   \end{beamercolorbox}%
2941   {\parskip0pt\par}%
2942   \ifbeamercoloreempty[bg]{block title example}
2943   {}
2944   {\ifbeamercoloreempty[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%
2945   \usebeamerfont{block body example}%
2946   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2947     \ifbeamercoloreempty[bg]{block body example}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\baselineskip}
2948   }
2949
2950 \bidi@csundef{beamer@@tmpop@abstract begin@default}

```



```

2951
2952 \defbeamertemplate*{abstract begin}{default}
2953 {\beamercolorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fil
2954
2955 \bidi@undef\beamer@tmpop@button@default
2956
2957 \defbeamertemplate*{button}{default}
2958 {%
2959   \setbox\beamer@tempbox=\hbox{{\insertbuttontext}}%
2960   \ht\beamer@tempbox=6pt%
2961   \dp\beamer@tempbox=0pt%
2962   \setbox\beamer@tempbox=\vbox{\box\beamer@tempbox\vskip2pt}%
2963   \beamer@tempdim=\wd\beamer@tempbox%
2964   \beamer@dima=\beamer@tempdim\advance\beamer@dima by2.2pt
2965   \beamer@dimb=\beamer@tempdim\advance\beamer@dimb by4pt
2966   \if@RTL
2967     \kern4pt%
2968     \box\beamer@tempbox%
2969     \hskip-\beamer@tempdim%
2970   \fi
2971   \begin{pgfpicture}{-4pt}{0pt}{\the\beamer@tempdim}{8pt}
2972     \color{bg}
2973     \pgfsetlinewidth{0.8pt}
2974     \pgfpathqmoveto{0pt}{0pt}
2975     \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2976     \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2977     \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2978     \pgfpathcurveto%
2979       {\pgfpoint{\the\beamer@dima}{8pt}}%
2980       {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2981       {\pgfpoint{\the\beamer@dimb}{4pt}}
2982     \pgfpathcurveto%
2983       {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2984       {\pgfpoint{\the\beamer@dima}{0pt}}%
2985       {\pgfpoint{\the\beamer@tempdim}{0pt}}
2986     \pgfpathclose
2987     \pgfusepathqfill
2988     \colorlet{bg}{parent.bg}
2989     \usebeamercolor[fg]{button border}
2990     \pgfpathqmoveto{0pt}{0pt}
2991     \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2992     \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2993     \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2994     \pgfpathcurveto%
2995       {\pgfpoint{\the\beamer@dima}{8pt}}%
2996       {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2997       {\pgfpoint{\the\beamer@dimb}{4pt}}
2998     \pgfpathcurveto%
2999       {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
3000       {\pgfpoint{\the\beamer@dima}{0pt}}%
3001       {\pgfpoint{\the\beamer@tempdim}{0pt}}
3002     \pgfpathclose
3003     \pgfusepathqstroke
3004   \end{pgfpicture}%

```



```

3005 \if@RTL
3006 \else
3007   \hskip-\beamer@tempdim%
3008   \box\beamer@tempbox%
3009   \kern4pt%
3010 \fi
3011 }
3012
3013

```

26 File beamerinnerthemecircles-xetex-bidi.def

```

3014 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for beamer]
3015 \setbeamertemplate{sections/subsections in toc}[circle]
3016

```

27 File beamerinnerthemefocus-xetex-bidi.def

```

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

```



```

3053         \else
3054         \raggedleft
3055         \fi
3056         \inserttitlegraphic
3057     }}
3058
3059     \begin{minipage}[t]{\textwidth}
3060         \usebeamerfont{author}
3061         \insertauthor
3062     \end{minipage}
3063
3064     \vspace*{\baselineskip}
3065     \begin{minipage}[t]{\textwidth}
3066         \usebeamerfont{institute}
3067         \insertinstitute
3068     \end{minipage}
3069
3070     \vspace*{\baselineskip}
3071     \begin{minipage}[t]{\textwidth}
3072         \usebeamerfont{date}
3073         \insertdate
3074     \end{minipage}
3075
3076     \vspace*{0pt plus 100fill}
3077
3078     \addtocounter{framenum}{-1}
3079     \addtocounter{realframenum}{-1}
3080 }
3081
3082
3083

```

28 File beamerinnerthemeinmargin-xetex-bidi.def

```

3084 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
3085 \AtBeginDocument{%
3086   \setbeamersize{sidebar width left=.25\paperwidth}%
3087 }
3088
3089 \bidi\csundef{beamer@@tmpop@section in toc@inmargin}
3090
3091 \bidi\csundef{beamer@@tmpop@title page@inmargin}
3092
3093 \bidi\csundef{beamer@@tmpop@block begin@inmargin}
3094
3095 \bidi\csundef{beamer@@tmpop@block end@inmargin}
3096
3097 \bidi\csundef{beamer@@tmpop@block alerted begin@inmargin}
3098
3099 \bidi\csundef{beamer@@tmpop@block alerted end@inmargin}
3100
3101 \bidi\csundef{beamer@@tmpop@block example begin@inmargin}
3102
3103 \bidi\csundef{beamer@@tmpop@block example end@inmargin}

```




```

3104
3105 \defbeamertemplate*{section in toc}{inmargin}
3106 {\leavevmode
3107   \beamer@putleft{\usebeamercolor[fg]{section in toc}\inserttocsection}\strut}{2.5ex}}
3108
3109 \defbeamertemplate*{title page}{inmargin}
3110 {
3111   \begin{block}{\inserttitleindicator}
3112     \bgroup\usebeamercolor[fg]{title}\usebeamerfont{title}\inserttitle\egroup\par
3113     \usebeamercolor[fg]{subtitle}\usebeamerfont{subtitle}\insertsubtitle
3114   \end{block}
3115   \vfill
3116   \ifx\insertauthor\@empty
3117     \else
3118     \begin{block}{\insertauthorindicator}
3119       \bgroup\usebeamercolor[fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
3120     \end{block}
3121     \fi
3122     \ifx\insertinstitute\@empty
3123       \else
3124       \begin{block}{\insertinstituteindicator}
3125         \bgroup\usebeamercolor[fg]{institute}\usebeamerfont{institute}\insertinstitute\egroup\par
3126       \end{block}
3127       \fi
3128       \ifx\insertdate\@empty
3129         \else
3130         \begin{block}{\insertdateindicator}
3131           \bgroup\usebeamercolor[fg]{date}\usebeamerfont{date}\insertdate\egroup\par
3132         \end{block}
3133         \fi
3134       }
3135
3136 \defbeamertemplate*{block begin}{inmargin}
3137 {
3138   \par\vskip\medskipamount%
3139   \leavevmode%
3140   \beamer@putleft{\normalfont\usebeamercolor[fg]{block title}\usebeamerfont*{block title}\i
3141   \beginL\beamer@putright
3142   %\usebeamercolor[fg]{block body}% to be done!
3143 }
3144
3145 \defbeamertemplate*{block end}{inmargin}
3146 {\endbeamer@putright\endL\vskip\smallskipamount}
3147
3148 \defbeamertemplate*{block alerted begin}{inmargin}
3149 {
3150   \par\vskip\medskipamount%
3151   \leavevmode%
3152   \beamer@putleft{\normalfont\usebeamercolor[fg]{block title alerted}\usebeamerfont*{block
3153   \beginL\beamer@putright
3154   %\usebeamercolor[fg]{block body alerted}% to be done!
3155 }
3156
3157 \defbeamertemplate*{block alerted end}{inmargin}

```



```

3158 {\endbeamer@putright\endL\vskip\smallskipamount}
3159
3160 \defbeamertemplate*{block example begin}{inmargin}
3161 {
3162   \par\vskip\medskipamount%
3163   \leavevmode%
3164   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title example}}\usebeamerfont*{block
3165   \beginL\beamer@putright
3166   %\usebeamercolor[fg]{block body example}% to be done
3167 }
3168
3169 \defbeamertemplate*{block example end}{inmargin}
3170 {\endbeamer@putright\endL\vskip\smallskipamount}
3171
3172 \bidi@AfterFile{beamerinnerthememetropolis-xetex-bidi.def}{%
3173   \setbeamertemplate{section in toc}[inmargin]%
3174   \setbeamertemplate{subsection in toc}[inmargin]%
3175   \setbeamertemplate{subsubsection in toc}[inmargin]%
3176 }
3177
3178

```

29 File beamerinnerthememetropolis-xetex-bidi.def

```

3179 \ProvidesFile{beamerinnerthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3180 \setbeamertemplate{title}{
3181   \bidi@beamer@ragged%
3182   \linespread{1.0}%
3183   \inserttitle%
3184   \par%
3185   \vspace*{0.5em}
3186 }
3187
3188 \setbeamertemplate{subtitle}{
3189   \bidi@beamer@ragged%
3190   \insertsubtitle%
3191   \par%
3192   \vspace*{0.5em}
3193 }
3194
3195 \bidi@csundef{beamer@@tmpop@section page@progressbar}
3196
3197 \defbeamertemplate{section page}{progressbar}{
3198   \centering
3199   \begin{minipage}{22em}
3200     \bidi@beamer@ragged
3201     \usebeamercolor[fg]{section title}
3202     \usebeamerfont{section title}
3203     \insertsectionhead\[-1ex]
3204     \usebeamertemplate*{progress bar in section page}
3205     \par
3206     \ifx\insertsubsectionhead\@empty\else%
3207       \usebeamercolor[fg]{subsection title}%
3208       \usebeamerfont{subsection title}%

```



```

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

```



```

3263 \metropolis@strut%
3264 \insertblocktitle%
3265 \metropolis@strut%
3266 \end{beamercolorbox}%
3267 \nointerlineskip%
3268 \ifbeamercoloreempty[bg]{block body#1}{%
3269 \begin{beamercolorbox}[vmode]{block body#1}}{
3270 \ifbeamercoloreempty[bg]{block body}{%
3271 \begin{beamercolorbox}[vmode]{block body#1}%
3272 }{%
3273 \begin{beamercolorbox}[sep=\metropolis@blocksep, vmode]{block body#1}%
3274 \vspace{-\metropolis@parskip}
3275 }}%
3276 \usebeamerfont{block body#1}%
3277 \setlength{\parskip}{\metropolis@parskip}%
3278 }
3279
3280
3281 \setbeamertemplate{footnote}{%
3282 \parindent 0em\noindent%
3283 \bidi@beamer@ragged
3284 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3285 }
3286
3287 \setbeamertemplate{RTLfootnote}{%
3288 \parindent 0em\noindent%
3289 \raggedleft
3290 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3291 }
3292
3293 \setbeamertemplate{LTRfootnote}{%
3294 \parindent 0em\noindent%
3295 \raggedright
3296 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3297 }
3298
3299 \setbeamertemplate{itemize items}{\textbullet}
3300
3301 \setbeamertemplate{section page}[progressbar]
3302
3303

```

30 File beamerinnerthemerectangles-xetex-bidi.def

```

3304 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations fo
3305 \setbeamertemplate{sections/subsections in toc}[square]
3306 \setbeamertemplate{items}[square]
3307

```

31 File beamerinnerthemrounded-xetex-bidi.def

```

3308 \ProvidesFile{beamerinnerthemrounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for b
3309 \setbeamertemplate{blocks}[rounded] [shadow=\beamer@themrounded@shadow]
3310 \setbeamertemplate{items}[ball]

```



```

3311 \setbeamertemplate{sections/subsections in toc}[ball]
3312

```

32 File beamerouterthemedefault-xetex-bidi.def

```

3313 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for b
3314 \def\beamer@fteleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by1.
3315
3316 \def\beamer@fteright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightski
3317
3318 \AtBeginDocument{%
3319   \if@RTLmain
3320     \setbeamertemplate{frametitle}[default][right]
3321   \fi
3322 }
3323
3324 \bidi@csundef{beamer@@tmpop@note page@default}
3325
3326 \newcommand*{\bidi@beamer@today}{%
3327 \the\year-\ifnum\month<10\relax0\fi\the\month-\ifnum\day<10\relax0\fi\the\day}
3328
3329 \defbeamertemplate*{note page}{default}
3330 {%
3331   {%
3332     \scriptsize
3333     \usebeamerfont{note title}\usebeamercolor[fg]{note title}%
3334     \ifbeamercoloreempty[bg]{note title}{\}%
3335     \insertvrule{.25\paperheight}{note title.bg}%
3336     \vskip-.25\paperheight%
3337     \nointerlineskip%
3338   }%
3339   \vbox{
3340     \hfill\insertslideintonotes{0.25}\hskip-\Gm@rmargin\hskip0pt%
3341     \vskip-0.25\paperheight%
3342     \nointerlineskip
3343     \if@RTL
3344       \begin{pgfpicture}{-\textwidth}{0cm}{-\textwidth}{0cm}
3345         \begin{pgflowlevelscope}{\pgftransformrotate{-90}}
3346           {\pgftransformshift{\pgfpoint{2cm}{0.2cm}}}%
3347           \pgftext[base,right]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3348         \end{pgflowlevelscope}
3349       \end{pgfpicture}%
3350     \else
3351       \begin{pgfpicture}{0cm}{0cm}{0cm}{0cm}
3352         \begin{pgflowlevelscope}{\pgftransformrotate{90}}
3353           {\pgftransformshift{\pgfpoint{-2cm}{0.2cm}}}%
3354           \pgftext[base,left]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3355         \end{pgflowlevelscope}
3356       \end{pgfpicture}%
3357     \fi
3358     \nointerlineskip
3359     \vbox to .25\paperheight{\vskip0.5em
3360     \if@RTL
3361       \moveright0.25\textwidth

```



```

3362 \fi
3363 \hbox{\insertshorttitle[width=0.75\textwidth]}}%
3364 \setbox\beamer@tempbox=\hbox{\insertsection}%
3365
3366 \if@RTL
3367 \moveright\dimexpr0.29\textwidth-14pt\relax
3368 \fi
3369 \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip4pt\raise3pt\hbox{\vrule
3370 width0.4pt height7pt\vrule width 9pt
3371 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}}%
3372 \if@RTL\endR\fi}%
3373 \setbox\beamer@tempbox=\hbox{\insertsubsection}%
3374
3375 \if@RTL
3376 \moveright\dimexpr0.29\textwidth-27.4pt\relax
3377 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip17.4pt\raise3pt\hbox{\vrule
3378 width0.4pt height7pt\vrule width 9pt
3379 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}}%
3380 \if@RTL\endR\fi}%
3381 \setbox\beamer@tempbox=\hbox{\insertshortframetitle}%
3382
3383 \if@RTL
3384 \moveright\dimexpr0.33\textwidth-40.8pt\relax
3385 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip30.8pt\raise3pt\hbox{\vrule
3386 width0.4pt height7pt\vrule width 9pt
3387 height0.4pt}}\hskip1pt\hbox{\insertshortframetitle[width=0.67\textwidth]}\fi}%
3388 \if@RTL\endR\fi}%
3389 \vfil}%
3390 }%
3391 \ifbeamercolorempy[bg]{note page}{}{}%
3392 \nointerlineskip%
3393 \insertvrule{.75\paperheight}{note page.bg}%
3394 \vskip-.75\paperheight%
3395 }%
3396 \vskip.25em
3397 \nointerlineskip
3398 \insertnote
3399 }
3400
3401
3402

```

33 File beamerouterthemefocus-xetex-bidi.def

```

3403 \ProvidesFile{beamerouterthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for bea
3404 \bidi@undef\beamer@tmpop@footline@progressbar
3405
3406 \defbeamertemplate*{footline}{progressbar}{%
3407 % If not appendix.
3408 \ifnum\mainend<0% From package appendixnumberbeamer.
3409 %
3410 \settowidth{\focus@pbar@leftoffset}{1}%
3411 \addtolength{\focus@pbar@leftoffset}{1.5em}%
3412 %

```



```

3413 \ifx\beamer@focus@totalframenumbering\no%
3414 \settowidth{\focus@pbar@rightoffset}{}%
3415 \addtolength{\focus@pbar@rightoffset}{0.5em}%
3416 \else%
3417 \settowidth{\focus@pbar@rightoffset}{\inserttotalframenumber}%
3418 \addtolength{\focus@pbar@rightoffset}{1.5em}%
3419 \fi%
3420 %
3421 % If not title page.
3422 \ifnum\value{realframenumber}>0%
3423 \ifnum\value{framenumber}<\inserttotalframenumber%
3424 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]\usebeamerfont{footli
3425 \pgfmathsetmacro{\focus@pbar@progress}%
3426 {(\paperwidth-\focus@pbar@leftoffset-\focus@pbar@rightoffset)*(\inse
3427
3428 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3429 \if@RTLmain
3430 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@leftoff
3431 \fill[footline.bg] (\paperwidth-\the\focus@pbar@leftoffset,0) rectangle
3432 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west,
3433 \else
3434 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@leftoffset,\the\fo
3435 \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pb
3436 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=east,
3437 \fi
3438 \ifx\beamer@focus@totalframenumbering\no%
3439 \else%
3440 \if@RTLmain
3441 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@rightoffset,\t
3442 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=e
3443 \else
3444 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rig
3445 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=w
3446 \fi
3447 \fi%
3448 \end{tikzpicture}%
3449 \else%
3450 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]
3451 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3452 \fill[footline.bg] (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height
3453 \if@RTLmain
3454 \node[anchor=west, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\
3455 \else
3456 \node[anchor=east, footline.fg] at ({\paperwidth-\the\focus@pbar@rightof
3457 \fi
3458 \ifx\beamer@focus@totalframenumbering\no%
3459 \else%
3460 \if@RTLmain
3461 \node[footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\focus@pba
3462 \node[anchor=east, footline.fg] at ({\the\focus@pbar@rightoffset},{0
3463 \else
3464 \node[footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.
3465 \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@rig
3466 \fi

```



```

3467             \fi%
3468         \end{tikzpicture}%
3469     \fi%
3470 \fi%
3471 \fi%
3472 }
3473
3474

```

34 File beamerouterthemeinfolines-xetex-bidi.def

```

3475 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for
3476 \bidi@csundef{beamer@tmpop@footline@infolines theme}
3477
3478 \defbeamertemplate*{footline}{infolines theme}
3479 {%
3480     \leavevmode%
3481     \hbox{%
3482         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}%
3483         \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\b
3484         \end{beamercolorbox}%
3485         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}%
3486         \usebeamerfont{title in head/foot}\insertshorttitle
3487         \end{beamercolorbox}%
3488         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,s
3489         \hfill%
3490         \usebeamerfont{date in head/foot}%
3491         \insertshortdate{}}%
3492         \hfill%
3493         \bgroup
3494         \usebeamercolor[fg]{page number in head/foot}%
3495         \usebeamerfont{page number in head/foot}%
3496         \usebeamertemplate{page number in head/foot}%
3497         \egroup
3498         \end{beamercolorbox}}}%
3499     \vskip0pt%
3500 }
3501
3502 \bidi@csundef{beamer@tmpop@headline@infolines theme}
3503
3504 \defbeamertemplate*{headline}{infolines theme}
3505 {%
3506     \leavevmode%
3507     \hbox{%
3508         \if@RTL
3509         \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
3510         \else
3511         \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
3512         \fi
3513         \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
3514         \end{beamercolorbox}%
3515         \if@RTL
3516         \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}
3517         \else

```




```

3518 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/foot}%
3519 \fi
3520 \usebeamerfont{subsection in head/foot}\hspace*{2ex}\insertsubsectionhead
3521 \end{beamercolorbox}}%
3522 \vskip0pt%
3523 }
3524
3525 \bidi@AfterFile{beamerouterthememsplit-xetex-bidi.def}{%
3526 \setbeamertemplate{footline}[infolines theme]%
3527 }
3528

```

35 File beamerouterthememetropolis-xetex-bidi.def

```

3529 \ProvidesFile{beamerouterthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3530 \setbeamertemplate{progress bar in head/foot}{
3531 \nointerlineskip
3532 \setlength{\metropolis@progressinheadfoot}{%
3533 \paperwidth * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}%
3534 }%
3535 \begin{beamercolorbox}[wd=\paperwidth]{progress bar in head/foot}
3536 \begin{tikzpicture}
3537 \fill[bg] (0,0) rectangle (\paperwidth, \metropolis@progressinheadfoot@linewidth);
3538 \if@RTLmain
3539 \fill[fg] (\paperwidth-\metropolis@progressinheadfoot,0) rectangle (\paperwidth, \metr
3540 \else
3541 \fill[fg] (0,0) rectangle (\metropolis@progressinheadfoot, \metropolis@progressinheadf
3542 \fi
3543 \end{tikzpicture}%
3544 \end{beamercolorbox}
3545 }
3546
3547 \AtBeginDocument{%
3548 \setbeamertemplate{frametitle}[plain]%
3549 }
3550
3551

```

36 File beamerouterthememiniframes-xetex-bidi.def

```

3552 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3553 \bidi@csundef{beamer@tmpop@headline@miniframes theme}
3554
3555 \defbeamertemplate*{headline}{miniframes theme}
3556 {%
3557 \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
3558 \end{beamercolorbox}
3559 \begin{beamercolorbox}{section in head/foot}
3560 \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt
3561 \end{beamercolorbox}%
3562 \ifbeamer@theme@subsection%
3563 \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
3564 \end{beamercolorbox}
3565 \if@RTL

```



```

3566 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3567 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/footer}
3568 \else
3569 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3570 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/footer}
3571 \fi
3572 \usebeamerfont{subsection in head/footer}\insertsubsectionhead
3573 \end{beamercolorbox}%
3574 \fi%
3575 \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
3576 \end{beamercolorbox}
3577 }
3578
3579

```

37 File beamerouterthemesidebar-xetex-bidi.def

```

3580 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for b
3581 \bidi@csundef{beamer@tmpop@frametitle@sidebar theme}
3582
3583 \bidi@csundef{beamer@tmpop@headline@sidebar theme}
3584
3585 \bidi@csundef{beamer@tmpop@sidebar left@sidebar theme}
3586
3587 \bidi@csundef{beamer@tmpop@sidebar right@sidebar theme}
3588
3589 \ifdim\beamer@headheight>0pt
3590
3591 \defbeamertemplate*{frametitle}{sidebar theme}
3592 {%
3593 \nointerlineskip%
3594 \ifbeamer@plainframe%
3595 \hbox{\usebeamercolor[bg]{frametitle}%
3596 \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
3597 \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\beam
3598 \nointerlineskip%
3599 \fi%
3600 \vskip-\beamer@headheight%
3601 \vbox to \beamer@headheight{%
3602 \vfil
3603 \bidi@beamer@leftskip=-\beamer@leftmargin%
3604 \advance\bidi@beamer@leftskip by0.3cm%
3605 \bidi@beamer@rightskip=-\beamer@rightmargin%
3606 \advance\bidi@beamer@rightskip by0.3cm plus1fil%
3607 {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par}
3608 \ifx\insertframesubtitle\@empty\else%
3609 {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframesu
3610 \fi%
3611 \vbox{}%
3612 \vskip-1em%
3613 \vfil
3614 }%
3615 }
3616

```



```

3617 \AtBeginDocument{%
3618   \setbeamertemplate{frametitle}[sidebar theme]%
3619 }
3620
3621 \defbeamertemplate*{headline}{sidebar theme}
3622 {%
3623   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
3624     \ifx\beamer@sidebarside\beamer@lefttext%
3625       \else%
3626         \hfill%
3627       \fi%
3628     \ifdim\beamer@sidebarwidth>0pt%
3629       \bgroup
3630       \usebeamercolor[bg]{logo}%
3631       \if@RTLmain
3632       \else
3633         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3634         \hskip-\beamer@sidebarwidth%
3635       \fi
3636       \hbox to \beamer@sidebarwidth{\hss\vbox to
3637         \beamer@headheight{\vss\hbox{\color{fg}\insertlogo}\vss}\hss}%
3638       \if@RTLmain
3639         \hskip-\beamer@sidebarwidth%
3640         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3641       \fi
3642       \egroup
3643     \else%
3644       \vrule width0pt height \beamer@headheight%
3645     \fi%
3646   \end{beamercolorbox}
3647 }
3648 \fi
3649
3650 \def\beamer@sidebarformat#1#2#3{%
3651 \if@RTL
3652   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{#
3653 \else
3654   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{#
3655 \fi
3656   \vbox{%
3657     #3\par%
3658   \vbox{%
3659     \vskip-1.5ex%
3660   \end{beamercolorbox}
3661 }
3662
3663 \ifdim\beamer@sidebarwidth>0pt
3664
3665 \AtBeginDocument{%
3666   \setbeamerzsize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
3667 }
3668
3669 \defbeamertemplate*{sidebar \beamer@sidebarside}{sidebar theme}
3670 {

```



```

3671 \beamer@tempdim=\beamer@sidebarwidth%
3672 \advance\beamer@tempdim by -6pt%
3673 {\usebeamerfont{title in sidebar}%
3674 \vskip1.5em%
3675 \hskip3pt%
3676 \bgroup
3677 \usebeamercolor[fg]{title in sidebar}%
3678 \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3679 \vskip1.25em%
3680 }%
3681 {%
3682 \hskip3pt%
3683 \bgroup
3684 \usebeamercolor[fg]{author in sidebar}%
3685 \usebeamerfont{author in sidebar}%
3686 \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3687 \vskip1.25em%
3688 }%
3689 \insertverticalnavigation{\beamer@sidebarwidth}%
3690 \vfill
3691 \ifx\beamer@sidebarside\beamer@lefttext%
3692 \else%
3693 \usebeamercolor{normal text}%
3694 \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
3695 \vskip2pt%
3696 \fi%
3697 }%
3698 \fi
3699

```

38 File beamerouterthemesplit-xetex-bidi.def

```

3700 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for bea
3701 \bidi@csundef{beamer@tmpop@footline@split theme}
3702
3703 \defbeamertemplate*{footline}{split theme}
3704 {%
3705 \leavevmode%
3706 \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm pl
3707 \else
3708 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightski
3709 \fi
3710 \usebeamerfont{author in head/foot}\insertshortauthor
3711 \end{beamercolorbox}%
3712 \if@RTL
3713 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm
3714 \else
3715 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm p
3716 \fi
3717 \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor[
3718 \end{beamercolorbox}}}%
3719 \vskip0pt%
3720 }
3721

```



39 File beamerouterthemeshadow-xetex-bidi.def

```

3723 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for be
3724 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitlesh
3725   color(0pt)=(frametitle right.bg);
3726   color(\paperwidth)=(frametitle.bg)
3727 }
3728
3729 \newcommand*{\bidi@beamer@frametitlesshade}{%
3730   \if@RTLmain
3731     \pgfuses shading{bidi@beamer@RTL@frametitlesshade}%
3732   \else
3733     \pgfuses shading{beamer@frametitlesshade}%
3734   \fi
3735 }
3736
3737 \bidi@csundef{beamer@tmpop@frametitle@shadow theme}
3738
3739 \defbeamer template*{frametitle}{shadow theme}
3740 {%
3741   \nointerlineskip%
3742   \vskip-2pt%
3743   \hbox{\leavevmode
3744     \advance\beamer@leftmargin by -12bp%
3745     \advance\beamer@rightmargin by -12bp%
3746     \beamer@tempdim=\textwidth%
3747     \advance\beamer@tempdim by \beamer@leftmargin%
3748     \advance\beamer@tempdim by \beamer@rightmargin%
3749     \hskip-\Gm@lmargin\hbox{%
3750       \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
3751         \vbox{\vskip-.75ex%
3752           \bidi@beamer@leftskip0.3cm%
3753           \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
3754           \bgroup\usebeamer color{fg}{frametitle}\usebeamer font{frametitle}\strut\insertframe
3755           \ifx\insertframesubtitle@empty\else%
3756             {\usebeamer font*{framesubtitle}\usebeamer color{fg}{framesubtitle}\insertframesu
3757           \fi%
3758           \nointerlineskip
3759           \vbox{}}%
3760         \end{minipage}}%
3761       \beamer@tempdim=\ht\beamer@tempbox%
3762       \advance\beamer@tempdim by 2pt%
3763       \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
3764         \begin{pgfscope}
3765           \pgfsetfillcolor{black}%
3766           \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
3767           \pgfsetfading{beamer@topshadowmask}{}%
3768           \pgfusepath{fill}%
3769         \end{pgfscope}
3770         \begin{pgfscope}
3771           \usebeamer color{frametitle right}%
3772           \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%

```



```

3773         \pgfusepath{clip}%
3774         \pgftext[left,base]{\bidi@beamer@frametitleshade}%
3775         \end{pgfscope}
3776         \end{pgfpicture}
3777         \hskip-\paperwidth%
3778         \box\beamer@tempbox%
3779     }%
3780     \hskip-\Gm@rmargin%
3781 }%
3782 \vskip-2pt
3783 }
3784
3785 \AtBeginDocument{%
3786     \setbeamertemplate{frametitle}[shadow theme]%
3787 }
3788
3789

```

40 File beamerouterthemesmoothbars-xetex-bidi.def

```

3790 \ProvidesFile{beamerouterthemesmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3791 \bidi@csundef{beamer@@tmpop@headline@smoothbars theme}
3792
3793 \bidi@csundef{beamer@@tmpop@frametitle@smoothbars theme}
3794
3795 \defbeamertemplate*{headline}{smoothbars theme}
3796 {%
3797     \pgfuses shading{beamer@barshade}%
3798     \vskip-0.05ex%
3799     \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3800     \begin{pgfpicture}
3801         \begin{pgfscope}%
3802             \ifbeamer@sb@subsection%
3803                 \pgfsetfillcolor{subsection in head/foot.bg}%
3804             \else%
3805                 \pgfsetfillcolor{section in head/foot.bg}%
3806             \fi%
3807             \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3808             \pgfsetfading{beamer@belowframetitlemask}{}%
3809             \pgfusepath{fill}%
3810         \end{pgfscope}%
3811     \end{pgfpicture}%
3812     \end{beamer colorbox}%
3813     \ifbeamer@sb@subsection%
3814         \vskip-9.75ex%
3815     \else%
3816         \vskip-6.85ex%
3817     \fi%
3818     \begin{beamer colorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}
3819         \insertnavigation{\paperwidth}
3820     \end{beamer colorbox}%
3821     \ifbeamer@sb@subsection%
3822     \if@RTL
3823         \begin{beamer colorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%

```



```

3824     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3825   \else
3826     \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3827       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3828     \fi
3829     \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3830   \end{beamercolorbox}%
3831 \fi%
3832 }%
3833
3834 \defbeamertemplate*{frametitle}{smoothbars theme}
3835 {%
3836   \nointerlineskip%
3837   \vskip-0.19ex%
3838   \usebeamerfont{headline}%
3839   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3840     \pgfuses shading{beamer@aboveframetitle}%
3841   \end{beamercolorbox}%
3842   \vskip-1ex%
3843   \nointerlineskip%
3844   \if@RTL
3845     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{frameti
3846   \else
3847     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{frameti
3848   \fi
3849     \vskip0.5ex%
3850     \usebeamerfont*{frametitle}\strut\insertframetitle%
3851     \ifx\insertframesubtitle\@empty%
3852       \strut\par%
3853     \else
3854       \par{\usebeamerfont*{framesubtitle}\usebeamercolor[fg]{framesubtitle}\strut\insertf
3855     \fi%%
3856     \usebeamerfont{headline}%
3857     \vskip0.05ex%
3858   \end{beamercolorbox}%
3859   \nointerlineskip%
3860   \vskip-0.05ex%
3861   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3862   \begin{pgfpicture}
3863     \begin{pgfscope}%
3864       \pgfsetfillcolor{frametitle.bg}%
3865       \pgfpathrectangle{\pgfpoint{- .5\paperwidth}{- .5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3866       \pgfsetfading{beamer@belowframetitlemask}{}%
3867       \pgfusepath{fill}%
3868     \end{pgfscope}%
3869   \end{pgfpicture}%
3870   \end{beamercolorbox}%
3871 }
3872
3873 \AtBeginDocument{%
3874   \setbeamertemplate{frametitle}[smoothbars theme]%
3875 }
3876
3877

```



41 File beamerouterthemesmoothtree-xetex-bidi.def

```
3878 \ProvidesFile{beamerouterthemesmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for]
3879 \bidi@csundef{beamer@tmpop@headline@smoothtree theme}
3880
3881 \bidi@csundef{beamer@tmpop@frametitle@smoothtree theme}
3882
3883 \defbeamertertemplate*{headline}{smoothtree theme}
3884 {%
3885   \pgfuses shading{beamer@treeshade}%
3886   \vskip-0.05ex%
3887   \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3888   \begin{pgf picture}
3889     \begin{pgf scope}%
3890       \pgfset fillcolor{subsection in head/foot.bg}%
3891       \pgfpath rectangle{\pgf point{-0.5\paperwidth}{-0.5ex}}{\pgf point{\paperwidth}{1ex}}%
3892       \pgfset fading{beamer@belowframetitlemask}%
3893       \pgfuse path{fill}%
3894     \end{pgf scope}%
3895   \end{pgf picture}%
3896   \end{beamer colorbox}%
3897   \vskip-9.15ex%
3898   \if@RTL
3899     \begin{beamer colorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3900       rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3901     \else
3902     \begin{beamer colorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3903       leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3904       \fi
3905       \usebeamer font{title in head/foot}\insertshorttitle
3906     \end{beamer colorbox}
3907   \if@RTL
3908     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3909       rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3910     \else
3911     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3912       leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3913       \fi
3914       \usebeamer font{section in head/foot}%
3915       \hskip6pt\insertsectionhead
3916     \end{beamer colorbox}
3917   \if@RTL
3918     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3919       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3920     \else
3921     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3922       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3923       \fi
3924       \usebeamer font{subsection in head/foot}%
3925       \hskip12pt\insertsubsectionhead
3926     \end{beamer colorbox}
3927   \vskip-0.4ex%
3928 }
3929
```




```

3930 \defbeamertemplate*{frametitle}{smoothtree theme}
3931 {%
3932   \nointerlineskip%
3933   \vskip-0.05ex%
3934   \usebeamerfont{headline}%
3935   \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3936     \pgfuses shading{beamer@aboveframetitle}%
3937   \end{beamercolorbox}
3938   \nointerlineskip%
3939   \if@RTL
3940     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3941   \else
3942     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3943   \fi
3944     \vskip-1.2ex%
3945     \usebeamerfont*{frametitle}\strut\insertframetitle%
3946     \ifx\insertframesubtitle\@empty%
3947       \strut\par%
3948     \else
3949       \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}%
3950     \fi%%
3951     \usebeamerfont{headline}%
3952   \end{beamercolorbox}%
3953   \nointerlineskip
3954   \vskip-0.2ex%
3955   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3956   \begin{pgfpicture}
3957     \begin{pgfscope}%
3958       \pgfsetfillcolor{frametitle.bg}%
3959       \pgfpathrectangle{\pgfpoint{- .5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3960       \pgfsetfading{beamer@belowframetitlemask}{}%
3961       \pgfusepath{fill}%
3962     \end{pgfscope}%
3963   \end{pgfpicture}%
3964   \end{beamercolorbox}%
3965 }
3966
3967
3968 \AtBeginDocument{%
3969   \setbeamertemplate{frametitle}[smoothtree theme]%
3970 }
3971
3972

```

42 File beamerouterthemetree-xetex-bidi.def

```

3973 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beam
3974 \bidi\csundef{beamer@tmpop@headline@tree theme}
3975
3976 \defbeamertemplate*{headline}{tree theme}
3977 {%
3978   \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3979   \end{beamercolorbox}
3980   \if@RTL

```



```

3981 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3982 rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3983 \else
3984 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3985 leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3986 \fi
3987 \usebeamerfont{title in head/foot}\insertshorttitle
3988 \end{beamercolorbox}
3989 \if@RTL
3990 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3991 rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3992 \else
3993 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3994 leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3995 \fi
3996 \usebeamerfont{section in head/foot}%
3997 \ifbeamer@tree@showhooks
3998 \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3999 \ifdim\wd\beamer@tempbox>1pt%
4000 \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0.
4001 \hskip1pt%
4002 \fi%
4003 \else%
4004 \hskip6pt%
4005 \fi%
4006 \insertsectionhead
4007 \end{beamercolorbox}
4008 \if@RTL
4009 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
4010 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
4011 \else
4012 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
4013 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
4014 \fi
4015 \usebeamerfont{subsection in head/foot}%
4016 \ifbeamer@tree@showhooks
4017 \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%
4018 \ifdim\wd\beamer@tempbox>1pt%
4019 \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height
4020 \hskip1pt%
4021 \fi%
4022 \else%
4023 \hskip12pt%
4024 \fi%
4025 \insertsubsectionhead
4026 \end{beamercolorbox}
4027 \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
4028 \end{beamercolorbox}
4029 }
4030
4031

```

43 File beamerthemeHannover-xetex-bidi.def



```

4032 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beamer]
4033 \AtBeginDocument{%
4034   \if@RTLmain
4035     \setbeamertemplate{frametitle}[default][left]%
4036   \else
4037     \setbeamertemplate{frametitle}[default][right]%
4038   \fi
4039 }
4040
4041

```

44 File beamerthemeSingapore-xetex-bidi.def

```

4042 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beamer]
4043 \addtoheadtemplate{\pgfuses shading{beamer@headfade}\vskip-1.25cm}{%
4044
4045 \beamertemplatedotitem
4046
4047 \AtBeginDocument{%
4048   \setbeamertemplate{frametitle}[default][center]%
4049 }
4050
4051

```

45 File bidi.sty

```

4052 \NeedsTeXFormat{LaTeX2e}
4053 \def\bididate{2025/09/13}
4054 \def\bidi@version{25.09.13}
4055 \def\bidi@releasename{Iran}
4056 \newcommand*{\bidi@releasename}{\bidi@releasename}
4057 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space (Release \bidi@releasename)\space]
4058 Bidirectional typesetting in plain TeX and LaTeX]
4059 \newif\if@bidi@banner
4060 \newif\if@bidi@pdfbanner
4061 \newif\iffootdir@debug
4062 \newif\if@extrafootnote@features
4063 \newif\if@nonlatin
4064 \newif\if@bidi@pdfm@mark
4065 \newif\if@bidi@perpage@footnote
4066 \ExplSyntaxOn
4067 \msg_new:nnn {bidi} {cannot-use-engine}
4068 {
4069   Oops!~can~not~use~\c_sys_engine_str.\\
4070   The~bidi~package~requires~XeTeX.
4071 }
4072 \sys_if_engine_xetex:F
4073 {
4074   \msg_fatal:nn {bidi} {cannot-use-engine}
4075 }
4076
4077 \keys_define:nn { bidi }
4078 {
4079   banner .choice: ,

```



```

4080     banner / on .code:n = \@bidi@bannertrue ,
4081     banner / off .code:n = \@bidi@bannerfalse ,
4082     banner .default:n = on
4083 }
4084 \keys_define:nn { bidi }
4085 {
4086     PDFbanner .choice: ,
4087     PDFbanner / on .code:n = \@bidi@pdfbannertrue ,
4088     PDFbanner / off .code:n = \@bidi@pdfbannerfalse ,
4089     PDFbanner .default:n = on
4090 }
4091 \keys_define:nn { bidi }
4092 {
4093     RTLdocument .choice: ,
4094     RTLdocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4095     RTLdocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4096     RTLdocument .default:n = on
4097 }
4098 \keys_define:nn { bidi }
4099 {
4100     rldocument .choice: ,
4101     rldocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4102     rldocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4103     rldocument .default:n = on
4104 }
4105 \keys_define:nn { bidi }
4106 {
4107     documentdirection .choice: ,
4108     documentdirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtrue} ,
4109     documentdirection / lefttoright .code:n = \AtEndOfPackage{\@RTLfalse}
4110 }
4111 \keys_define:nn { bidi }
4112 {
4113     tabledirection .choice: ,
4114     tabledirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtabtrue} ,
4115     tabledirection / lefttoright .code:n = \AtEndOfPackage{\@RTLtabfalse}
4116 }
4117 \keys_define:nn { bidi }
4118 {
4119     footnotedirection .choice: ,
4120     footnotedirection / righttoleft .code:n = \AtEndOfPackage{\@RTL@footnotetrue} ,
4121     footnotedirection / lefttoright .code:n = \AtEndOfPackage{\@RTL@footnotefalse}
4122 }
4123 \keys_define:nn { bidi }
4124 {
4125     debugfootnotedirection .choice: ,
4126     debugfootnotedirection / on .code:n = \footdir@debugtrue ,
4127     debugfootnotedirection / off .code:n = \footdir@debugfalse ,
4128     debugfootnotedirection .default:n = on
4129 }
4130 \keys_define:nn { bidi }
4131 {
4132     footnoterule .choice: ,
4133     footnoterule / automatic .code:n = \AtEndOfPackage{\autofootnoterule} ,

```



```

4134 footnoterule / left .code:n = \AtEndOfPackage{\leftfootnoterule} ,
4135 footnoterule / right .code:n = \AtEndOfPackage{\rightfootnoterule} ,
4136 footnoterule / split .code:n = \AtEndOfPackage{\SplitFootnoteRule} ,
4137 footnoterule / textwidth .code:n = \AtEndOfPackage{\textwidthfootnoterule}
4138 }
4139 \keys_define:nn { bidi }
4140 {
4141   extrafootnotefeatures .choice: ,
4142   extrafootnotefeatures / on .code:n = \@extrafootnotefeaturestrue ,
4143   extrafootnotefeatures / off .code:n = \@extrafootnotefeaturesfalse ,
4144   extrafootnotefeatures .default:n = on
4145 }
4146 \keys_define:nn { bidi }
4147 {
4148   script .choice: ,
4149   script / latin .code:n = \@nonlatinfalse ,
4150   script / nonlatin .code:n = \@nonlatintrue ,
4151   script .default:n = latin
4152 }
4153 \keys_define:nn { bidi }
4154 {
4155   DetectColumn .choice: ,
4156   DetectColumn / on .code:n =
4157     \def\bidi@firstcolumn@status@write{%
4158       \protected@write\@auxout{%
4159         {\string\bidi@column@status
4160           {1}}}%
4161     \def\bidi@lastcolumn@status@write{%
4162       \protected@write\@auxout{%
4163         {\string\bidi@column@status{2}}}%
4164   DetectColumn / off .code:n =
4165     \let\bidi@firstcolumn@status@write\relax
4166     \let\bidi@lastcolumn@status@write\relax ,
4167   DetectColumn .default:n = on
4168 }
4169 \keys_define:nn { bidi }
4170 {
4171   logo .choice: ,
4172   logo / on .code:n = \AtEndOfPackage{\AtBeginDocument{\@bidi@inslogo@}} ,
4173   logo / off .code:n = \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty ,
4174   logo .default:n = on
4175 }
4176 \keys_define:nn { bidi }
4177 {
4178   pdfinfo .choice: ,
4179   pdfinfo / on .code:n = \@bidi@pdfm@marktrue ,
4180   pdfinfo / off .code:n = \@bidi@pdfm@markfalse ,
4181   pdfinfo .default:n = on
4182 }
4183 % The `perpagefootnote' option is documented in UK TeX FAQ at
4184 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
4185 \keys_define:nn { bidi }
4186 {
4187   perpagefootnote .choice: ,

```



```

4188     perpagefootnote / on .code:n = \@bidi@perpage@footnotetrue ,
4189     perpagefootnote / off .code:n = \@bidi@perpage@footnotefalse ,
4190     perpagefootnote .default:n = on
4191 }
4192 \keys_set:nn { bidi }
4193 {
4194     banner = on ,
4195     PDFbanner = on ,
4196     DetectColumn = off
4197 }
4198 }
4199 \ExplSyntaxOff
4200 \ProcessKeyOptions
4201 \edef\@bidi@info{*****~J%
4202 * ~J%
4203 * bidi package (Bidirectional typesetting with~J%
4204 * plain TeX and LaTeX formats in XeTeX and LuaTeX engines)~J%
4205 * ~J%
4206 * Description: A convenient interface for~J%
4207 * typesetting bidirectional texts in plain TeX~J%
4208 * and LaTeX. The package includes adaptations~J%
4209 * for use with many other commonly-used packages.~J%
4210 * ~J%
4211 * Copyright (c) 2007--2025 Vafa Khalighi~J%
4212 * Copyright (c) 2018--2020 bidi-tex GitHub organization~J%
4213 * ~J%
4214 * v\bidi@version\space (Release \bidi@releasename), \bididate~J%
4215 * ~J%
4216 * License: LaTeX Project Public License, version~J%
4217 * 1.3c or higher (your choice)~J%
4218 * ~J%
4219 * Location on CTAN: /macros/unicodetex/generic/bidi~J%
4220 * ~J%
4221 * Issue tracker: https://github.com/xepersian/bidi/issues~J%
4222 * ~J%
4223 * Primary author of bidi package: Vafa Khalighi.~J%
4224 * ~J%
4225 *****}
4226 \edef\bidi@everyjob{\the\everyjob}
4227 \if@bidi@banner
4228   \typeout{\@bidi@info}
4229   \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
4230 \fi
4231 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
4232 \RequirePackage{biditools}
4233 \RequirePackage{zref-abspage}
4234 \RequirePackage{auxhook}
4235 \RequirePackage{ltxcmds}
4236 \eqnewif{\if@RTLmain}{\if@rlmain}
4237 \eqnewif{\if@RTL}{\if@rl}
4238 \newcommand*{\setlatin}{\@nonlatinfalse}
4239 \newcommand*{\setnonlatin}{\@nonlatintrue}
4240 \eqnewif{\if@RTLtab}{\if@tab@rl}
4241 \newif\if@hboxRconstruct

```



```

4242 \newif\if@bidi@pdfencrypt
4243 \newcommand*{\setRTLtable}{\@RTLtabtrue}
4244 \newcommand*{\setLTRtable}{\@RTLtabfalse}
4245 \newif\if@RTLmarginpar
4246 \newif\if@LTRmarginpar
4247 \newif\if@LTRbibitems
4248 \newif\if@RTLbibitems
4249 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
4250 \newif\if@bidi@list@minipage@parbox
4251 \newif\if@bidi@list@minipage@parbox@not@nob
4252 \newcommand*{\@bidi@pdfcreator}{%
4253   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4254 }
4255 \newcommand*{\@bidi@pdfproducer}{%
4256   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4257 }
4258 \newcommand*{\@bidi@pdfcustomproperties}{%
4259   This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4260   Released September 13, 2025.
4261 }
4262 \newcommand*{\@bidi@beamer@ragged}{%
4263   \@RTLmainfalse
4264   \AtBeginDocument{%
4265     \if@RTLmain\else
4266       \if@RTL\@RTLmaintrue%
4267       \else\@RTLmainfalse%
4268       \fi%
4269     \fi%
4270 }
4271 \let\n@xt=\
4272 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
4273 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4274 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
4275 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4276 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4277   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4278 \newinsert\@bidi@copyins@
4279 \skip\@bidi@copyins@=12\p@
4280 \dimen\@bidi@copyins@=40pc
4281 \count\@bidi@copyins@=1000
4282 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
4283 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
4284   \if@RTLmain
4285     \if@twocolumn
4286       \hboxR to \columnwidth
4287     \else
4288       \hboxR to \textwidth
4289     \fi
4290   \else
4291     \if@twocolumn
4292       \hboxL to \columnwidth
4293     \else
4294       \hboxL to \textwidth
4295     \fi

```



```

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

```




```

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

```



```

4404         /Producer(\@bidi@pdfproducer)%
4405         /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4406         \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4407             /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4408         }{}%
4409         >>%
4410     }%
4411 }
4412 \else
4413     \AtEndDocument{%
4414         \special{pdf:%
4415             docinfo<<%
4416                 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4417                 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4418                     /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4419                 }{}%
4420             >>%
4421         }%
4422     }
4423 \fi
4424 \else
4425     \if@bidi@pdfm@mark
4426         \AtEndDocument{%
4427             \special{pdf:%
4428                 docinfo<<%
4429                     /Creator(\@bidi@pdfcreator)%
4430                     /Producer(\@bidi@pdfproducer)%
4431                 >>%
4432             }%
4433         }
4434 \fi
4435 \fi

```

46 File bidi.tex

```

4436 \def\bididate{2025/09/13}
4437 \catcode`@=11
4438 \def\bidi@version{25.09.13}
4439 \def\bidi@releasename{Iran}
4440 \def\bidireleasename{\bidi@releasename}
4441 \let \protect \relax
4442 \newlinechar`\^^J
4443 \edef\@bidi@info{*****~J%
4444 * ~J%
4445 * bidi package (Bidirectional typesetting with~J%
4446 * plain TeX and LaTeX formats in XeTeX and LuaTeX engines)~J%
4447 * ~J%
4448 * Description: A convenient interface for~J%
4449 * typesetting bidirectional texts in plain TeX~J%
4450 * and LaTeX. The package includes adaptations~J%
4451 * for use with many other commonly-used packages.~J%
4452 * ~J%
4453 * Copyright (c) 2007--2025 Vafa Khalighi~J%
4454 * Copyright (c) 2018--2020 bidi-tex GitHub organization~J%

```



```

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

```



```

4509 \hboxR to
4510 \else
4511 \hboxL to
4512 \fi
4513 }
4514 \def\@bidi@logo#1{%
4515 \toks@{%
4516 \setbox\z@\hbox{%
4517 \special{%
4518 pdf:image width 50pt height 50pt (#1)%
4519 }
4520 }%
4521 \dp\z@\z@
4522 \ht\z@=50pt
4523 \wd\z@=50pt
4524 \beginL
4525 \lower20pt\box\z@
4526 \endL
4527 }%
4528 \the\toks@
4529 }
4530 \def\today{\ifcase\month\or
4531 January\or February\or March\or April\or May\or June\or
4532 July\or August\or September\or October\or November\or December\fi
4533 \space\number\day, \number\year}
4534 \def\two@digits#1{\ifnum#1<10 0\fi\number#1}
4535 \newcount\@bidi@typesethour
4536 \newcount\@bidi@typesetminute
4537 \@bidi@typesethour=\time
4538 \divide\@bidi@typesethour 60
4539 \@bidi@typesetminute=-\@bidi@typesethour
4540 \multiply\@bidi@typesetminute 60
4541 \advance\@bidi@typesetminute \time
4542 \def\TypesetHour{\two@digits\@bidi@typesethour}
4543 \def\TypesetMinute{\two@digits\@bidi@typesetminute}
4544 \def\TypesetTime{\TypesetHour:\TypesetMinute}
4545 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset {\today} at {\TypesetTime} by
4546 \def\bidilogo{\@bidi@inslogo@}
4547 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
4548 \def\@bidi@pdfcreator{%
4549 The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \bididate
4550 }
4551 \def\@bidi@pdfproducer{%
4552 The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \bididate
4553 }
4554 \def\@bidi@pdfcustomproperties{%
4555 This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4556 Released September 13, 2025.
4557 }
4558 \def\@bidi@pdfm@mark{%
4559 \special{pdf:%
4560 docinfo<<%
4561 \if\@bidi@pdfm@mark
4562 /Creator(\@bidi@pdfcreator)%

```



```

4563      /Producer(\@bidi@pdfproducer)%
4564      \fi
4565      /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4566      >>%
4567      }%
4568 }
4569 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
4570 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
4571 \input plain-xetex-bidi.def
4572 \outer\def\bye{\@bidi@pdfm@mark\par\vfill\supereject\end}
4573 \catcode\@=12
4574 \bidipdfinfoon

```

47 File bidi2in1.sty

```

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

```



```

4614 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
4615 \@maketitle
4616 \@thanks
4617 \endgroup
4618 \setcounter{footnote}{0}%
4619 \global\let\thanks\relax
4620 \global\let\maketitle\relax
4621 \global\let\@maketitle\relax
4622 \global\let\@thanks\@empty
4623 \global\let\@author\@empty
4624 \global\let\@date\@empty
4625 \global\let\@title\@empty
4626 \global\let\title\relax
4627 \global\let\author\relax
4628 \global\let\date\relax
4629 \global\let\and\relax
4630 }

```

48 File bidicode.sty

```

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

```



```

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

```



```

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

```




```

4773 \newenvironment{BDef*}
4774   {\begin{lrbox}\boxdef
4775     \def\arraystretch{1.0}
4776     \begin{tabular}{@{}l@{}l@{}l@{}}
4777   }
4778   {\end{tabular}\end{lrbox}
4779   {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}}
4780   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4781 }
4782 \newenvironment{BCmd*}{
4783   \@beginparpenalty-\@lowpenalty
4784   \topsep\BDefaboveskip
4785   \fboxsep3pt
4786   \flushleft}
4787 {\@endparpenalty\@M
4788  \topsepadd\BDefbelowskip
4789  \endflushleft}
4790
4791 \newenvironment{BCmd*}{
4792   \@beginparpenalty\@M
4793   \topsep\BDefinlineskip
4794   \fboxsep3pt
4795   \flushleft}
4796 {\@endparpenalty5000
4797  \endflushleft}
4798
4799 \newskip\BDefaboveskip
4800 \newskip\BDefbelowskip
4801 \newskip\BDefinlineskip
4802 \setlength\BDefaboveskip{10pt plus 4pt}
4803 \setlength\BDefbelowskip{6pt}
4804 \setlength\BDefinlineskip{6pt}
4805
4806 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
4807 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
4808 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
4809 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

49 File bidiftnxtra.sty

```

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

```



```

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

```



```

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

```



```

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

```



```

4986      \let\@xLTRfootnotenext\@xLTRftntext
4987      \let\@xLTRfootnote\@xLTRfootnote
4988      \let\@xRTLfootnotenext\@xRTLftntext
4989      \let\@xRTLfootnote\@xRTLfootnote
4990      \hsize\columnwidth
4991      \@parboxrestore
4992      \@floatboxreset
4993 }
4994 \def \@endfloatbox{%
4995     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
4996     \@minipagefalse
4997     \outer@nobreak
4998     \egroup                %% end of vbox
4999     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
5000     \color@endbox
5001 }

```

50 File bidimoderncv.cls

```

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

```



```

5037 \input{size1\@ptsize.clo}
5038 \RequirePackage{color}
5039 \RequirePackage{graphicx}
5040 \RequirePackage{ifthen}
5041 \RequirePackage{marvosym}
5042 \addtolength{\oddsidemargin}{-54pt}
5043 \addtolength{\textwidth}{109pt}
5044 \addtolength{\topmargin}{-70pt}
5045 \addtolength{\textheight}{122pt}
5046 \addtolength{\marginparsep}{-5pt}
5047 \addtolength{\marginparwidth}{-10pt}
5048 \RequirePackage{url}
5049 \RequirePackage{hyperref}
5050 \hypersetup{%
5051   breaklinks,
5052   baseurl      = http://,%
5053   pdfborder    = 0 0 0,%
5054   pdfpagemode  = UseNone,%
5055   pdfstartpage = 1}
5056 \AtEndOfClass{%
5057   \AtBeginDocument{%
5058     \hypersetup{%
5059       pdfauthor      = \@firstname~\@familyname,%
5060       pdftitle       = \@title,%
5061       pdfsubject     = \@firstname~\@familyname,%
5062       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
5063 \urlstyle{tt}
5064 \RequirePackage{fancyhdr}
5065 \fancypagestyle{plain}{%
5066   \renewcommand{\headrulewidth}{0pt}
5067   \renewcommand{\footrulewidth}{0pt}
5068   \fancyhf{}}
5069 \pagestyle{plain}
5070 \setlength\lineskip{1\p@}
5071 \setlength\normallineskip{1\p@}
5072 \renewcommand\baselinestretch{}
5073 \setlength{\parindent}{0pt}
5074 \setlength{\parskip}{0pt}
5075 \setlength\columnsep{10\p@}
5076 \setlength\columnseprule{0\p@}
5077 \pagestyle{empty}
5078 \pagenumbering{arabic}
5079 \raggedbottom
5080 \onecolumn
5081 \providecommand*\listitemsymbol{\textbullet}
5082 \providecommand*\addresssymbol{}
5083 \providecommand*\mobilesymbol{\Mobilefone}
5084 \providecommand*\phonesymbol{\Telefon}
5085 \providecommand*\faxsymbol{\FAX}
5086 \providecommand*\emailsymbol{\Letter}
5087 \definecolor{firstnamecolor}{rgb}{0,0,0}
5088 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
5089 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
5090 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}

```



```

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

```



```

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

```




```

5199 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
5200 \newcommand*{\link}[2][{}]{%
5201 \ifthenelse{\equal{#1}{}}{%
5202 {\href{#2}{#2}}%
5203 {\href{#2}{#1}}}
5204 \newcommand*{\httplink}[2][{}]{%
5205 \ifthenelse{\equal{#1}{}}{%
5206 {\href{http://#2}{#2}}%
5207 {\href{http://#2}{#1}}}
5208 \newcommand*{\emailink}[2][{}]{%
5209 \ifthenelse{\equal{#1}{}}{%
5210 {\href{mailto:#2}{#2}}%
5211 {\href{mailto:#2}{#1}}}
5212 \newif\if@displaypagenumbers\@displaypagenumberstrue
5213 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
5214 \AtBeginDocument{%
5215 \if@displaypagenumbers%
5216 \ifundefined{r@lastpage}{\fi%
5217 \ifthenelse{\pageref{lastpage} > 1}{%
5218 \fancypagestyle{plain}{%
5219 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pag
5220 \pagestyle{plain}}}{\fi}%
5221 \AtEndDocument{\label{lastpage}}%
5222 \fi}
5223 \newlength{\bibindent}
5224 \setlength{\bibindent}{1.5em}
5225 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
5226 \newenvironment{thebibliography}[1]{%
5227 {%
5228 \section{\refname}%
5229 \small%
5230 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5231 \bidi@thebibliography@font@hook%
5232 \begin{list}{\bibliographyitemlabel}%
5233 {%
5234 \setlength{\topsep}{0pt}%
5235 \setlength{\labelwidth}{\hintscolumnwidth}%
5236 \setlength{\labelsep}{\separatorcolumnwidth}%
5237 \leftmargin\labelwidth%
5238 \advance\leftmargin\labelsep%
5239 \@openbib@code%
5240 \usecounter{enumiv}%
5241 \let\p@enumiv\empty%
5242 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5243 \sloppy\clubpenalty4000\widowpenalty4000%
5244 }%
5245 {%
5246 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
5247 \end{list}%
5248 }
5249 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
5250 \let\@openbib@code\empty

```



51 File bidi-perpage.sty

```

5251 \NeedsTeXFormat{LaTeX2e}
5252 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
5253 \newcount\bidi@page@count
5254 \bidi@page@count\@ne
5255 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
5256   \if@bidi@csundef\bidi@stepcounterhook@#2}{%
5257     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{%
5258   }}%
5259   \if@bidi@csundef\if@bidi@reset@#2@rerun}{%
5260     \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
5261   }{%
5262     \if@bidi@csundef\bidi@#2@count}{%
5263       \expandafter\newcount\csname bidi@#2@count\endcsname
5264     }{%
5265       \csname bidi@#2@count\endcsname\z@
5266     \if@bidi@csundef\bidi@previous@page@#2@count}{%
5267       \expandafter\newcount\csname
5268         bidi@previous@page@#2@count\endcsname
5269     }{%
5270       \csname bidi@previous@page@#2@count\endcsname\z@
5271     \if@bidi@csundef\bidi@reset@#2@perpage}{%
5272       \bidi@AfterEndDocumentCheckLabelsRerun{%
5273         \csname if@bidi@reset@#2@rerun\endcsname
5274         \PackageWarningNoLine{bidi-perpage}{%
5275           Counter `#2' may not have been reset per page.
5276           Rerun to reset counter `#2' per page%
5277         }%
5278       \fi
5279     }%
5280   }{%
5281     \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
5282       \global\advance\csname bidi@#2@count\endcsname\@ne
5283       \if@filesw
5284         \edef\@tempa{%
5285           \write\@auxout{%
5286             \string\bidi@counter@page{#2}%
5287             {\number\csname bidi@#2@count\endcsname}%
5288             {\noexpand\number\noexpand\bidi@page@count}%
5289           }%
5290         }%
5291         \@tempa
5292       \fi
5293     \begingroup\expandafter\expandafter\expandafter\endgroup
5294     \expandafter\ifx\csname bidi@#2@@\number\csname
5295       bidi@#2@count\endcsname\endcsname\relax
5296       \global\csname @bidi@reset@#2@reruntrue\endcsname
5297     \else
5298       \global\csname @bidi@reset@#2@rerunfalse\endcsname
5299       \expandafter\@tempcnta\csname bidi@#2@@\number
5300       \csname bidi@#2@count\endcsname\endcsname\relax
5301       \ifnum\@tempcnta=\csname
5302         bidi@previous@page@#2@count\endcsname

```



```

5303 \else
5304 \global\csname
5305 bidi@previous@page@@#2@count\endcsname\@tempcnta
5306 \global\csname c@#2\endcsname#1\relax
5307 \fi
5308 \fi
5309 }%
5310 \expandafter\bidi@gappto\csname
5311 bidi@stepcounterhook@@#2\endcsname{%
5312 \csname bidi@reset@#2@perpage\endcsname
5313 }%
5314 }
5315 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@@#2}{#3}}
5316 \bidi@AtEndOutputPage{%
5317 \global\advance\bidi@page@count\@ne
5318 }

```

52 File biditools.sty

```

5319 \NeedsTeXFormat{LaTeX2e}
5320 \ProvidesPackage{biditools}[2025/02/02 v2.7 Programming tools for bidi package]
5321 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
5322 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5323 \ifx\@tempa\@tempb \global\let#2#1%
5324 \else
5325 \edef\@tempb{\meaning#2}%
5326 \ifx\@tempa\@tempb
5327 \else
5328 \latex@error{Unable to properly define \string#2; primitive
5329 \noexpand#1no longer primitive}\@eha
5330 \fi
5331 \fi
5332 \endgroup}
5333 \newtoks\@bidi@envbody
5334 \newtoks\@bidi@emptytoks
5335 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5336 \def\bidi@collect@body#1{%
5337 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5338 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
5339 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5340 \begingroup
5341 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@@body
5342 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
5343 \bidi@process@envbody
5344 }
5345 \def\bidi@push@begins#1\begin#2{%
5346 \ifx\end#2\else b\expandafter\bidi@push@begins\fi
5347 }
5348 \def\bidi@collect@@body#1\end#2{%
5349 \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack
5350 \ifx\@empty\begin@bidi@stack
5351 \endgroup
5352 \checkend{#2}%
5353 \bidi@addto@envbody{#1}%

```



```

5354 \else
5355 \bidi@addto@envbody{#1\end{#2}}%
5356 \fi
5357 \bidi@process@envbody % A little tricky! Note the grouping
5358 }
5359 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5360 \long\def\bidi@collect@long@body#1{%
5361 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5362 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
5363 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5364 \begingroup
5365 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@long@@body
5366 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
5367 \bidi@process@envbody
5368 }
5369 \long\def\bidi@push@long@begins#1\begin#2{%
5370 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
5371 }
5372 \long\def\bidi@collect@long@@body#1\end#2{%
5373 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
5374 \ifx\@empty\begin@bidi@stack
5375 \endgroup
5376 \@checkend{#2}%
5377 \bidi@addto@long@envbody{#1}%
5378 \else
5379 \bidi@addto@long@envbody{#1\end{#2}}%
5380 \fi
5381 \bidi@process@envbody % A little tricky! Note the grouping
5382 }
5383 \long\def\bidi@new@ifnextchar#1#2#3{%
5384 \let\reserved@d= #1%
5385 \def\reserved@a{#2}\def\reserved@b{#3}%
5386 \futurelet\@let@token\bidi@new@ifnch
5387 }
5388 \def\bidi@new@ifnch{%
5389 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
5390 \reserved@b
5391 }
5392 \def\bidi@matrix@check#1{%
5393 \expandafter\ifx\csname\@currentvir\endcsname#1%
5394 \else\bidi@matrix@error#1%
5395 \expandafter\@gobble
5396 \fi
5397 }
5398 \def\bidi@matrix@error#1{%
5399 \PackageError{biditools}{%
5400 Old form ``\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
5401 }{%
5402 ``\string#1{...}' is old bidi package syntax whose use is
5403 ill-advised in the old versions of bidi package.%
5404 }%
5405 }
5406 \def\eqnewif#1#2{%
5407 \count@\escapechar \escapechar\m@ne

```



```

5408 \let#1\iffalse
5409 \let#2\iffalse
5410 \eq@if#1#2\iftrue
5411 \eq@if#1#2\iffalse
5412 \escapechar\count@}
5413 \def\eq@if#1#2#3{%
5414 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5415 \expandafter@gobbletwo\string#3\endcsname
5416 {\let#1#3%
5417 \let#2#3}%
5418 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5419 \expandafter@gobbletwo\string#3\endcsname
5420 {\let#2#3%
5421 \let#1#3}}
5422 \def\noteqnewif#1#2{%
5423 \count@\escapechar \escapechar\m@ne
5424 \let#1\iffalse
5425 \let#2\iffalse
5426 \not@eq@if#1#2\iftrue\iffalse
5427 \escapechar\count@}
5428 \def\not@eq@if#1#2#3#4{%
5429 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5430 \expandafter@gobbletwo\string#3\endcsname
5431 {\let#1#3%
5432 \let#2#4}%
5433 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5434 \expandafter@gobbletwo\string#4\endcsname
5435 {\let#1#4%
5436 \let#2#3}%
5437 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5438 \expandafter@gobbletwo\string#3\endcsname
5439 {\let#2#3%
5440 \let#1#4}%
5441 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5442 \expandafter@gobbletwo\string#4\endcsname
5443 {\let#2#4%
5444 \let#1#3}}
5445 \newcommand*\SetBoolean}[2]{%
5446 \lowercase{\def\@tempa{#2}}%
5447 \@ifundefined{\@tempa}{\PackageError{biditytools}%
5448 {You can only set a boolean to `true' or `false'}\@ehc}%
5449 {\@ifundefined{#1\@tempa}%
5450 {\PackageError{biditytools}{Boolean #1 undefined}\@ehc}%
5451 {\csname#1\@tempa\endcsname}}}%
5452 \newcommand*\GlobalSetBoolean}[2]{%
5453 \lowercase{\def\@tempa{#2}}%
5454 \@ifundefined{\@tempa}{\PackageError{biditytools}%
5455 {You can only set a boolean to `true' or `false'}\@ehc}%
5456 {\@ifundefined{#1\@tempa}%
5457 {\PackageError{biditytools}{Boolean #1 undefined}\@ehc}%
5458 {\global\csname#1\@tempa\endcsname}}}%
5459 \newcommand*\SetatBoolean}[2]{%

```



```

5462 \lowercase{\def\@tempa{#2}}%
5463 \@ifundefined{@tempwa\@tempa}%
5464 {\PackageError{biditools}%
5465   {You can only set a boolean to `true' or `false'}\@ehc}%
5466 {\@ifundefined{@#1\@tempa}%
5467   {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5468   {\csname @#1\@tempa\endcsname}}}%
5469 \newcommand*{\GlobalSetatBoolean}[2]{%
5470 \lowercase{\def\@tempa{#2}}%
5471 \@ifundefined{@tempwa\@tempa}%
5472 {\PackageError{biditools}%
5473   {You can only set a boolean to `true' or `false'}\@ehc}%
5474 {\@ifundefined{@#1\@tempa}%
5475   {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5476   {\global\csname @#1\@tempa\endcsname}}}%
5477 \def\@bidi@removefromreset#1#2{%
5478 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
5479 \def\@elt##1{%
5480 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
5481 \else
5482 \noexpand\@elt{##1}%
5483 \fi}%
5484 \expandafter\xdef\csname cl@#2\endcsname{%
5485 \csname cl@#2\endcsname}}}%
5486 \newcommand*{\ifRtoL}{%
5487 \if@RTL
5488 \expandafter\@firstoftwo
5489 \else
5490 \expandafter\@secondoftwo
5491 \fi}%
5492 \newcommand*{\ifLtoR}{%
5493 \if@RTL
5494 \expandafter\@secondoftwo
5495 \else
5496 \expandafter\@firstoftwo
5497 \fi}%
5498 \newcommand*{\ifRtoLtable}{%
5499 \if@RTLtab
5500 \expandafter\@firstoftwo
5501 \else
5502 \expandafter\@secondoftwo
5503 \fi}%
5504 \newcommand*{\ifLtoRtable}{%
5505 \if@RTLtab
5506 \expandafter\@secondoftwo
5507 \else
5508 \expandafter\@firstoftwo
5509 \fi}%
5510 \newcommand*{\ifRtoLhboxconstruct}{%
5511 \if@hboxRconstruct
5512 \expandafter\@firstoftwo
5513 \else
5514 \expandafter\@secondoftwo
5515 \fi}%

```



```

5516 \newcommand*{\ifLtoRhboxconstruct}{%
5517   \if@hboxRconstruct
5518     \expandafter\@secondoftwo
5519   \else
5520     \expandafter\@firstoftwo
5521   \fi}
5522 \newcommand*{\iflatin}{%
5523   \if@nonlatin
5524     \expandafter\@secondoftwo
5525   \else
5526     \expandafter\@firstoftwo
5527   \fi}
5528 \newcommand*{\ifnonlatin}{%
5529   \if@nonlatin
5530     \expandafter\@firstoftwo
5531   \else
5532     \expandafter\@secondoftwo
5533   \fi}
5534
5535 \newcommand*{\bidi@@convert@dimen@t@unit}[2]{%
5536   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
5537
5538 \newcommand*{\bidi@@convert@dimen@t@pt}[1]{%
5539   \dimexpr #1*65536/\dimexpr 1pt\relax}
5540
5541 \newcommand*{\IfPackageVersionAtLeastTF}[1]{%
5542   \expandafter\@if@ver@pkg@least\csname #1@version\endcsname
5543 }
5544 \newcommand*{\@if@ver@pkg@least}[2]{%
5545   \ifnum\expandafter\bidi@parse@ver@#100\@nil<\expandafter\bidi@parse@ver@#200\@nil
5546     \expandafter\@secondoftwo
5547   \else
5548     \expandafter\@firstoftwo
5549   \fi
5550 }
5551 \newcommand*{\bidi@parse@ver@}[1]{\bidi@parse@ver0#1}
5552 \def\bidi@parse@ver#1.#2.#3#4#5\@nil{%
5553   \if\relax#2\relax\else#1\fi#2#3#4
5554 }
5555 \newcommand*{\IfPackageVersionAtMostTF}[1]{%
5556   \expandafter\@if@ver@pkg@most\csname #1@version\endcsname
5557 }
5558 \newcommand*{\@if@ver@pkg@most}[2]{%
5559   \ifnum\expandafter\bidi@parse@ver@#100\@nil>\expandafter\bidi@parse@ver@#200\@nil
5560     \expandafter\@secondoftwo
5561   \else
5562     \expandafter\@firstoftwo
5563   \fi
5564 }
5565 \newcommand*{\IfPackageVersionTF}[1]{%
5566   \expandafter\@if@ver@pkg@\csname #1@version\endcsname
5567 }
5568 \newcommand*{\@if@ver@pkg@}[2]{%
5569   \ifnum\expandafter\bidi@parse@ver@#100\@nil=\expandafter\bidi@parse@ver@#200\@nil

```



```

5570 \expandafter\@firstoftwo
5571 \else
5572 \expandafter\@secondoftwo
5573 \fi
5574 }
5575
5576 \newcommand*{\if@bidi@csdef}[1]{%
5577 \ifcsname#1\endcsname
5578 \expandafter\@firstoftwo
5579 \else
5580 \expandafter\@secondoftwo
5581 \fi}
5582 \newcommand*{\if@bidi@csundef}[1]{%
5583 \ifcsname#1\endcsname
5584 \expandafter\ifx\csname#1\endcsname\relax
5585 \expandafter\expandafter
5586 \expandafter\@firstoftwo
5587 \else
5588 \expandafter\expandafter
5589 \expandafter\@secondoftwo
5590 \fi
5591 \else
5592 \expandafter\@firstoftwo
5593 \fi}
5594 \newcommand{\if@bidi@def}[1]{%
5595 \ifdefined#1%
5596 \expandafter\@firstoftwo
5597 \else
5598 \expandafter\@secondoftwo
5599 \fi}
5600 \newcommand{\if@bidi@undef}[1]{%
5601 \ifdefined#1%
5602 \ifx#1\relax
5603 \expandafter\expandafter
5604 \expandafter\@firstoftwo
5605 \else
5606 \expandafter\expandafter
5607 \expandafter\@secondoftwo
5608 \fi
5609 \else
5610 \expandafter\@firstoftwo
5611 \fi}
5612 \newcommand{\if@bidi@blank}[1]{% from url.sty
5613 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
5614 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
5615 \newcommand{\bidi@notblank}[1]{%
5616 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
5617 \newcommand{\if@bidi@defmacro}{}
5618 \long\edef\if@bidi@defmacro#1{%
5619 \noexpand\expandafter\noexpand\bidi@ifdefmacro
5620 \noexpand\meaning#1\detokenize{macro}:&}
5621 \edef\bidi@ifdefmacro{%
5622 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
5623 \bidi@ifdefmacro{\bidi@notblank{#2}}

```




```

5624 \newcommand*{\if@bidi@csmacro}[1]{%
5625   \if@bidi@csdef{#1}
5626     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
5627     {\@secondoftwo}}
5628 \newcommand{\if@bidi@defprimitive}[1]{%
5629   \ifprimitive#1%
5630     \expandafter\@firstoftwo
5631   \else
5632     \expandafter\@secondoftwo
5633   \fi}
5634 \newcommand{\if@bidi@csprimitive}[1]{%
5635   \begingroup\expandafter\expandafter\expandafter\endgroup%
5636   \expandafter\ifprimitive\csname#1\endcsname%
5637   \expandafter\@firstoftwo
5638   \else
5639     \expandafter\@secondoftwo
5640   \fi}
5641 \newcommand*{\bidi@csdefcs}[2]{%
5642   \expandafter\@ifdefinable \csname#1\endcsname{%
5643     \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
5644   \newcommand*{\bidi@csletcs}[2]{%
5645     \expandafter\@ifdefinable \csname#1\endcsname{%
5646       \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}
5647   \newcommand*{\bidi@cslet}[2]{%
5648     \expandafter\@ifdefinable \csname#1\endcsname{%
5649       \expandafter\let\csname#1\endcsname#2}}
5650 \newcommand{\bidi@namelongdef}[1]{%
5651   \long\expandafter\def\csname #1\endcsname}
5652 \newcommand{\bidi@namelonggdef}[1]{%
5653   \long\expandafter\gdef\csname #1\endcsname}
5654 \newcommand{\bidi@namelongedef}[1]{%
5655   \long\expandafter\edef\csname #1\endcsname}
5656 \newcommand{\bidi@namelongxdef}[1]{%
5657   \long\expandafter\xdef\csname #1\endcsname}
5658 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
5659 \def\bidi@ensure@new@command#1{%
5660   \begingroup \escapechar\m@ne\xdef\@gtempa{\{string#1\}}\endgroup
5661   \expandafter\if@bidi@csundef\@gtempa
5662     {\new@command#1}{\relax%
5663   \let\@ifdefinable\@rc@ifdefinable%
5664   \new@command#1}}
5665 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
5666
5667 \protected\def\bidi@error{\PackageError{bidi}}
5668 \protected\def\bidi@warning{\PackageWarning{bidi}}
5669 \protected\def\bidi@warningnoline{\PackageWarningNoLine{bidi}}
5670 \protected\def\bidi@info{\PackageInfo{bidi}}
5671
5672 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@#2@#3}{#4}}
5673
5674 \newcount\bidi@poscount
5675
5676 \newcommand*{\WriteStartXPostoaux}{%
5677   \global\advance\bidi@poscount\@ne

```



```

5678 \edef\@tempa{%
5679 \write\@auxout{%
5680 \string\bidipos{x}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
5681 }%
5682 }%
5683 \ifvmode
5684 \leavevmode
5685 \fi
5686 \if@RTL
5687 \if@filesw
5688 \@tempa
5689 \fi
5690 \pdfsavepos
5691 \else
5692 \pdfsavepos
5693 \if@filesw
5694 \@tempa
5695 \fi
5696 \fi
5697 \if@bidi@csundef{bidi@xpos@@start@\number\bidiposcount}{%
5698 \PackageWarningNoLine{biditools}{%
5699 The start x position '\number\bidiposcount' is not known yet.
5700 Rerun to get this x position%
5701 }%
5702 }{}%
5703 }
5704
5705 \newcommand*\WriteEndXPostoaux{%
5706 \edef\@tempa{%
5707 \write\@auxout{%
5708 \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
5709 }%
5710 }%
5711 \if@RTL
5712 \if@filesw
5713 \@tempa
5714 \fi
5715 \pdfsavepos
5716 \else
5717 \pdfsavepos
5718 \if@filesw
5719 \@tempa
5720 \fi
5721 \fi
5722 \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
5723 \PackageWarningNoLine{biditools}{%
5724 The end x position '\number\bidiposcount' is not known yet.
5725 Rerun to get this x position%
5726 }%
5727 }{}%
5728 }
5729
5730 \newcommand*\WriteStartYPostoaux{%
5731 \global\advance\bidiposcount\@ne

```



```

5732 \edef\@tempa{%
5733 \write\@auxout{%
5734 \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
5735 }%
5736 }%
5737 \ifvmode
5738 \leavevmode
5739 \fi
5740 \if@RTL
5741 \if@filesw
5742 \@tempa
5743 \fi
5744 \pdfsavepos
5745 \else
5746 \pdfsavepos
5747 \if@filesw
5748 \@tempa
5749 \fi
5750 \fi
5751 \if@bidi@csundef{bidi@ypos@@start@\number\bidiposcount}{%
5752 \PackageWarningNoLine{biditools}{%
5753 The start y position `\'number\bidiposcount' is not known yet.
5754 Rerun to get this y position%
5755 }%
5756 }{}%
5757 }
5758
5759 \newcommand*\WriteEndYPostoaux{%
5760 \edef\@tempa{%
5761 \write\@auxout{%
5762 \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
5763 }%
5764 }%
5765 \if@RTL
5766 \if@filesw
5767 \@tempa
5768 \fi
5769 \pdfsavepos
5770 \else
5771 \pdfsavepos
5772 \if@filesw
5773 \@tempa
5774 \fi
5775 \fi
5776 \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{%
5777 \PackageWarningNoLine{biditools}{%
5778 The end y position `\'number\bidiposcount' is not known yet.
5779 Rerun to get this y position%
5780 }%
5781 }{}%
5782 }
5783
5784 \newcommand*\WriteStartXYPostoaux{%
5785 \global\advance\bidiposcount\@ne

```



```

5786 \edef\@tempa{%
5787 \write\@auxout{%
5788 \string\bidipos{x}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
5789 }%
5790 \write\@auxout{%
5791 \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
5792 }%
5793 }%
5794 \ifvmode
5795 \leavevmode
5796 \fi
5797 \if@RTL
5798 \if@filesw
5799 \@tempa
5800 \fi
5801 \pdfsavepos
5802 \else
5803 \pdfsavepos
5804 \if@filesw
5805 \@tempa
5806 \fi
5807 \fi
5808 \if@bidi@csundef{bidi@xpos@@start@\number\bidiposcount}{%
5809 \PackageWarningNoLine{biditytools}{%
5810 The start x position ``\number\bidiposcount' is not known yet.
5811 Rerun to get this x position%
5812 }%
5813 }{}%
5814 \if@bidi@csundef{bidi@ypos@@start@\number\bidiposcount}{%
5815 \PackageWarningNoLine{biditytools}{%
5816 The start y position ``\number\bidiposcount' is not known yet.
5817 Rerun to get this y position%
5818 }%
5819 }{}%
5820 }
5821
5822 \newcommand*\WriteEndXYPostoaux{%
5823 \edef\@tempa{%
5824 \write\@auxout{%
5825 \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
5826 }%
5827 \write\@auxout{%
5828 \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
5829 }%
5830 }%
5831 \if@RTL
5832 \if@filesw
5833 \@tempa
5834 \fi
5835 \pdfsavepos
5836 \else
5837 \pdfsavepos
5838 \if@filesw
5839 \@tempa

```



```

5840 \fi
5841 \fi
5842 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
5843     \PackageWarningNoLine{biditools}{%
5844         The end x position ` \number\bidi@poscount' is not known yet.
5845         Rerun to get this x position%
5846     }%
5847 }{}%
5848 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
5849     \PackageWarningNoLine{biditools}{%
5850         The end y position ` \number\bidi@poscount' is not known yet.
5851         Rerun to get this y position%
5852     }%
5853 }{}%
5854 }
5855
5856 \newcommand*{\currentposxwidth}{%
5857     \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{\z@}
5858     {%
5859         \ifnum\csname bidi@xpos@@start@\number\bidi@poscount
5860             \endcsname < \csname bidi@xpos@@end@\number\bidi@poscount
5861             \endcsname
5862             \dimexpr \csname bidi@xpos@@end@\number\bidi@poscount
5863             \endcsname sp - \csname bidi@xpos@@start@\number\bidi@poscount
5864             \endcsname sp\relax
5865         \else
5866             \dimexpr \csname bidi@xpos@@start@\number\bidi@poscount
5867             \endcsname sp - \csname bidi@xpos@@end@\number\bidi@poscount
5868             \endcsname sp\relax
5869         \fi
5870     }%
5871 }
5872
5873 \newcommand*{\currentposyheight}{%
5874     \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
5875     {%
5876         \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
5877             \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
5878             \endcsname sp\relax
5879     }%
5880 }
5881
5882
5883
5884 \newcommand*{\setbaselineskip}[1]{%
5885     \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
5886     \selectfont
5887 }
5888
5889
5890 \newcommand*{\bidi@newrobustcmd}{}
5891 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
5892
5893 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}

```



```

5894
5895 \def\bidi@newcommand#1[#2]{%
5896   \@ifnextchar[%
5897     {\bidi@xargdef#1[#2]}
5898     {\ifx\l@ngrel@x\relax
5899       \let\l@ngrel@x\protected
5900       \else
5901         \protected\def\l@ngrel@x{\protected\long}%
5902       \fi
5903       \@argdef#1[#2]}}
5904
5905 \long\def\bidi@xargdef#1[#2][#3]#4{%
5906   \@ifdefinable#1{%
5907     \expandafter\protected
5908     \expandafter\def
5909     \expandafter#1%
5910     \expandafter{%
5911       \expandafter\@testopt
5912       \csname\string#1\endcsname{#3}}%
5913     \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
5914
5915 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
5916
5917 \def\bidi@renew@command#1{%
5918   \if@bidi@undef{#1}
5919     {\bidi@error{\string#1 undefined}\@ehc}
5920     {}%
5921   \let\@ifdefinable\@rc@ifdefinable
5922   \bidi@new@command#1}
5923
5924
5925
5926 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
5927
5928 \def\bidi@provide@command#1{%
5929   \if@bidi@undef{#1}
5930     {\def\reserved@a{\bidi@new@command#1}}
5931     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
5932   \reserved@a}
5933
5934 \newcommand*{\bidi@csuse}[1]{%
5935   \ifcsname#1\endcsname
5936     \csname#1\expandafter\endcsname
5937   \fi}
5938
5939 \newcommand{\bidi@expandonce}[1]{%
5940   \unexpanded\expandafter{#1}}
5941
5942 \def\bidi@protected{%
5943   \let\@@protect\protect
5944   \let\protect\@unexpandable@protect
5945   \afterassignment\restore@protect}
5946
5947 \bidi@newrobustcmd{\bidi@appto}[2]{%

```



```

5948 \if@bidi@undef{#1}
5949   {\edef#1{\unexpanded{#2}}}
5950   {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5951 \bidi@newrobustcmd{\bidi@eappto}[2]{%
5952   \if@bidi@undef{#1}
5953     {\edef#1{#2}}
5954     {\edef#1{\bidi@expandonce#1#2}}}
5955 \bidi@newrobustcmd{\bidi@gappto}[2]{%
5956   \if@bidi@undef{#1}
5957     {\xdef#1{\unexpanded{#2}}}
5958     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5959 \bidi@newrobustcmd{\bidi@xappto}[2]{%
5960   \if@bidi@undef{#1}
5961     {\xdef#1{#2}}
5962     {\xdef#1{\bidi@expandonce#1#2}}}
5963
5964 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
5965 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
5966
5967
5968
5969 \bidi@newrobustcmd{\bidi@preto}[2]{%
5970   \if@bidi@undef{#1}
5971     {\edef#1{\unexpanded{#2}}}
5972     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5973 \bidi@newrobustcmd{\bidi@epreto}[2]{%
5974   \if@bidi@undef{#1}
5975     {\edef#1{#2}}
5976     {\edef#1{#2\bidi@expandonce#1}}}
5977 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
5978   \if@bidi@undef{#1}
5979     {\xdef#1{\unexpanded{#2}}}
5980     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5981 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
5982   \if@bidi@undef{#1}
5983     {\xdef#1{#2}}
5984     {\xdef#1{#2\bidi@expandonce#1}}}
5985
5986 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
5987 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
5988
5989
5990
5991 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
5992 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
5993 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
5994 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
5995 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
5996 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
5997
5998
5999
6000 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
6001 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}

```



```

6002 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
6003 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
6004 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
6005 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
6006
6007
6008
6009 \bidi@newrobustcmd{\if@bidi@patchable}{%
6010   \bidi@dbg@trce\if@bidi@patchable
6011   \begingroup
6012   \@makeother\%
6013   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
6014
6015 \long\def\bidi@ifpatchable#1#2{%
6016   \endgroup
6017   \bidi@dbg@init#1%
6018   \if@bidi@undef{#1}
6019     {\bidi@dbg@fail{def}\@secondoftwo}
6020     {\bidi@dbg@info{def}%
6021       \if@bidi@defmacro{#1}
6022         {\bidi@dbg@info{mac}%
6023           \bidi@ifscanable{#1}
6024             {\bidi@ifhashcheck{#2}
6025               {\bidi@dbg@info{tok}%
6026                 \bidi@ifpattern#1{#2}
6027                   {\bidi@dbg@info{pat}%
6028                     \bidi@dbg@info{pos}\@firstoftwo}
6029                     {\bidi@dbg@fail{pat}\@secondoftwo}}
6030                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
6031                   {\bidi@dbg@fail{tok}\@secondoftwo}}
6032                   {\bidi@dbg@fail{mac}\@secondoftwo}}}
6033
6034 \long\def\bidi@ifpatchable@i#1{%
6035   \endgroup
6036   \bidi@dbg@init#1%
6037   \if@bidi@undef{#1}
6038     {\bidi@dbg@fail{def}\@secondoftwo}
6039     {\bidi@dbg@info{def}%
6040       \if@bidi@defmacro{#1}
6041         {\bidi@dbg@info{mac}%
6042           \if@bidi@defparam{#1}
6043             {\bidi@dbg@info{prm}%
6044               \bidi@ifscanable{#1}
6045                 {\bidi@dbg@info{tok}%
6046                   \bidi@dbg@info{pos}\@firstoftwo}
6047                   {\bidi@dbg@fail{tok}\@secondoftwo}}
6048                 {\bidi@dbg@info{prl}%
6049                   \if@bidi@defprotected{#1}
6050                     {\bidi@dbg@info{pro}}
6051                     {}%
6052                   \bidi@dbg@info{pos}\@firstoftwo}}
6053                 {\bidi@dbg@fail{mac}\@secondoftwo}}}
6054
6055 \bidi@newrobustcmd*{\bidi@patchcmd}{%

```




```

6056 \bidi@dbg@trce\bidi@patchcmd
6057 \begingroup
6058 \@makeother\%
6059 \bidi@@patchcmd}
6060
6061 \newcommand{\bidi@@patchcmd}[4][#####1]{%
6062 \bidi@ifpatchable#2{#3}
6063 {\bidi@dbg@succ{ret}}%
6064 \begingroup
6065 \edef\bidi@resrvda{%
6066 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
6067 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
6068 \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
6069 ####1\detokenize{#4}####2}%
6070 \edef\noexpand\bidi@resrvda{%
6071 \noexpand\bidi@resrvda\meaning#2&}}%
6072 \bidi@resrvda
6073 \bidi@patchcmd@scantoks\bidi@resrvda
6074 \let#2\bidi@resrvda
6075 \bidi@undef\bidi@resrvda
6076 \@firstoftwo}
6077 {\@secondoftwo}}
6078
6079 \def\bidi@patchcmd@scantoks#1{%
6080 \edef\bidi@resrvda{\endgroup
6081 \unexpanded{\makeatletter\scantokens}{#1}%
6082 \catcode\number`\@=\the\catcode`\@ \relax}%
6083 \bidi@resrvda}
6084
6085 \protected\def\bidi@ifscanable#1{%
6086 \begingroup
6087 \edef\bidi@resrvda{%
6088 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
6089 ####1\def\string\bidi@resrvda####2{####3}}%
6090 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
6091 \bidi@resrvda
6092 \makeatletter
6093 \scantokens\expandafter{\bidi@resrvda}%
6094 \expandafter\endgroup\ifx#1\bidi@resrvda
6095 \expandafter\@firstoftwo
6096 \else
6097 \expandafter\@secondoftwo
6098 \fi}
6099
6100
6101 \protected\long\def\bidi@ifhashcheck#1{%
6102 \begingroup
6103 \edef\bidi@resrvda{\detokenize{#1}}%
6104 \expandafter\endgroup
6105 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
6106
6107 \edef\bidi@ifhashcheck@i#1&{%
6108 \noexpand\expandafter
6109 \noexpand\bidi@ifhashcheck@ii

```



```

6110 \noexpand\strip@prefix#1\string#\string#&}
6111
6112 \edef\bidi@ifhashcheck@ii{%
6113 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
6114 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
6115
6116
6117 \protected\long\def\bidi@ifpattern#1#2{%
6118 \begingroup
6119 \edef\bidi@resrvda{%
6120 \def\noexpand\bidi@resrvda####1\detokenize{#2}###2&{%
6121 \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{###2}}}%
6122 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
6123 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
6124 \noexpand\bidi@resrvda}
6125 \bidi@resrvda\@secondoftwo\@firstoftwo}
6126
6127
6128 \newcommand{\if@bidi@defparam}{%
6129 \long\edef\if@bidi@defparam#1{%
6130 \noexpand\expandafter\noexpand\bidi@ifdefparam
6131 \noexpand\meaning#1\detokenize{macro}:->&}
6132 \edef\bidi@ifdefparam{%
6133 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
6134 \bidi@ifdefparam{\bidi@notblank{#2}}
6135
6136
6137 \newcommand{\if@bidi@defprotected}{%
6138 \long\edef\if@bidi@defprotected#1{%
6139 \noexpand\expandafter\noexpand\bidi@ifdefprotected
6140 \noexpand\meaning#1\string\protected&}
6141 \edef\bidi@ifdefprotected{%
6142 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
6143 \bidi@ifdefprotected{\bidi@notblank{#2}}
6144
6145
6146 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
6147 \bidi@newrobustcmd{\bidi@csundef}[1]{%
6148 \expandafter\let\csname #1\endcsname\bidi@undefined
6149 }
6150
6151 \let\bidi@dbg@trce\@gobble
6152 \let\bidi@dbg@init\@gobble
6153 \let\bidi@dbg@info\@gobble
6154 \let\bidi@dbg@succ\@gobble
6155 \let\bidi@dbg@fail\@gobble
6156
6157
6158
6159 \bidi@newrobustcmd*{\bidi@apptocmd}{%
6160 \bidi@dbg@trce\bidi@apptocmd
6161 \begingroup
6162 \@makeother\#%
6163 \bidi@hooktocmd\bidi@append}

```



```

6164
6165
6166
6167 \bidi@newrobustcmd*{\bidi@pretocmd}{%
6168   \bidi@dbg@trce\bidi@pretocmd
6169   \begingroup
6170   \@makeother\#%
6171   \bidi@hooktocmd\bidi@prepend}
6172
6173 \long\def\bidi@hooktocmd#1#2#3{%
6174   \endgroup
6175   \bidi@dbg@init#2%
6176   \if@bidi@undef{#2}
6177     {\bidi@dbg@fail{def}\@secondoftwo}
6178     {\bidi@dbg@info{def}%
6179       \if@bidi@defmacro{#2}
6180         {\bidi@dbg@info{mac}%
6181           \if@bidi@defparam{#2}
6182             {\bidi@dbg@info{prm}%
6183               \bidi@ifscanable{#2}
6184                 {\bidi@ifhashcheck{#3}
6185                   {\bidi@dbg@info{tok}%
6186                     \bidi@dbg@succ{ret}%
6187                     \bidi@hooktocmd@i#1#2{#3}%
6188                     \@firstoftwo}
6189                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
6190                 {\bidi@dbg@fail{tok}\@secondoftwo}}
6191             {\bidi@dbg@info{prl}%
6192               \if@bidi@defprotected{#2}
6193                 {\bidi@dbg@info{pro}%
6194                   \bidi@dbg@succ{red}%
6195                   \protected}
6196                 {\bidi@dbg@succ{red}}}%
6197             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
6198             \@firstoftwo}}
6199     {\bidi@dbg@fail{mac}\@secondoftwo}}
6200
6201 \long\def\bidi@hooktocmd@i#1#2#3{%
6202   \begingroup
6203   \edef\bidi@resrvda{%
6204     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
6205       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
6206     \edef\noexpand\bidi@resrvda{%
6207       \noexpand\bidi@resrvda\meaning#2&}}%
6208   \bidi@resrvda
6209   \bidi@patchcmd@scantoks\bidi@resrvda
6210   \let#2\bidi@resrvda
6211   \bidi@undef\bidi@resrvda}
6212
6213 \long\def\bidi@append#1#2{#1#2}
6214 \long\def\bidi@prepend#1#2{#2#1}
6215
6216 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
6217 %\newcommand*{\bidi@endpreamblehook}{

```



```

6218
6219 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}}%
6220
6221 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout
6222 \newcommand*{\bidi@beforeoutputpageshipouthook}{}}
6223
6224 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
6225 \newcommand*{\bidi@beforeheaderhook}{}}
6226
6227 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutput
6228 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}}
6229
6230 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpa
6231 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}}
6232
6233 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
6234 \newcommand*{\bidi@beforefooterhook}{}}
6235
6236 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
6237 \newcommand*{\bidi@afterfooterhook}{}}
6238
6239
6240 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipoutho
6241 \newcommand*{\bidi@afteroutputpageshipouthook}{}}
6242
6243 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
6244 \newcommand*{\bidi@atendoutputpagehook}{}}
6245
6246 %\bidi@preto\document{%
6247 % \endgroup
6248 % \let\bidi@AtEndPreamble\@firstofone
6249 % \bidi@endpreamblehook
6250 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
6251 % \bidi@undef\bidi@endpreamblehook
6252 % \beginingroup}
6253
6254 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
6255 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
6256
6257 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
6258 %\newcommand*{\bidi@afterendpreamblehook}{}}
6259
6260 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}}%
6261
6262 %\bidi@appto\document{%
6263 % \let\bidi@AfterEndPreamble\@firstofone
6264 % \bidi@afterendpreamblehook
6265 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
6266 % \bidi@undef\bidi@afterendpreamblehook
6267 % \ignorespaces}
6268
6269 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocume
6270 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{}}
6271

```



```

6272 \bidi@patchcmd\enddocument
6273   {\fi}
6274   {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
6275     \bidi@afterenddocumentchecklabelssrerunhook
6276     \fi}
6277   {}
6278   {\PackageWarning{biditools}{Patching '\string\enddocument' failed}}
6279
6280 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
6281
6282 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
6283 \newcommand*{\bidi@afterlastshipouthook}{}
6284
6285 \bidi@patchcmd\enddocument
6286   {\clearpage}
6287   {\clearpage
6288     \let\bidi@AfterLastShipout\@firstofone
6289     \bidi@afterlastshipouthook}
6290   {}
6291   {\let\bidi@clearpage\clearpage
6292     \def\clearpage{%
6293       \bidi@clearpage
6294       \let\bidi@AfterLastShipout\@firstofone
6295       \bidi@afterlastshipouthook}}
6296
6297 %\bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
6298 %\newcommand*{\bidi@afterenddocumenthook}{}
6299
6300 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}%
6301
6302 %\bidi@patchcmd\enddocument
6303 % {\deadcycles}
6304 % {\let\bidi@AfterEndDocument\@firstofone
6305 %   \bidi@afterenddocumenthook
6306 %   \deadcycles}
6307 % {}
6308 % {\let\bidi@@end\@end
6309 %   \def\@end{%
6310 %     \let\bidi@AfterEndDocument\@firstofone
6311 %     \bidi@afterenddocumenthook
6312 %     \bidi@@end}}
6313
6314 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
6315   \bidi@csgappto{\bidi@begin@#1@hook}}
6316
6317 % Patch \begin<space> and \end<space> in newer LaTeX releases
6318 % \begin and \end in older ones.
6319 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6320   {\csname #1\endcsname}
6321   {\bidi@csuse{\bidi@begin@#1@hook}%
6322     \csname #1\endcsname}
6323   {}
6324   {\bidi@warning{%
6325     Patching '\string\begin' failed!\MessageBreak

```



```

6326     '\string\bid@AtBeginEnvironment' will not work\@gobble}}
6327
6328
6329
6330 \bid@newrobustcmd{\bid@AtEndEnvironment}[1]{%
6331   \bid@csgappto{@bid@end@#1@hook}}
6332
6333 \expandafter\bid@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6334   {\csname end#1\endcsname}
6335   {\bid@csuse{@bid@end@#1@hook}%
6336     \csname end#1\endcsname}
6337   {}
6338   {\bid@warning{%
6339     Patching '\string\end' failed!\MessageBreak
6340     '\string\bid@AtEndEnvironment' will not work\@gobble}}
6341
6342
6343
6344 \bid@newrobustcmd{\bid@BeforeBeginEnvironment}[1]{%
6345   \bid@csgappto{@bid@beforebegin@#1@hook}}
6346
6347 \expandafter\bid@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6348   {\bid@csuse{@bid@beforebegin@#1@hook}}
6349   {}
6350   {\bid@warning{%
6351     Patching '\string\begin' failed!\MessageBreak
6352     '\string\bid@BeforeBeginEnvironment' will not work\@gobble}}
6353
6354 \bid@newrobustcmd{\bid@AfterEndEnvironment}[1]{%
6355   \bid@csgappto{@bid@afterend@#1@hook}}
6356
6357 \expandafter\bid@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6358   {\if@ignore}
6359   {\bid@csuse{@bid@afterend@#1@hook}%
6360     \if@ignore}
6361   {}
6362   {\bid@warning{%
6363     Patching '\string\end' failed!\MessageBreak
6364     '\string\bid@AfterEndEnvironment' will not work\@gobble}}
6365
6366 \def\bid@namedef#1{\expandafter\def\csname #1\endcsname}
6367 \def\bid@namegdef#1{\expandafter\gdef\csname #1\endcsname}
6368 \def\bid@nameedef#1{\expandafter\edef\csname #1\endcsname}
6369 \def\bid@namexdef#1{\expandafter\xdef\csname #1\endcsname}
6370
6371 % From David Carlisle:
6372 % The \@stpelt redefinition below belongs to Heiko Oberdiek
6373 % See also https://github.com/ho-tex/oberdiek/issues/26
6374
6375 \let\@bid@stepcounter\stepcounter
6376 \let\@bid@\stpelt\@stpelt
6377
6378 \def\@stpelt#1{%
6379   \ifcsname bid@reset@#1@perpage\endcsname

```



```

6380 \begingroup
6381 \let\stepcounter\@bidi@stepcounter
6382 \@bidi@@stpelt{#1}%
6383 \endgroup
6384 \expandafter\@gobbletwo
6385 \fi
6386 \@bidi@@stpelt{#1}%
6387 }
6388
6389 \bidi@pretocmd\stepcounter
6390 {%
6391 \if@bidi@csundef{bidi@stepcounterhook@@#1}{%
6392 \csname bidi@stepcounterhook@@#1\endcsname
6393 }%
6394 }-}%
6395 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
6396
6397 \chardef\bidi@backslash`\\
6398 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
6399
6400 % anonymous control sequences
6401 \newcount\bidi@tempcountb
6402 \newtoks\bidi@temptoksa
6403 \newtoks\bidi@temptoksb
6404
6405 % Catcode (re)storing
6406 %
6407 \def\bidi@storecatcode#1%
6408 {\escapechar\m@ne
6409 \bidi@csarg\edef{bidi@restorecatcode\string#1}%
6410 {\catcode`\string#1=
6411 \the\catcode\expandafter`\string#1}%
6412 \catcode\expandafter`\string#1=12\relax
6413 \escapechar`\\ \relax}
6414 \def\bidi@restorecatcode#1%
6415 {\escapechar\m@ne
6416 \csname bidi@restorecatcode\string#1\endcsname
6417 \escapechar`\\ \relax}
6418
6419 % Construct a control sequence inside \edef
6420 %
6421 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
6422
6423 % Construct a control sequence out of #2, and give it to #1
6424 %
6425 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
6426
6427 % Pick an escapecharacter
6428 % this presumes that its argument is a character.
6429 %
6430 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
6431
6432 % Equality of strings.
6433 % the fast approach: does not work in expansion-only environment.

```



```

6434 %
6435 \def\bid@EqualString#1#2{00\fi\def\bid@eqs@a{#1}\def\bid@eqs@b{#2}%
6436     \ifx\bid@eqs@a\bid@eqs@b}
6437
6438 % Test by expansion only
6439 %
6440 \def\bid@EqualStringX#1#2{00\fi
6441     \csname if\@bid@EqualStringX#1&#2&\endcsname}
6442 \def\@bid@EqualStringX#1#2$#3#4${\ifx#1#3%
6443     \ifx#1&true\else\bid@hop@ES\@bid@EqualStringX#2$#4$\fi
6444     \else false\fi}
6445 \def\bid@hop@ES#1\fi#2\fi{\fi\fi#1}
6446
6447 % Lexicographic ordering
6448 % note the use of \def
6449 % also note the characters 0,127,255 that are used,
6450 % these are not supposed to appear in the strings
6451 %
6452 {\catcode0=12 \catcode255=12 \catcode127=12
6453 \gdef\bid@StringBeforeNC#1#2{00\fi
6454     \bid@CharsBefore#1^^@^^?#2^^ff^^?}%
6455 \gdef\bid@CharsBeforeNC#1#2^^?#3#4^^?{%
6456     \ifcat#1\relax\def\bid@next{\bid@CharsBefore#2^^@^^?#3#4^^ff^^?}%
6457     \else\ifcat#3\relax\def\bid@next{\bid@CharsBefore#1#2^^@^^?#4^^ff^^?}%
6458     \else\ifnum\lccode`#1<\lccode`#3
6459         \def\bid@next{\csname iftrue\endcsname}%
6460     \else\ifnum\lccode`#1>\lccode`#3
6461         \def\bid@next{\csname iffalse\endcsname}%
6462     \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
6463     \fi \fi \fi \fi
6464     \bid@next}
6465 \gdef\bid@StringBefore#1#2{00\fi
6466     \bid@CharsBefore#1^^@^^?#2^^ff^^?}%
6467 \gdef\bid@CharsBefore#1#2^^?#3#4^^?{%
6468     \ifnum`#1<`#3
6469         \def\bid@next{\csname iftrue\endcsname}%
6470     \else\ifnum`#1>`#3
6471         \def\bid@next{\csname iffalse\endcsname}%
6472     \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
6473     \fi\fi
6474     \bid@next}
6475 }
6476
6477 % Null argument test
6478 %
6479 \def\bid@empty{}
6480 \def\bid@ifempty#1{00\fi\expandafter\ifx\csname bid@#1@null\endcsname\bid@@null}
6481 \def\bid@ifEmptyX#1{\expandafter\ifx\csname bid@#1@null\endcsname\bid@@null}
6482 %\def\bid@ifEmpty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bid@empty}
6483 \def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bid@empty}
6484
6485 % Next character test
6486 %
6487 \def\bid@NextChar#1#2#3{00\fi

```




```

6488 \let\bidixnt@ch#1\def\bidixnt@a{#2}\def\bidixnt@b{#3}%
6489 \futurelet\bidixnt@c\@bidixntc}
6490 \def\bidixnt@ifNextChar#1#2#3{%
6491 \let\bidixnt@ch#1\def\bidixnt@a{#2}\def\bidixnt@b{#3}%
6492 \futurelet\bidixnt@c\@bidixntc}
6493 \def\@bidixntc{\ifx\bidixnt@ch\bidixnt@c \expandafter\bidixnt@a
6494 \else \expandafter\bidixnt@b \fi}
6495
6496 % Test for defined-ness of string as control sequence.
6497 % works inside \edef
6498 %
6499 \def\bidixnt@undefinedcs#1{00\fi\bidixnt@csarg\ifx{#1}\relax}
6500
6501 % Define uniquely defined dummy macros,
6502 % usually to serve as bumper blocks at the end of a list
6503 %
6504 \newcount\bidixnt@dummies
6505 \def\DefNewDummy#1{
6506 \if\bidixnt@undefinedcs{#1}\bidixnt@csarg\edef{#1}{\bidixnt@dum\the\bidixnt@dummies}
6507 \advance\bidixnt@dummies\@ne
6508 \else
6509 \bidixnt@error{Attempt at second definition of `#1'}
6510 \fi}
6511
6512 % string case statement
6513 % use: \bidixnt@switch \iftest{...} in:
6514 % item1 action1
6515 % ...
6516 % itemn actionn
6517 % default defaultaction [optional]
6518 % \endbidixnt@switch
6519 % inspired by Jonathan Fine: Some Basic Control Macros
6520 % Tugboat 12 #4
6521 %
6522 \let\@bidixnt\fi \let\endbidixnt@switch\relax \DefNewDummy{\bidixnt@default}
6523 \def\bidixnt@switch@exit #1 \@bidixnt\fi #2 \endbidixnt@switch {\fi #1}
6524 \def\bidixnt@switch #1#2#3{\bidixnt@csarg\ifx{#2}\bidixnt@default\bidixnt@switch@exit #3 \@bidixnt\fi
6525 #1{#2}\bidixnt@switch@exit #3 \@bidixnt\fi
6526 \bidixnt@switch {#1}
6527 }
6528 % this version puts the test object in {}
6529 \def\bidixnt@oswitch #1 in: #2 #3; {\bidixnt@csarg\ifx{#2}\bidixnt@default\bidixnt@switch@exit #3 \@bidixnt\fi
6530 #1{#2}\bidixnt@switch@exit #3 \@bidixnt\fi
6531 \bidixnt@switch #1 in:
6532 }
6533 % this version assumes that the test object is just one character
6534 \def\bidixnt@cswitch #1 in: #2 #3; {\bidixnt@csarg\ifx{#2}\bidixnt@default\bidixnt@switch@exit #3 \@bidixnt\fi
6535 #1#2\bidixnt@switch@exit #3 \@bidixnt\fi
6536 \bidixnt@cswitch #1 in:
6537 }
6538 % this version assumes that the test object can have an optional space
6539 \def\bidixnt@bswitch #1 in: #2 #3; {\bidixnt@csarg\ifx{#2}\bidixnt@default\bidixnt@switch@exit #3 \@bidixnt\fi
6540 #1#2 \bidixnt@switch@exit #3 \@bidixnt\fi
6541 \bidixnt@bswitch #1 in:

```



```

6542 }
6543 % this version can cope with significant spaces at the start of #3;
6544 % #2 is macro argument
6545 \def\bidimswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi
6546 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6547 \bidimswitch #1 in:
6548 }
6549 % idem; #2 does not have to be enclosed in braces
6550 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi
6551 #1#2 \bidi@switch@exit #3 \@bidi@fi
6552 \bidi@fswitch #1 in:
6553 }
6554
6555 % Routines for taking the value of a string:
6556 % if the string is defined as control sequence
6557 % take the value of that, otherwise take the string itself
6558
6559 % String or value of control sequence
6560 %
6561 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
6562
6563 % String or control sequence
6564 %
6565 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
6566
6567 % String or \noexpand-ed control sequence;
6568 % for use in \edef
6569 %
6570 \newif\ifbidi@in@label
6571 \def\@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
6572 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6573 \newtoks\bidi@are@these@correct
6574 \def\bidi@t@w@w#1{%
6575 \if\bidi@undefinedcs{#1}#1%
6576 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 }\fi
6577 \else
6578 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6579
6580 % List Manipulation .....
6581 % this assumes that #1 is a list of tokens, #2 is the name of a list
6582 %
6583 % Names of lists (and of items to pop into) are given as strings;
6584 % not as control sequences.
6585 %
6586 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
6587 % basic append/prepend macro
6588 \long\def\@bidi@append@to@clist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6589 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@lista}
6590 \long\def\@bidi@prepend@to@clist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6591 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista}
6592 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@clist}
6593 \def\@bidi@prepend@to@list{\bidi@csarg\@bidi@prepend@to@clist}
6594 % variations:
6595 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}

```



```

6596 \long\def\bidiprep@to@list#1#2{\@bidiprep@to@list{#1}{#2}}
6597 \def\bidiprep@to@list#1#2{%
6598   \@bidiprep@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}%
6599 \def\bidiprep@to@list#1#2{%
6600   \@bidiprep@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}%
6601 \def\bidiprep@to@list#1#2{%
6602   \@bidiprep@to@list{#1}{\expandafter\the#2}}
6603 \def\bidiprep@to@list#1#2{%
6604   \@bidiprep@to@list{#1}{\expandafter\the#2}}
6605 \def\bidiprep@to@list#1#2{\@bidiprep@to@list{#1}{\expandafter\the#2}}
6606 \def\bidiprep@to@list#1#2{\@bidiprep@to@list{#1}{\expandafter\the#2}}
6607
6608 \let\bidiprep@to@list#1#2\unskip
6609
6610 % A few list macros for the user
6611 \def\NewTokenList:#1 {\@bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6612 \def\EmptyTokenList:#1 {\@bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6613 \long\def\AppendToTokenList:#1#2 {\@bidiprep@to@list{#1}{#2}}
6614 \long\def\PrependToTokenList:#1#2 {\@bidiprep@to@list{#1}{#2}}
6615 \def\TheTokenList:#1 {\let\bidiprep@to@list#1#2\unskip \let\bidiprep@to@list#1#2\empty
6616   \if\bidiprep@to@list#1#2\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6617   \else\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6618   \let\bidiprep@to@list#1#2\unskip\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6619
6620 \def\bidiprep@to@list#1#2{\begingroup
6621   \long\def\bidiprep@to@list#1#2{\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6622   {\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6623   \edef\bidiprep@to@list#1#2{\global\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6624   {\the\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6625   \bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6626   \edef\bidiprep@to@list{#1}{\global\csname#1\endcsname}\expandafter\the\csname#1\endcsname\expandafter
6627   \bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6628 \def\bidiprep@to@list#1#2{\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6629 \bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6630 \long\def\bidiprep@to@list#1#2{\begingroup\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6631 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6632 \endgroup}
6633 \long\def\bidiprep@to@list#1#2{\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6634 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
6635 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
6636 \expandafter\the\csname#1\endcsname}%
6637 }
6638 \def\bidiprep@to@list#1#2{\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6639 \bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6640 \long\def\bidiprep@to@list#1#2{\begingroup\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6641 \global#1=\expandafter\the\bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6642
6643 %%%%%%%%%%%%%%% Stack macros
6644 %
6645 % push in terms of prepending of lists
6646 \def\bidiprep@to@list#1#2{\@bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6647 \def\bidiprep@to@list#1#2{\@bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6648 \def\bidiprep@to@list#1#2{\@bidiprep@to@list{#1}{\global\csname#1\endcsname}}
6649 \def\bidiprep@to@list#1#2{\let\bidiprep@to@list#1#2\relax

```



```

6650 \bidi@local@in@front@of@list{#1}{\{\{#2\}\}}
6651 % pop via auxiliary macro: #1 is result, #2 is stack
6652 % two cs arguments
6653 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
6654 {\noexpand\@@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@@bidi@pop}\bidi@cs@e}
6655 % two string arguments
6656 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
6657 {\noexpand\@@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@@b
6658 \long\def\@@bidi@popinto#1#2\#3#4\@@bidi@pop{#1{#3}#2{#4}}
6659 \def\bidi@copy@stacktop#1#2{%
6660 \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
6661 {#1}\bidi@csarg\the{#2}\noexpand\@@bidi@pop}%
6662 \bidi@cs@e}
6663 \def\bidi@copy@stacktop#1\#2#3\@@bidi@pop{\csname#1\endcsname#2\relax}
6664 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
6665 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
6666 \def\bidi@length@of@csstack#1{\def\##1{\advance\bidi@stack@length\@ne}%
6667 \bidi@stack@length\@ne \the#1}
6668 % turn a stack upside down
6669 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
6670 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
6671 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6672 \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\@ne
6673 \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
6674 % \bidi@append@clist@to@clist\bidi@temptoksb\bidi@temptoksa% append a to b
6675 % \bidi@temptoksa\bidi@temptoksb
6676 \repeat% copy b to a
6677 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6678 % invert a stack into a list
6679 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
6680 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
6681 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6682 \bidi@pop@into\bidi@temptoksb{#1}\advance\bidi@stack@length\@ne
6683 \bidi@append@list@to@list\bidi@temptoksb{\bidi@temptoksa}\repeat
6684 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6685
6686
6687 % General loop macro:
6688 % \looprepeat
6689 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
6690 % \untilcondition{<cond>} \whilecondition{<cond>}
6691 % \doloopbody { <loop body> }
6692 % where all control sequences in between \looprepeat and \doloopbody are optional.
6693 %
6694 % var: characters to form a control sequence;
6695 % after \forvariable{index} you can access the loop counter as \index.
6696 % This is a count register; to print it use \number\index.
6697 % start,step,end: integers with obvious relations to the loop counter;
6698 % start and step have a default value of 1
6699 % cond: (sequence of commands ending in) any TeX \if... test.
6700 %
6701 % Count down instead of up with \downtovalue; the increment given in \bystep
6702 % is always positive, and is added or subtracted accordingly.
6703 %

```



```

6704 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
6705 % at the beginning of the loop body.
6706 %
6707 % Exit from middle of loop: \breaklooprepeat
6708 % use this at any place in the loop; in case of a conditional use
6709 % \ifsomething ... \expandafter \breaklooprepeat \fi
6710 %
6711 % Note that the line ends do not cause spaces in the output.
6712 %
6713 % Technical details:
6714 % The loop body is not executed in a group: the braces are those
6715 % of a token list.
6716 % The 'forvariable' variable is \let to a \count register.
6717
6718
6719
6720 % Auxiliary stuff
6721 \def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
6722 \def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
6723 \def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth\endcsname}
6724
6725 \newcount\bidilooprepeat@depth
6726 \let\endlooprepeat\relax \def\bidicsprotect{}
6727 % Trace switches may later be defined by PAC_utils
6728 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
6729
6730 % Main repeatloop macro
6731 % - go to next level and allocate unique counter/toks if this is the
6732 % first time we visit this level
6733 % - setup: gather bounds and termination conditions
6734 % - scoop up body in token list; after the assignment define and
6735 % execute body
6736 \def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
6737 \advance\bidilooprepeat@depth\one\relax
6738 \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
6739 \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}\bidilooprepeat@count\relax
6740 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@toks\relax
6741 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@toks\relax
6742 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@toks\relax
6743 \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidilooprepeat@tmp
6744 \edef\bidilooprepeat@tmp
6745 {\def\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@looprepeat}\bidilooprepeat@tmp
6746 \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral\bidilooprepeat@toks\relax
6747
6748 % Define and execute loop body
6749 % This is done with an \edef to construct the actual sequence
6750 \def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef\bidilooprepeat@body}{%
6751 \bidilooprepeat@csargromannumeral\the\bidilooprepeat@wtest}%
6752 \noexpand\the\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@toks}%
6753 \bidilooprepeat@csargromannumeral\the\bidilooprepeat@utest}%
6754 \global\bidilooprepeat@csargromannumeral\advance\bidilooprepeat@count by \bidilooprepeat@tmp
6755 \noexpand\endlooprepeat
6756 \bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@looprepeat}}%
6757 \bidilooprepeat@csromannumeral\bidilooprepeat@body\ignorespaces}

```



```

6758
6759 % Stop test
6760 %% In order to stop, issue a
6761 % \breaklooprepeat which scoops up the rest of the body and exits
6762 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral{bidi@looprepeat@body}}
6763 \advance\bidi@looprepeat@depth@m@ne \bidi@looprepeat@traceexit
6764 }
6765
6766
6767 % Setup
6768 % gather bounds and termination conditions
6769 \def\bidi@looprepeat@setup#1{%
6770   \begingroup
6771     \def\forvariable##1{%
6772       \edef\bidi@looprepeat@tmp{%
6773         \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{bidi@looprepeat@body}%
6774         \bidi@looprepeat@tmp}%
6775       \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{bidi@looprepeat@count}##1\ignorespaces}%
6776       \def\tovalue##1{%
6777         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{bidi@looprepeat@count}%
6778           {\bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
6779           \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{bidi@looprepeat@count}\bidi@looprepeat@wtest}%
6780           \noexpand\expandafter \noexpand\breaklooprepeat
6781           \noexpand\fi}\ignorespaces}%
6782       \bidi@looprepeat@tmp}%
6783     \def\downtovalue##1{%
6784       \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
6785     \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}%
6786       \bidi@looprepeat@csargromannumeral\gdef{bidi@looprepeat@inc}{-##1}\else
6787       \bidi@looprepeat@csargromannumeral\gdef{bidi@looprepeat@inc}{##1}\fi\ignorespaces}%
6788     \def\untilcondition##1{%
6789       \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{bidi@looprepeat@count}%
6790         {\noexpand##1\relax
6791         \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6792       \bidi@looprepeat@tmp}%
6793     \def\whilecondition##1{%
6794       \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{bidi@looprepeat@count}%
6795         {\noexpand##1\relax \noexpand\else
6796         \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6797       \bidi@looprepeat@tmp}%
6798     \fromvalue{\@ne}\bystep{\@ne}#1%
6799   \endgroup}
6800 \def\bidi@looprepeat@zero
6801   {\bidi@looprepeat@csromannumeral{bidi@looprepeat@toks}{}\bidi@looprepeat@csromannumeral{bidi@looprepeat@body}}
6802   \bidi@looprepeat@csargromannumeral\def{bidi@looprepeat@body}{}}
6803
6804 %\tracingmacros2
6805 %\newcount\tmpcount % used in some examples below
6806
6807 %\looprepeat \forvariable{i}
6808 %   \bystep{2}
6809 % \doloopbody {%
6810 %   \ifnum i=13 \expandafter\breaklooprepeat \fi
6811 %   \number i}%

```



```

6812 %}%
6813
6814 %\looprepeat \forvariable{iii}
6815 %      \tovalue{8}
6816 %      \doloopbody {}
6817 %After loop: \number\iii%
6818
6819 %\looprepeat \forvariable{i}
6820 %      \fromvalue{10}
6821 %      \bystep{2}
6822 %      \downtovalue{0}
6823 %      \doloopbody {\number\i} }
6824
6825 %\looprepeat \forvariable{x} \whilecondition{\ifnum\x<7}
6826 %      \doloopbody {\number\x} }
6827
6828 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
6829
6830 %\looprepeat \forvariable{j}
6831 %      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
6832 %      \doloopbody {\number\j} }
6833
6834 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
6835 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
6836 % \doloopbody {(\number\i.\number\j) }
6837 % }
6838
6839 % infinite loop
6840 %\looprepeat \doloopbody {}
6841
6842 \ExplSyntaxOn
6843 \NewDocumentCommand \bidi@AfterClass { s m o +m }
6844 {
6845   \IfBooleanTF { #1 }
6846   {
6847     \@ifclassloaded{ #2 }
6848     { #4 }
6849     {
6850       \hook_gput_code:nnn
6851       { file / #2.\@clsextension / after }
6852       { #3 }
6853       { #4 }
6854     }
6855   }
6856   {
6857     \hook_gput_code:nnn { file / #2.\@clsextension / after } { #3 } { #4 }
6858   }
6859 }
6860
6861 \seq_new:N \g__biditools_input_file_seq
6862
6863 \prg_new_protected_conditional:Npnn \__bidi_if_loading:n #1 { T, F, TF }
6864 {
6865   \str_set:Nx \l_tmpa_str { #1 }

```



```

6866 \seq_if_in:NxTF \g__biditools_input_file_seq { \str_use:N \l_tmpa_str }
6867 { \prg_return_true: }
6868 { \prg_return_false: }
6869 }
6870
6871 \prg_new_protected_conditional:Npnn \bidi_if_class_loaded:n #1 { T, F, TF }
6872 {
6873   \@ifclassloaded { #1 }
6874   {
6875     \__bidi_if_loading:nTF { #1.\@clsextension }
6876     { \prg_return_false: }
6877     { \prg_return_true: }
6878   }
6879   {
6880     \prg_return_false:
6881   }
6882 }
6883
6884 \prg_new_protected_conditional:Npnn \bidi_if_package_loaded:n #1 { T, F, TF }
6885 {
6886   \@ifpackageloaded { #1 }
6887   {
6888     \__bidi_if_loading:nTF { #1.\@pkgextension }
6889     { \prg_return_false: }
6890     { \prg_return_true: }
6891   }
6892   {
6893     \prg_return_false:
6894   }
6895 }
6896
6897 \NewDocumentCommand \bidi@AfterAtEndOfClass { s m o +m }
6898 {
6899   \IfBooleanTF { #1 }
6900   {
6901     \bidi_if_class_loaded:nTF { #2 }
6902     { #4 }
6903     { \hook_gput_code:nnn { class / #2 / after } { #3 } { #4 } }
6904   }
6905   {
6906     \bidi_if_class_loaded:nF
6907     { #2 }
6908     { \hook_gput_code:nnn { class / #2 / after } { #3 } { #4 } }
6909   }
6910 }
6911
6912 \NewDocumentCommand \bidi@AfterPackage { s m o +m }
6913 {
6914   \IfBooleanTF { #1 }
6915   {
6916     \@ifpackageloaded{ #2 }
6917     { #4 }
6918     {
6919       \hook_gput_code:nnn

```




```

6920         { file / #2.\@pkgextension / after }
6921         { #3 }
6922         { #4 }
6923     }
6924 }
6925 {
6926     \hook_gput_code:nnn { file / #2.\@pkgextension / after } { #3 } { #4 }
6927 }
6928 }
6929
6930 \NewDocumentCommand \bidi@AfterAtEndOfPackage { s m o +m }
6931 {
6932     \IfBooleanTF { #1 }
6933     {
6934         \bidi_if_package_loaded:nTF { #2 }
6935         { #4 }
6936         { \hook_gput_code:nnn { package / #2 / after } { #3 } { #4 } }
6937     }
6938     {
6939         \bidi_if_package_loaded:nF
6940         { #2 }
6941         { \hook_gput_code:nnn { package / #2 / after } { #3 } { #4 } }
6942     }
6943 }
6944
6945 \clist_new:N \l__biditools_package_clist
6946 \msg_new:nnn { biditools } { cannot-prevent-for-already-loaded-package }
6947 {
6948     Can-not-prevent-package~`#1'~from-being-loaded,~
6949     since-it-has-been-loaded-already-before-line~\msg_line_number:
6950 }
6951 \clist_new:N \g__biditools_prevent_clist
6952
6953 \NewDocumentCommand \bidi@PreventPackageFromLoading { s +o m }
6954 {
6955     \clist_set:Nx \l__biditools_package_clist { #3 }
6956     \clist_map_inline:Nn \l__biditools_package_clist
6957     {
6958         \@ifpackageloaded { ##1 }
6959         {
6960             \IfBooleanTF { #1 } { \msg_info:nnn } { \msg_warning:nnn }
6961             { biditools } { cannot-prevent-for-already-loaded-package } { ##1 }
6962         }
6963         {
6964             \clist_if_in:NnF \g__biditools_prevent_clist { ##1 }
6965             { \clist_gput_right:Nn \g__biditools_prevent_clist { ##1 } }
6966             \tl_if_exist:cF { g__biditools_exclude_package_##1_tl }
6967             {
6968                 \tl_new:c { g__biditools_exclude_package_##1_tl }
6969             }
6970             \IfValueT { #2 }
6971             {
6972                 \tl_gput_right:cn { g__biditools_exclude_package_##1_tl } { #2 }
6973             }

```



```

6974         \disable@package@load { ##1 }
6975         { \tl_use:c { g__biditools_exclude_package_##1_tl } }
6976     }
6977 }
6978 \clist_clear:N \l__biditools_package_clist
6979 }
6980
6981 \NewDocumentCommand \bidi@ResetPreventPackageFromLoading {}
6982 {
6983     \clist_map_function:NN \g__biditools_prevent_clist \reenable@package@load
6984     \clist_gclear:N \g__biditools_prevent_clist
6985 }
6986
6987 \NewDocumentCommand \bidi@StorePreventPackageFromLoading { m }
6988 { \edef #1 { \clist_use:Nn \g__biditools_prevent_clist { , } } }
6989
6990 \NewDocumentCommand \bidi@UnPreventPackageFromLoading { s m }
6991 {
6992     \clist_set:Nx \l__biditools_package_clist { #2 }
6993     \clist_map_inline:Nn \l__biditools_package_clist
6994     {
6995         \clist_if_in:NnT \g__biditools_prevent_clist { ##1 }
6996         {
6997             \clist_gremove_all:Nn \g__biditools_prevent_clist { ##1 }
6998             \reenable@package@load { ##1 }
6999             \IfBooleanT { #1 }
7000             { \cs_undefine:c { g__biditools_exclude_package_##1_tl } }
7001         }
7002     }
7003 }
7004
7005 \NewDocumentCommand \bidi@BeforeClosingMainAux { o m }
7006 {
7007     \hook_gput_code:nnn { enddocument / afterlastpage } { #1 }
7008     {
7009         \debug_suspend:
7010         \RenewDocumentCommand \bidi@BeforeClosingMainAux { m } { ##1 }
7011         \cs_set_eq:NN \__biditools_protected@write:Nnn \protected@write
7012         \cs_set_eq:NN \protected@write \bidi@protected@immediate@write
7013         #2
7014         \cs_set_eq:NN \protected@write \__biditools_protected@write:Nnn
7015         \debug_resume:
7016     }
7017 }
7018
7019 \NewDocumentCommand \bidi@AfterReadingMainAux { o m }
7020 {
7021     \hook_gput_code:nnn { enddocument / afteraux } { #1 }
7022     {
7023         \debug_suspend:
7024         \RenewDocumentCommand \bidi@AfterReadingMainAux { m } { ##1 }
7025         \cs_set_eq:NN \__biditools_protected@write:Nnn \protected@write
7026         \cs_set_eq:NN \protected@write \bidi@protected@immediate@write
7027         #2

```



```

7028      \cs_set_eq:NN \protected@write \__biditools_protected@write:Nnn
7029      \debug_resume:
7030    }
7031  }
7032
7033 \clist_new:N \l__biditools_file_patch_clist
7034
7035 \NewDocumentCommand \ApplyPatchToFiles { m O{def} O{bidi} }
7036 {
7037   \clist_set:Nx \l__biditools_file_patch_clist { #1 }
7038   \clist_map_inline:Nn \l__biditools_file_patch_clist
7039   {
7040     \ApplyPatchToFile { ##1 } [ #2 ] [ #3 ]
7041   }
7042   \clist_clear:N \l__biditools_file_patch_clist
7043 }
7044
7045 \clist_new:N \l__biditools_package_patch_clist
7046
7047 \NewDocumentCommand \ApplyPatchToPackages { m O{bidi} }
7048 {
7049   \clist_set:Nx \l__biditools_package_patch_clist { #1 }
7050   \clist_map_inline:Nn \l__biditools_package_patch_clist
7051   {
7052     \ApplyPatchToPackage { ##1 } [ #2 ]
7053   }
7054   \clist_clear:N \l__biditools_package_patch_clist
7055 }
7056
7057 \clist_new:N \l__biditools_class_patch_clist
7058
7059 \NewDocumentCommand \ApplyPatchToClasses { m O{bidi} }
7060 {
7061   \clist_set:Nx \l__biditools_class_patch_clist { #1 }
7062   \clist_map_inline:Nn \l__biditools_class_patch_clist
7063   {
7064     \ApplyPatchToClass { ##1 } [ #2 ]
7065   }
7066   \clist_clear:N \l__biditools_class_patch_clist
7067 }
7068
7069 \NewDocumentCommand \ApplyPatchToClassesIfPackageLoadedF { m m O{bidi} }
7070 {
7071   \clist_set:Nx \l__biditools_class_patch_clist { #1 }
7072   \clist_map_inline:Nn \l__biditools_class_patch_clist
7073   {
7074     \ApplyPatchToClassIfPackageLoadedF { ##1 } { #2 } [ #3 ]
7075   }
7076   \clist_clear:N \l__biditools_class_patch_clist
7077 }
7078 \ExplSyntaxOff
7079
7080 \newcommand*{\bidi@ReplaceInput}{\declare@file@substitution}
7081 \newcommand*{\bidi@UnReplaceInput}

```



```

7082 {\undeclare@file@substitution}
7083 \newcommand*{\bidi@ReplacePackage}[2]{%
7084   \declare@file@substitution{#1.\@pkgextension}{#2.\@pkgextension}%
7085 }
7086 \newcommand*{\bidi@UnReplacePackage}[1]{%
7087   \undeclare@file@substitution{#1.\@pkgextension}%
7088 }
7089 \newcommand*{\bidi@ReplaceClass}[2]{%
7090   \declare@file@substitution{#1.\@clsextension}{#2.\@clsextension}%
7091 }
7092 \newcommand*{\bidi@UnReplaceClass}[1]{%
7093   \undeclare@file@substitution{#1.\@clsextension}%
7094 }
7095 \newcommand*{\bidi@BeforeFile}[1]{%
7096   \AddToHook{file/#1/before}%
7097 }
7098 \newcommand*{\bidi@AfterFile}[1]{%
7099   \AddToHook{file/#1/after}%
7100 }
7101 \newcommand*{\bidi@BeforeClass}[1]{%
7102   \bidi@BeforeFile{#1.\@clsextension}%
7103 }
7104 \newcommand*{\bidi@BeforePackage}[1]{%
7105   \bidi@BeforeFile{#1.\@pkgextension}%
7106 }
7107
7108 \long\def\bidi@protected@immediate@write#1#2#3{%
7109   \begingroup
7110     #2%
7111     \let\protect\@unexpandable@protect
7112     \edef\reserved@a{\immediate\write#1{#3}}%
7113     \reserved@a
7114   \endgroup
7115   \if@nobreak\ifvmode\nobreak\fi\fi
7116 }
7117
7118 \def\bidi@patch@AfterPackage#1{%
7119   \@ifpackageloaded{#1}{%
7120     \@firstofone
7121   }{%
7122     \AddToHook{package/#1/after}%
7123   }%
7124 }
7125
7126 \def\bidi@patch@AfterFile#1{%
7127   \IfFileLoadedTF{#1}{%
7128     \@firstofone
7129   }{%
7130     \AddToHook{file/#1/after}%
7131   }%
7132 }
7133
7134 \NewDocumentCommand \ApplyPatchToFile { m O{def} O{bidi} }
7135 {

```



```

7136 \bidi@patch@AfterFile{#1.#2}{%
7137 \ifnum\catcode`\@=11
7138 \input{#1-xetex-#3.def}%
7139 \else
7140 \bidi@storecatcode\@
7141 \makeatletter
7142 \input{#1-xetex-#3.def}%
7143 \bidi@restorecatcode\@
7144 \fi
7145 }%
7146 }
7147
7148 \NewDocumentCommand \ApplyPatchCodeToFile { m +m O{def} }
7149 {
7150 \bidi@patch@AfterFile{#1.#3}{#2}%
7151 }
7152
7153 \NewDocumentCommand \ApplyPatchToFilesIfPackageLoadedF { m m O{def} O{bidi} }
7154 {
7155 \AddToHook{begindocument/before}{%
7156 \IfPackageLoadedF{#1}{%
7157 \ApplyPatchToFiles{#2}{#3}{#4}%
7158 }%
7159 }
7160 }
7161
7162 \NewDocumentCommand \ApplyPatchToClassIfPackageLoadedF { m m O{bidi} }
7163 {
7164 \AddToHook{begindocument/before}{%
7165 \IfPackageLoadedF{#2}{%
7166 \ifnum\catcode`\@=11
7167 \@ifclassloaded{#1}{%
7168 \input{#1-xetex-#3.def}%
7169 }{}%
7170 \else
7171 \bidi@storecatcode\@
7172 \makeatletter
7173 \@ifclassloaded{#1}{%
7174 \input{#1-xetex-#3.def}%
7175 }{}%
7176 \bidi@restorecatcode\@
7177 \fi
7178 }%
7179 }
7180 }
7181
7182 \NewDocumentCommand \ApplyPatchToPackageIfPackageLoadedF { m m O{bidi} }
7183 {
7184 \AddToHook{begindocument/before}{%
7185 \IfPackageLoadedF{#2}{%
7186 \IfPackageLoadedT{#1}{%
7187 \ifnum\catcode`\@=11
7188 \input{#1-xetex-#3.def}%
7189 \else

```



```

7190         \bidi@storecatcode\@
7191         \makeatletter
7192         \input{#1-xetex-#3.def}%
7193         \bidi@restorecatcode\@
7194     \fi
7195 }%
7196 }%
7197 }
7198 }
7199
7200 \NewDocumentCommand \ApplyPatchIfPackageLoaded { m +m +m }
7201 {
7202     \AddToHook{begindocument/before}{%
7203         \ifnum\catcode`\@=11
7204             \@ifpackageloaded{#1}{#2}{#3}%
7205         \else
7206             \bidi@storecatcode\@
7207             \makeatletter
7208             \@ifpackageloaded{#1}{#2}{#3}%
7209             \bidi@restorecatcode\@
7210         \fi
7211     }
7212 }
7213
7214 \NewDocumentCommand \ApplyPatchIfPackageLoadedT { m +m }
7215 {
7216     \ApplyPatchIfPackageLoaded{#1}{#2}{}%
7217 }
7218
7219 \NewDocumentCommand \ApplyPatchIfPackageLoadedF { m +m }
7220 {
7221     \ApplyPatchIfPackageLoaded{#1}{}{#2}%
7222 }
7223
7224 \NewDocumentCommand \ApplyPatchToPackage { m O{bidi} }
7225 {
7226     \bidi@patch@AfterPackage{#1}{\input{#1-xetex-#2.def}}%
7227 }
7228
7229 \NewDocumentCommand \ApplyPatchCodeToPackage { m +m }
7230 {
7231     \bidi@patch@AfterPackage{#1}{#2}%
7232 }
7233
7234 \NewDocumentCommand \ApplyPatchToClass { m O{bidi} }
7235 {
7236     \@ifclassloaded{#1}{\input{#1-xetex-#2.def}}{}%
7237 }

```

53 File bidentuftefloat.sty

```

7238 \NeedsTeXFormat{LaTeX2e}
7239 \ProvidesPackage{bidentuftefloat}[2025/01/03 v0.3
7240 bidi implementation of tufte float]

```



```

7241 \RequirePackage{xifthen}
7242 \newcommand{\@biditytfloat@pkgname}{biditytfloat}
7243 \newcommand{\biditytfloatError}[2]{\PackageError{\@biditytfloat@pkgname}{#1}{#2}}
7244 \newcommand{\biditytfloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@biditytfloat@debug}}{\bid
7245 \newcommand{\biditytfloatInfoNL}[1]{\PackageInfo{\@biditytfloat@pkgname}{#1\@gobble}}
7246 \newboolean{\@biditytfloat@reversegeometry}
7247 \setboolean{\@biditytfloat@reversegeometry}{false}
7248 \DeclareOption{reversegeometry}{\setboolean{\@biditytfloat@reversegeometry}{true}}
7249 \newboolean{\@biditytfloat@a4paper}
7250 \DeclareOption{a4paper}{\setboolean{\@biditytfloat@a4paper}{true}}
7251 \newboolean{\@biditytfloat@b5paper}
7252 \DeclareOption{b5paper}{\setboolean{\@biditytfloat@b5paper}{true}}
7253 \newboolean{\@biditytfloat@symmetric}
7254 \newboolean{\@biditytfloat@twoside}
7255 \DeclareOption{twoside}{%
7256 \@twoside>true \mparswitchtrue%
7257 \setboolean{\@biditytfloat@twoside}{true}%
7258 \setboolean{\@biditytfloat@symmetric}{true}%
7259 }
7260 \DeclareOption{oneside}{%
7261 \@twoside>false \mparswitchfalse%
7262 \setboolean{\@biditytfloat@twoside}{false}%
7263 \setboolean{\@biditytfloat@symmetric}{false}%
7264 }
7265 \IfClassLoadedT{book}{\ExecuteOptions{twoside}}
7266 \newboolean{\@biditytfloat@debug}
7267 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodete
7268 \ProcessOptions
7269 %% Globally sets the length
7270 \newcommand*{\gsetlength}[2]{%
7271 \setlength{#1}{#2}%
7272 \global#1=#1\relax%
7273 }
7274
7275 %% Set the font sizes and baselines to match biditytfloat's books
7276 \renewcommand\normalsize{%
7277 \setfontsize\normalsize\@xpt{14}%
7278 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7279 \abovedisplayshortskip \z@ \@plus3\p@
7280 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
7281 \belowdisplayskip \abovedisplayskip
7282 \let\@listi\@listI}
7283 \normalbaselineskip=14pt
7284 \normalsize
7285 \renewcommand\footnotesize{%
7286 \setfontsize\footnotesize\@viipt{10}%
7287 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7288 \abovedisplayshortskip \z@ \@plus\p@
7289 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
7290 \def\@listi{\leftmargin\leftmarginI
7291 \topsep 3\p@ \@plus\p@ \@minus\p@
7292 \parsep 2\p@ \@plus\p@ \@minus\p@
7293 \itemsep \parsep}%
7294 \belowdisplayskip \abovedisplayskip

```



```

7295 }
7296 %% Paragraph indentation and separation for marginal text
7297 \newcommand{\@biditytfloat@margin@par}{%
7298   \setlength{\RaggedRightParindent}{0.5pc}%
7299   \setlength{\JustifyingParindent}{0.5pc}%
7300   \setlength{\parindent}{0.5pc}%
7301   \setlength{\parskip}{0pt}%
7302 }
7303 \RequirePackage{ragged2e}
7304 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
7305 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
7306 \ifthenelse{\boolean{@biditytfloat@afourpaper}}
7307   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
7308   }}
7309 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7310   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
7311   }}{%
7312 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
7313 \ifthenelse{\boolean{@biditytfloat@afourpaper}}
7314   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
7315   }}
7316 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7317   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
7318   }}
7319 \ifthenelse{\boolean{@biditytfloat@symmetric}}
7320   {}
7321   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
7322 \setlength\marginparpush{10pt}
7323 %% Font for margin items
7324 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
7325 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
7326 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
7327 \newcommand{\@biditytfloat@justification}{\justifying}%
7328 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7329 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7330 \newboolean{@biditytfloat@changepage}
7331 \IfFileExists{changepage.sty}{%
7332   \biditytfloatDebugInfoNL{Found changepage.sty}
7333   \RequirePackage[strict]{changepage}
7334   \setboolean{@biditytfloat@changepage}{true}
7335 }{%
7336   \biditytfloatDebugInfoNL{Found chngpage.sty}
7337   \RequirePackage[strict]{chngpage}
7338   \setboolean{@biditytfloat@changepage}{false}
7339 }
7340 \newboolean{@biditytfloat@odd@page}
7341 \setboolean{@biditytfloat@odd@page}{true}
7342 \newcommand*{\@biditytfloat@checkoddpage}{%
7343   \checkoddpage%
7344   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
7345     \ifoddpage%
7346       \setboolean{@biditytfloat@odd@page}{true}%
7347     \else%
7348       \setboolean{@biditytfloat@odd@page}{false}%

```




```

7349 \fi%
7350 }{%
7351 \ifcoddpage%
7352 \setboolean{@biditytfloat@odd@page}{true}%
7353 \else%
7354 \setboolean{@biditytfloat@odd@page}{false}%
7355 \fi%
7356 }%
7357 }
7358 \newlength{@biditytfloat@overhang}% used by the fullwidth environment and the running head
7359 \newlength{@biditytfloat@fullwidth}
7360 \newlength{@biditytfloat@caption@fill}
7361 \newcommand{@biditytfloatRecalculate}{%
7362 \setlength{@biditytfloat@overhang}{\marginparwidth}
7363 \addtolength{@biditytfloat@overhang}{\marginparsep}
7364
7365 \setlength{@biditytfloat@fullwidth}{\textwidth}
7366 \addtolength{@biditytfloat@fullwidth}{\marginparsep}
7367 \addtolength{@biditytfloat@fullwidth}{\marginparwidth}
7368
7369 \setlength{@biditytfloat@caption@fill}{\textwidth}
7370 \addtolength{@biditytfloat@caption@fill}{\marginparsep}
7371 }
7372 \AtBeginDocument{@biditytfloatRecalculate}
7373 \RequirePackage{optparams}% provides multiple optional arguments for commands
7374 \RequirePackage{placeins}
7375 \newsavebox{@biditytfloat@margin@floatbox}
7376 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
7377 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
7378 \begin{lrbox}{@biditytfloat@margin@floatbox}%
7379 \begin{minipage}{\marginparwidth}%
7380 \setlength{@biditytfloat@caption@font}{\marginparsep}
7381 \def\capttype{#2}%
7382 \hbox{\vspace*{#1}%
7383 \setlength{@biditytfloat@caption@justification}{\marginparwidth}
7384 \setlength{@biditytfloat@margin@par}{\marginparsep}
7385 \noindent%
7386 }
7387 {\end{minipage}%
7388 \end{lrbox}%
7389 \marginpar{\usebox{@biditytfloat@margin@floatbox}}%
7390 }
7391 \newenvironment{marginfigure}[1][-1.2ex]%
7392 {\begin{@biditytfloat@margin@float}[#1]{figure}}
7393 {\end{@biditytfloat@margin@float}}
7394 \newenvironment{margintable}[1][-1.2ex]%
7395 {\begin{@biditytfloat@margin@float}[#1]{table}}
7396 {\end{@biditytfloat@margin@float}}
7397 \newcommand*{@biditytfloat@justification@autodetect}{\justifying}%
7398
7399 \newcommand{@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
7400 \newcommand{@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
7401 \ifthenelse{\equal{@biditytfloat@float@debug@info}{}}{}%
7402 {\def{@biditytfloat@float@debug@info}{#1}}%

```



```

7403     {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7404 }
7405 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7406 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7407 \newboolean{\@biditytfloat@float@recto}
7408 \newcommand{\forcerectofloat}{\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7409 \newcommand{\forceversofloat}{\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7410 \newsavebox{\@biditytfloat@figure@box}
7411 \newsavebox{\@biditytfloat@caption@box}
7412 \let\@biditytfloat@orig@float\@float
7413 \let\@biditytfloat@orig@endfloat\endfloat
7414 \newlength{\@biditytfloat@caption@vertical@offset}
7415 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
7416 \newcommand{\@biditytfloat@stored@shortcaption}{%
7417 \newcommand{\@biditytfloat@stored@caption}{%
7418 \newcommand{\@biditytfloat@stored@label}{%
7419 \long\def\@biditytfloat@caption[#1][#2]#3{%
7420 \ifthenelse{\isempty{#1}}{%
7421     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
7422     {\gdef\@biditytfloat@stored@caption{#1}}%
7423 \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to 1
7424 \gdef\@biditytfloat@stored@caption{#3}%
7425 }
7426 \newcommand{\@biditytfloat@label}[1]{%
7427 \gdef\@biditytfloat@stored@label{#1}%
7428 }
7429 \newcommand{\@biditytfloat@fps}{%
7430 \newboolean{\@biditytfloat@float@star}
7431 \newlength{\@biditytfloat@float@contents@width}
7432 \newenvironment{\@biditytfloat@float}[3][htbp]%
7433 {% begin \@biditytfloat@float
7434 % Should this float be full-width or just text-width?
7435 \ifthenelse{\equal{#3}{star}}{%
7436     {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
7437     {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
7438 % Check page side (recto/verso) and store detected value -- can be overridden in environment
7439 \@biditytfloat@checkoddpage%
7440 \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
7441     {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Determined position: [recto]}%
7442     {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Determined position: [verso]}%
7443 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
7444 \renewcommand{\@biditytfloat@fps}{#1}%
7445 \@biditytfloat@float@debug{Allowed positions: [#1]}%
7446 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
7447     {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bottom]}}%
7448     {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top]}}%
7449 % Capture the contents of the \caption and \label commands to use later
7450 \global\let\@biditytfloat@orig@caption\caption%
7451 \global\let\@biditytfloat@orig@label\label%
7452 \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[Opt]}}%
7453 \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
7454 % Handle subfigure package compatibility
7455 \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
7456     \bidi@patchcmd{\subfigure}{%

```



```

7457 \let\subfig@oldlabel=\label
7458 }{%
7459 \let\subfig@oldlabel=\@biditytfloat@orig@label
7460 }
7461 {}
7462 {}
7463 \let\subtable=\subfigure
7464 }{}% subfigure package is not loaded
7465 \@biditytfloat@orig@float{#2}[#1]%
7466 \ifthenelse{\boolean{@biditytfloat@float@star}}{%
7467   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
7468   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
7469 \begin{lrbox}{\@biditytfloat@figure@box}%
7470 \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{}%
7471 }{% end @biditytfloat@float
7472   \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% a
7473   \end{minipage}%
7474 \end{lrbox}%
7475 % build the caption box
7476 \begin{lrbox}{\@biditytfloat@caption@box}%
7477   \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
7478     \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}}{\@biditytfloat@orig@cap
7479     \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}}{\@biditytfloat@orig@label
7480     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7481   \end{minipage}%
7482 \end{lrbox}%
7483 % now typeset the stored boxes
7484 \begin{fullwidth}%
7485   \begin{minipage}[\floatalignment]{\linewidth}%
7486     \ifthenelse{\boolean{@biditytfloat@float@star}}%
7487       {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
7488       {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
7489   \end{minipage}%
7490 \end{fullwidth}%
7491 \@biditytfloat@orig@endfloat% end original LaTeX float environment
7492 % output debug info
7493 \ifthenelse{\boolean{@biditytfloat@debug}}{%
7494   \typeout{^^J^^J----- biditytfloat package float information -----}%
7495   \ifthenelse{\equal{\@biditytfloat@stored@label}}{}%
7496     {\typeout{Warning: Float unlabeled!}}%
7497     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
7498   \typeout{Page number: [\thepage]}%
7499   \def\MessageBreak{^^J}%
7500   \typeout{\@biditytfloat@float@debug@info}%
7501   \ifthenelse{\boolean{@biditytfloat@symmetric}}%
7502     {\typeout{Symmetric: [true]}}%
7503     {\typeout{Symmetric: [false]}}%
7504   \typeout{-----^^J^^J}%
7505 }{}%
7506 % reset commands and temp boxes and captions
7507 \gdef\@biditytfloat@float@debug@info{}%
7508 \let\caption\@biditytfloat@orig@caption%
7509 \let\label\@biditytfloat@orig@label%
7510 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%

```



```

7511 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
7512 \gdef\@biditytfloat@stored@shortcaption{}%
7513 \gdef\@biditytfloat@stored@caption{}%
7514 \gdef\@biditytfloat@stored@label{}%
7515 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
7516 }
7517 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
7518 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}
7519 % asymmetric or page is odd, so caption is on the right
7520 \hbox{%
7521 \usebox{#2}%
7522 \hspace{\marginparsep}%
7523 \smash{\raisebox{#1}{\usebox{#3}}}%
7524 }
7525 \@biditytfloat@float@debug{Caption position: [right]}%
7526 }{% symmetric pages and page is even, so caption is on the left
7527 \hbox{%
7528 \smash{\raisebox{#1}{\usebox{#3}}}%
7529 \hspace{\marginparsep}%
7530 \usebox{#2}%
7531 }
7532 \@biditytfloat@float@debug{Caption position: [left]}%
7533 }%
7534 }
7535 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
7536 \ifthenelse{\equal{\floatalignment}{b}}%
7537 {% place caption above figure
7538 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}
7539 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug}
7540 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug}
7541 }{% place caption below figure
7542 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}
7543 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug}
7544 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug}
7545 }%
7546 }
7547 \renewenvironment{figure}[1][htbp]%
7548 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
7549 {\end{@biditytfloat@float}}
7550 \renewenvironment{table}[1][htbp]
7551 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
7552 {\end{@biditytfloat@float}}
7553 \renewenvironment{figure*}[1][htbp]%
7554 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
7555 {\end{@biditytfloat@float}}
7556 \renewenvironment{table*}[1][htbp]%
7557 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
7558 {\end{@biditytfloat@float}}
7559 \newenvironment{fullwidth}
7560 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
7561 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{- \@biditytfloat@overhang}}%
7562 {\begin{adjustwidth}{- \@biditytfloat@overhang}}%
7563 }%
7564 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%

```



```

7565     {\ifthenelse{\boolean{@bidituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}
7566     {\end{adjustwidth}}}%
7567 }
7568 \long\def\@caption#1[#2]#3{%
7569   \par%
7570   \addcontentsline{\csname ext@#1\endcsname}{#1}%
7571     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7572   \begingroup%
7573     \@parboxrestore%
7574     \if@minipage%
7575       \@setminipage%
7576     \fi%
7577     \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
7578     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
7579     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
7580   \endgroup}
7581 %%
7582 % Turns newlines into spaces. Based on code from the 'titlesec' package.
7583 \DeclareRobustCommand{\@biditufteheading@newlinetospace}{%
7584   \@ifstar{\@biditufteheading@newlinetospace@i}{\@biditufteheading@newlinetospace@i}%
7585 }
7586 \def\@biditufteheading@newlinetospace@i{%
7587   \ifdim\lastskip>z@\else\space\fi
7588   \ignorespaces%
7589 }
7590 \DeclareRobustCommand{\newlinetospace}[1]{%
7591   \let\@biditufteheading@orig@cr\\% save the original meaning of \\
7592   \def\\{\@biditufteheading@newlinetospace}% turn \\ and \\* into \space
7593   \let\newline\\% turn \newline into \space
7594   #1%
7595   \let\\ \@biditufteheading@orig@cr% revert to original meaning of \\
7596 }
7597 \RequirePackage{fancyhdr}
7598 \pagestyle{fancy}
7599 \AtBeginDocument{%
7600   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
7601     {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
7602     {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
7603 }
7604 % The running heads/feet don't have rules
7605 \renewcommand{\headrulewidth}{0pt}
7606 \renewcommand{\footrulewidth}{0pt}
7607 % The 'fancy' page style is the default style for all pages.
7608 \fancyhf{} % clear header and footer fields
7609   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
7610     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7611     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7612     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7613 % The 'plain' page style is used on chapter opening pages.
7614 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7615 % bottom of pages -- the folios are unexpressed.
7616 \fancypagestyle{plain}{
7617   \fancyhf{} % clear header and footer fields
7618   % Uncomment the following five lines of code if you want the opening page

```



```

7619 % of the chapter to express the folio in the lower outside corner.
7620 % \ifthenelse{\boolean{@bidituftefloat@symmetric}}
7621 % {\fancyfoot[LE,RO]{\thepage}}
7622 % {\fancyfoot[RE,RO]{\thepage}}
7623 }
7624 % The 'empty' page style suppresses all headers and footers.
7625 % It's used on title pages and 'intentionally blank' pages.
7626 \fancypagestyle{empty}{
7627   \fancyhf{} % clear header and footer fields
7628 }
7629 \def\morefloats{% provides a total of 52 floats
7630   \ifthenelse{\isundefined{\bx@S}}{%
7631     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
7632     \newinsert\bx@S
7633     \newinsert\bx@T
7634     \newinsert\bx@U
7635     \newinsert\bx@V
7636     \newinsert\bx@W
7637     \newinsert\bx@X
7638     \newinsert\bx@Y
7639     \newinsert\bx@Z
7640     \newinsert\bx@a
7641     \newinsert\bx@b
7642     \newinsert\bx@c
7643     \newinsert\bx@d
7644     \newinsert\bx@e
7645     \newinsert\bx@f
7646     \newinsert\bx@g
7647     \newinsert\bx@h
7648     \newinsert\bx@i
7649     \newinsert\bx@j
7650     \newinsert\bx@k
7651     \newinsert\bx@l
7652     \newinsert\bx@m
7653     \newinsert\bx@n
7654     \newinsert\bx@o
7655     \newinsert\bx@p
7656     \newinsert\bx@q
7657     \newinsert\bx@r
7658     \newinsert\bx@s
7659     \newinsert\bx@t
7660     \newinsert\bx@u
7661     \newinsert\bx@v
7662     \newinsert\bx@w
7663     \newinsert\bx@x
7664     \newinsert\bx@y
7665     \newinsert\bx@z
7666     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7667       \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7668       \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7669       \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7670       \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7671       \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7672       \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e

```



```

7673         \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7674         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7675         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7676         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7677         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
7678 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
7679 \ifthenelse{\isundefined{\bx@AA}}{%
7680 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
7681 \newinsert\bx@AA
7682 \newinsert\bx@BB
7683 \newinsert\bx@CC
7684 \newinsert\bx@DD
7685 \newinsert\bx@EE
7686 \newinsert\bx@FF
7687 \newinsert\bx@GG
7688 \newinsert\bx@HH
7689 \newinsert\bx@II
7690 \newinsert\bx@JJ
7691 \newinsert\bx@KK
7692 \newinsert\bx@LL
7693 \newinsert\bx@MM
7694 \newinsert\bx@NN
7695 \newinsert\bx@OO
7696 \newinsert\bx@PP
7697 \newinsert\bx@QQ
7698 \newinsert\bx@RR
7699 \newinsert\bx@SS
7700 \newinsert\bx@TT
7701 \newinsert\bx@UU
7702 \newinsert\bx@VV
7703 \newinsert\bx@WW
7704 \newinsert\bx@XX
7705 \newinsert\bx@YY
7706 \newinsert\bx@ZZ
7707 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7708         \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7709         \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7710         \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7711         \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7712         \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7713         \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7714         \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7715         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7716         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7717         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7718         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
7719         \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
7720         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
7721         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
7722         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7723         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7724         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7725 }{%
7726 \bidituftefloatError{You may only call \string\morefloats\space twice. See the\Message

```



```

7727         {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or
7728     }%
7729 }%
7730 }
7731 \newboolean{@biditytfloat@packages@subfigure}
7732 \setboolean{@biditytfloat@packages@subfigure}{false}
7733 \AtBeginDocument{%
7734     \ifpackageloaded{subfigure}
7735     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
7736     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}}%
7737 }
7738 \AtBeginDocument{%
7739     \ifpackageloaded{float}{%
7740         % Save the redefined float environment (instead of the LaTeX float environment)
7741         \let\@biditytfloat@orig@float\@float
7742         \let\@biditytfloat@orig@endfloat\endfloat
7743
7744         % Define Tuftian float styles (with the caption in the margin)
7745         \newcommand{\floatc@biditytfloatplain}[2]{%
7746             \begin{lrbox}{\@biditytfloat@caption@box}%
7747                 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
7748                     \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
7749                 \end{minipage}%
7750             \end{lrbox}%
7751             \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
7752     }
7753     \newcommand{\fs@biditytfloatplain}{%
7754         \def\@fs@cfont{\@biditytfloat@caption@font}%
7755         \let\@fs@capt\floatc@biditytfloatplain%
7756         \def\@fs@pre{}%
7757         \def\@fs@post{}%
7758         \def\@fs@mid{}%
7759         \let\@fs@iftopcapt\iftrue%
7760     }
7761     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
7762     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
7763     \newcommand\floatc@biditytfloatruled[2]{%
7764         {\@fs@cfont #1} #2\par%
7765     }
7766     \newcommand\fs@biditytfloatruled{%
7767         \def\@fs@cfont{\@biditytfloat@caption@font}%
7768         \let\@fs@capt\floatc@biditytfloatplain%
7769         \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
7770         \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
7771         \def\@fs@mid{}%
7772         \let\@fs@iftopcapt\iftrue%
7773     }
7774     \newcommand\fs@biditytfloatboxed{%
7775         \def\@fs@cfont{}%
7776         \let\@fs@capt\floatc@biditytfloatplain%
7777         \def\@fs@pre{%
7778             \setbox\@currbox\vbox{\hbadness10000
7779             \moveleft3.4pt\vbox{\advance\hsize by6.8pt
7780             \hrule \hbox to\hsize{\vrule\kern3pt

```




```

7781         \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
7782     }%
7783     \def\@fs@mid{\kern2pt}%
7784     \def\@fs@post{}%
7785     \let\@fs@iftopcapt\iftrue%
7786 }
7787 }{%
7788 % Nothing to do
7789 }
7790 }
7791 \AtBeginDocument{%
7792 \ifpackageloaded{algorithm}{%
7793 % Set the float style to the Tufte version
7794 \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}}{\@floatstyle{list}}{\@floatstyle{list}}
7795 \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to \ALG@floatstyle}%
7796 \floatstyle{\bidituftefloat\ALG@floatstyle}%
7797 \restylefloat{algorithm}%
7798 }{}%
7799 }{%
7800 % Nothing to do
7801 }
7802 }
7803 \PassOptionsToPackage{caption=false}{subfig}

```

54 File `bidituftesidenote.sty`

```

7804 \NeedsTeXFormat{LaTeX2e}
7805 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
7806 bidi implementation of tufte sidenote]
7807 \RequirePackage{xifthen}
7808 \RequirePackage{ragged2e}
7809 \RequirePackage{setspace}
7810 \RequirePackage{biditools}
7811 \def\bidituftesidenotemarginpar{%
7812 \ifhmode
7813 \@bsphack
7814 \@floatpenalty -\@Mii
7815 \else
7816 \@floatpenalty -\@Miii
7817 \fi
7818 \ifinner
7819 \@parmoderr
7820 \@floatpenalty \z@
7821 \else
7822 \@next\@currbox\@freelist{}{}%
7823 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7824 {\@floatpenalty \z@
7825 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7826 \fi
7827 \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
7828 \long\def\@bidituftesidenotexmpar[#1]#2{%
7829 \@bidituftesidenotesavemarbox\@marbox{#1}%
7830 \@bidituftesidenotesavemarbox\@currbox{#2}%
7831 \@xympar}

```



```

7832 \long\def \@bidityftesidenoteympar#1{%
7833   \@bidityftesidenotesavemarbox \@marbox{#1}%
7834   \global\setbox \@currbox\copy \@marbox
7835   \@xympar}
7836 \long\def \@bidityftesidenotesavemarbox #1#2{%
7837   \global\setbox #1%
7838     \color@vbox
7839     \vtop{%
7840       \hsize\marginparwidth
7841       \@parboxrestore
7842       \@bidityftesidenotemarginparreset
7843       #2%
7844       \@minipagefalse
7845       \outer@nobreak
7846     }%
7847   \color@endbox
7848 }
7849 \def \@bidityftesidenotemarginparreset {%
7850   \reset@font
7851   \normalsize
7852   \@minipagetrue
7853   \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
7854 }
7855 \def \LTRbidityftesidenotemarginpar{%
7856   \ifhmode
7857     \@bsphack
7858     \@floatpenalty -\@Mii
7859   \else
7860     \@floatpenalty -\@Miii
7861   \fi
7862   \ifinner
7863     \@parmoderr
7864     \@floatpenalty\z@
7865   \else
7866     \@next\@currbox\@freelist{}\{}%
7867     \@next\@marbox\@freelist{\global\count \@marbox\m@ne}%
7868     {\@floatpenalty\z@
7869       \@fltovf\def \@currbox{\@tempboxa}\def \@marbox{\@tempboxa}}%
7870   \fi
7871   \ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
7872 \long\def \@LTRbidityftesidenotexmpar[#1]#2{%
7873   \@LTRbidityftesidenotesavemarbox \@marbox{#1}%
7874   \@LTRbidityftesidenotesavemarbox \@currbox{#2}%
7875   \@xympar}
7876 \long\def \@LTRbidityftesidenoteympar#1{%
7877   \@LTRbidityftesidenotesavemarbox \@marbox{#1}%
7878   \global\setbox \@currbox\copy \@marbox
7879   \@xympar}
7880 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
7881   \global\setbox #1%
7882     \color@vbox
7883     \vtop{%
7884       \hsize\marginparwidth
7885       \@parboxrestore

```



```

7886      \LTRbidituftesidenotemarginparreset
7887      #2%
7888      \@minipagefalse
7889      \outer@nobreak
7890      }%
7891      \color@endbox
7892 }
7893 \def \LTRbidituftesidenotemarginparreset {%
7894      \reset@font
7895      \normalsize
7896      \@minipagetrue
7897      \everypar{\@minipagefalse\everypar{}\beginL}%
7898 }
7899 \def \RTLbidituftesidenotemarginpar{%
7900      \ifhmode
7901          \@bsphack
7902          \floatpenalty -\@Mii
7903      \else
7904          \floatpenalty-\@Miii
7905      \fi
7906      \ifinner
7907          \@parmoderr
7908          \floatpenalty\z@
7909      \else
7910          \@next\@currbox\@freelist{}\{}%
7911          \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7912          {\floatpenalty\z@
7913           \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
7914      \fi
7915      \ifnextchar [\@RTLbidituftesidenotexmpar\@RTLbidituftesidenoteympar}
7916 \long\def\@RTLbidituftesidenotexmpar[#1]#2{%
7917      \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
7918      \@RTLbidituftesidenotesavemarbox\@currbox{#2}%
7919      \@xympar}
7920 \long\def\@RTLbidituftesidenoteympar#1{%
7921      \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
7922      \global\setbox\@currbox\copy\@marbox
7923      \@xympar}
7924 \long\def \@RTLbidituftesidenotesavemarbox #1#2{%
7925      \global\setbox #1%
7926          \color@vbox
7927          \vtop{%
7928              \hsize\marginparwidth
7929              \@parboxrestore
7930              \@RTLbidituftesidenotemarginparreset
7931              #2%
7932              \@minipagefalse
7933              \outer@nobreak
7934              }%
7935          \color@endbox
7936 }
7937 \def \@RTLbidituftesidenotemarginparreset {%
7938      \reset@font
7939      \normalsize

```



```

7940 \minipagetrue
7941 \everypar{\minipagefalse\everypar{}\beginR}%
7942 }
7943 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
7944 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
7945 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
7946 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
7947 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
7948 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
7949 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
7950 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
7951 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
7952 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
7953 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
7954 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
7955 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
7956 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
7957 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
7958 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
7959 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
7960 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
7961 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
7962 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
7963 \newcommand*{\setRTLCitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLCitation@font}{#1}}
7964 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
7965 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
7966 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
7967 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
7968 \newcommand{\@bidityftesidenote@margin@par}{%
7969 \setlength{\RaggedRightParindent}{0.5pc}%
7970 \setlength{\JustifyingParindent}{0.5pc}%
7971 \setlength{\parindent}{0.5pc}%
7972 \setlength{\parskip}{0pt}%
7973 }
7974 %%
7975 % Globally sets the length
7976 \ifundefined{gsetlength}{%
7977 \newcommand*{gsetlength}[2]{%
7978 \setlength{#1}{#2}%
7979 \global#1=#1\relax%
7980 }%
7981 }{}
7982
7983 %%
7984 % A function that removes leading and trailing spaces from the supplied macro.
7985 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
7986 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
7987 % being trimmed of leading and trailing white space.
7988 \catcode`\Q=3
7989 \def\@bidityftesidenote@trim@spaces#1{%
7990 % Use grouping to emulate a multi-token afterassignment queue
7991 \begingroup%
7992 % Put \toks 0 {' into the afterassignment queue
7993 \aftergroup\toks\aftergroup0\aftergroup{%

```



```

7994 % Apply \trimb to the replacement text of #1, adding a leading
7995 % \noexpand to prevent brace stripping and to serve another purpose
7996 % later.
7997 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
7998 % Transfer the trimmed text back into #1.
7999 \edef#1{\the\toks0}%
8000 }
8001 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
8002 % clean up any leftover bizarre Qs, and trim a leading space. In
8003 % order for \trimc to work properly we need to put back a Q first.
8004 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
8005 % Execute \vfuzz assignment to remove leading space; the \noexpand
8006 % will now prevent unwanted expansion of a macro or other expandable
8007 % token at the beginning of the trimmed text. The \endgroup will feed
8008 % in the \aftergroup tokens after the \vfuzz assignment is completed.
8009 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
8010 \catcode\Q=11
8011 %%
8012 % Citations should go in the margin as sidenotes
8013
8014 \RequirePackage{natbib}
8015 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
8016 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
8017 \renewcommand\BR@b@bibitem[2][{}]{%
8018   \ifthenelse{\isempty{#1}}{%
8019     {\BR@bibitem{#2}}%
8020     {\BR@bibitem{#1}{#2}}%
8021   \BR@c@bibitem{#2}%
8022 }
8023 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
8024 %%
8025 % Normal \cite behavior
8026 \newcounter{@bidityftesidenote@num@bibkeys}%
8027 \newcommand{\@bidityftesidenote@normal@cite}[2][0pt]{%
8028   % Snag the last bibentry in the list for later comparison
8029   \let\@temp@last@bibkey\@empty%
8030   \for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8031   \sidenote[] [1]{%
8032     % Loop through all the bibentries, separating them with semicolons and spaces
8033     \normalsize\normalfont\@bidityftesidenote@citation@font%
8034     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8035     \for\@temp@bibkeyx:=#2\do{%
8036       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8037         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{-}{and\ }}%
8038         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8039         \bibentry{\@temp@bibkeyx}}%
8040       {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8041         \bibentry{\@temp@bibkeyx};\ }%
8042       \stepcounter{@bidityftesidenote@num@bibkeys}%
8043     }%
8044   }%
8045 }
8046 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][0pt]{%
8047   % Snag the last bibentry in the list for later comparison

```



```

8048 \let\@temp@last@bibkey\@empty%
8049 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8050 \LTRsidenote[] [#1]{%
8051   % Loop through all the bibentries, separating them with semicolons and spaces
8052   \normalsize\normalfont\@bituftesidenote@LTRcitation@font%
8053   \setcounter{\@bituftesidenote@num@bibkeys}{0}%
8054   \@for\@temp@bibkeyx:=#2\do{%
8055     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8056       {\ifthenelse{\equal{\value{\@bituftesidenote@num@bibkeys}}{0}}{\{and\ }%
8057         \@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8058         \bibentry{\@temp@bibkeyx}}}%
8059       {\@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8060         \bibentry{\@temp@bibkeyx};\ }%
8061       \stepcounter{\@bituftesidenote@num@bibkeys}%
8062     }%
8063   }%
8064 }
8065 \newcommand{\@bituftesRTLsidenote@normal@cite}[2][Opt]{%
8066   % Snag the last bibentry in the list for later comparison
8067   \let\@temp@last@bibkey\@empty%
8068   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8069   \RTLSidenote[] [#1]{%
8070     % Loop through all the bibentries, separating them with semicolons and spaces
8071     \normalsize\normalfont\@bituftesidenote@citation@font%
8072     \setcounter{\@bituftesidenote@num@bibkeys}{0}%
8073     \@for\@temp@bibkeyx:=#2\do{%
8074       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8075         {\ifthenelse{\equal{\value{\@bituftesidenote@num@bibkeys}}{0}}{\{and\ }%
8076           \@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8077           \bibentry{\@temp@bibkeyx}}}%
8078         {\@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8079           \bibentry{\@temp@bibkeyx};\ }%
8080         \stepcounter{\@bituftesidenote@num@bibkeys}%
8081       }%
8082     }%
8083   }
8084 %%
8085 % Macros for holding the list of cite keys until after the \sidenote
8086 \gdef\@bituftesidenote@citations{}% list of cite keys
8087 \newcommand\@bituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
8088   \ifx\@bituftesidenote@citations\@empty\else
8089     \g@addto@macro\@bituftesidenote@citations{,% separate by commas
8090   \fi
8091   \g@addto@macro\@bituftesidenote@citations{#1}
8092 }
8093 \newcommand{\@bituftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
8094   % Snag the last bibentry in the list for later comparison
8095   \let\@temp@last@bibkey\@empty%
8096   \@for\@temp@bibkey:=\@bituftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
8097   \marginpar{%
8098     \hbox{\vspace*{#1}}%
8099     \@bituftesidenote@citation@font%
8100     \@bituftesidenote@citation@justification%
8101     \@bituftesidenote@margin@par% use parindent and parskip settings for marginal text

```



```

8102 \vspace*{-1\baselineskip}%
8103 % Loop through all the bibentries, separating them with semicolons and spaces
8104 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8105 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
8106 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8107 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8108 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8109 \bibentry{\@temp@bibkeyx}}%
8110 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8111 \bibentry{\@temp@bibkeyx};\ }%
8112 \stepcounter{@bidityftesidenote@num@bibkeys}%
8113 }%
8114 }%
8115 }
8116 %%
8117 % \cite behavior when executed within a sidenote
8118 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
8119 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
8120 \@bidityftesidenote@add@citation{#1}
8121 }
8122 %%
8123 % Set the default \cite style. This is set and reset by the \sidenote command.
8124 \let\cite\@bidityftesidenote@normal@cite
8125 \let\LTRcite\@bidityftesidenote@normal@cite
8126 \let\RTLcite\@bidityftesidenote@normal@cite
8127 %%
8128 % Transform existing \footnotes into \sidenotes
8129 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
8130 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional argu
8131 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8132 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8133 % Override footmisc's definition to set the sidenote marks (numbers) inside the
8134 % sidenote's text block.
8135 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote
8136 % Set the in-text footnote mark in the same typeface as the body text itself.
8137 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnote
8138 \providecommand*\@multiplefootnotemark}{3sp}
8139 \providecommand*\@multfootsep}{,}
8140 \bidi@patch@AfterPackage{bidi}{%
8141 \renewcommand{\@footnotemark}{%
8142 \leavevmode%
8143 \ifhmode%
8144 \edef\@x@sf{\the\spacefactor}%
8145 \@bidityftesidenote@check@multiple@sidenotes%
8146 \nobreak%
8147 \fi%
8148 \@makefnmark%
8149 \ifhmode\spacefactor\@x@sf\fi%
8150 \relax%
8151 }%
8152 }
8153 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
8154 \ifdim\lastkern=\@multiplefootnotemark\relax%
8155 \edef\@x@sf{\the\spacefactor}%

```



```

8156 \unkern%
8157 \textsuperscript{\multfootsep}%
8158 \spacefactor\@x@sf\relax%
8159 \fi
8160 }
8161 \bidi@patch@AfterPackage{bidi}{%
8162 \renewcommand\@footnotetext[2][0pt]{%
8163 \bidityftesidenotemarginpar{%
8164 \hbox{}}\vspace*{#1}%
8165 \def\baselinestretch {\setspace@singlespace}%
8166 \reset@font%
8167 \bidi@@footnotetext@font% \reset@font\footnotesize%
8168 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8169 \vspace*{-1\baselineskip}\noindent%
8170 \protected@edef\@currentlabel{%
8171 \csname p@footnote\endcsname\@thefnmark%
8172 }%
8173 \color@begingroup%
8174 \@makefntext{%
8175 \ignorespaces#2%
8176 }%
8177 \color@endgroup%
8178 }%
8179 }%
8180 \renewcommand\@LTRfootnotetext[2][0pt]{%
8181 \LTRbidityftesidenotemarginpar{%
8182 \hbox{}}\vspace*{#1}%
8183 \def\baselinestretch {\setspace@singlespace}%
8184 \reset@font%
8185 \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
8186 \@LTRbidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8187 \vspace*{-1\baselineskip}\noindent%
8188 \protected@edef\@currentlabel{%
8189 \csname p@footnote\endcsname\@thefnmark%
8190 }%
8191 \color@begingroup%
8192 \@makefntext{%
8193 \ignorespaces#2%
8194 }%
8195 \color@endgroup%
8196 }%
8197 }%
8198 \renewcommand\@RTLfootnotetext[2][0pt]{%
8199 \RTLbidityftesidenotemarginpar{%
8200 \hbox{}}\vspace*{#1}%
8201 \def\baselinestretch {\setspace@singlespace}%
8202 \reset@font%
8203 \bidi@@RTLfootnotetext@font% \reset@font\footnotesize%
8204 \@RTLbidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8205 \vspace*{-1\baselineskip}\noindent%
8206 \protected@edef\@currentlabel{%
8207 \csname p@footnote\endcsname\@thefnmark%
8208 }%
8209 \color@begingroup%

```




```

8210      \@makefnintext{%
8211          \ignorespaces#2%
8212      }%
8213      \color@endgroup%
8214  }%
8215 }%
8216 }
8217 %
8218 % Define \sidenote command. Can handle \cite.
8219 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
8220 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
8221 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
8222 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
8223     \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
8224     \gdef\@bidityftesidenote@citations{}%            clear out any old citations
8225     \ifthenelse{\NOT\isempty{#2}}{%
8226         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8227     }{%
8228         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8229     }%
8230     \ifthenelse{\isempty{#1}}{%
8231         % no specific footnote number provided
8232         \stepcounter\@mpfn%
8233         \protected@xdef\@thefnmark{\thempfn}%
8234         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8235     }{%
8236         % specific footnote number provided
8237         \begingroup%
8238             \csname c@\@mpfn\endcsname #1\relax%
8239             \unrestored@protected@xdef\@thefnmark{\thempfn}%
8240         \endgroup%
8241         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8242     }%
8243     \@bidityftesidenote@print@citations%              print any citations
8244     \let\cite\@bidityftesidenote@normal@cite%          go back to using normal in-text \cite comm
8245     \let\LTRcite\@bidityfteLTRsidenote@normal@cite%    go back to using normal in-text \LTR
8246     \let\RTLcite\@bidityfteRTLsidenote@normal@cite%    go back to using normal in-text \RTL
8247     \unskip\ignorespaces%                              remove extra white space
8248     \kern-\multiplefootnotemarker%                    remove \kern left behind by sidenote
8249     \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8250 }
8251 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
8252     \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
8253     \gdef\@bidityftesidenote@citations{}%            clear out any old citations
8254     \ifthenelse{\NOT\isempty{#2}}{%
8255         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8256     }{%
8257         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8258     }%
8259     \ifthenelse{\isempty{#1}}{%
8260         % no specific footnote number provided
8261         \stepcounter\@mpfn%
8262         \protected@xdef\@thefnmark{\thempfn}%
8263         \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%

```



```

8264 }{%
8265   % specific footnote number provided
8266   \begingroup%
8267     \csname c@\@mpfn\endcsname #1\relax%
8268     \unrestored@protected@xdef\@thefnmark{\thempfn}%
8269   \endgroup%
8270   \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8271 }%
8272 \@bidityftesidenote@print@citations%          print any citations
8273 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
8274 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8275 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8276 \unskip\ignorespaces%                          remove extra white space
8277 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
8278 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8279 }
8280 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
8281   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8282   \gdef\@bidityftesidenote@citations{}%         clear out any old citations
8283   \ifthenelse{\NOT\isempty{#2}}{%
8284     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8285   }{%
8286     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8287   }%
8288   \ifthenelse{\isempty{#1}}{%
8289     % no specific footnote number provided
8290     \stepcounter\@mpfn%
8291     \protected@xdef\@thefnmark{\thempfn}%
8292     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8293   }{%
8294     % specific footnote number provided
8295     \begingroup%
8296       \csname c@\@mpfn\endcsname #1\relax%
8297       \unrestored@protected@xdef\@thefnmark{\thempfn}%
8298     \endgroup%
8299     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8300   }%
8301   \@bidityftesidenote@print@citations%          print any citations
8302   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
8303   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8304   \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8305   \unskip\ignorespaces%                          remove extra white space
8306   \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
8307   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8308 }
8309 \newcommand{\sidenote}{\@optparams{\@bidityftesidenote@sidenote}{[] [0pt]}}
8310 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[] [0pt]}}
8311 \newcommand{\RTLSidenote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[] [0pt]}}
8312 \bidi@patch@AfterPackage{bidi}{%
8313   \renewcommand{\footnote}{\@optparams{\@bidityftesidenote@sidenote}{[] [0pt]}}%
8314   \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[] [0pt]}}%
8315   \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[] [0pt]}}%
8316 }
8317 %%

```



```

8318 % Sidenote without the footnote mark
8319 \newcommand\marginnote[2][Opt]{%
8320   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8321   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8322   \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
8323   \@bidityftesidenote@print@citations%             print any citations
8324   \let\cite\@bidityftesidenote@normal@cite%         go back to using normal in-text \cite command
8325   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%   go back to using normal in-text \LTR
8326   \let\RTLcite\@bidityfteRTLsidenote@normal@cite%    go back to using normal in-text \RTL
8327 }
8328 \newcommand\LTRmarginnote[2][Opt]{%
8329   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8330   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8331   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@print@citations%
8332   \@bidityftesidenote@print@citations%             print any citations
8333   \let\cite\@bidityftesidenote@normal@cite%         go back to using normal in-text \cite command
8334   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%   go back to using normal in-text \LTR
8335   \let\RTLcite\@bidityfteRTLsidenote@normal@cite%    go back to using normal in-text \RTL
8336 }
8337 \newcommand\RTLmarginnote[2][Opt]{%
8338   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8339   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8340   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@print@citations%
8341   \@bidityftesidenote@print@citations%             print any citations
8342   \let\cite\@bidityftesidenote@normal@cite%         go back to using normal in-text \cite command
8343   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%   go back to using normal in-text \LTR
8344   \let\RTLcite\@bidityfteRTLsidenote@normal@cite%    go back to using normal in-text \RTL
8345 }

```

55 File bidityftetoc.sty

```

8346 \NeedsTeXFormat{LaTeX2e}
8347 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
8348 bidi implementation of tuftes toc]
8349 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
8350 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
8351 \newcommand{\@bidityftetoc@error}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
8352 %%
8353 % Turn off section numbering
8354 \setcounter{secnumdepth}{-1}
8355 \newboolean{\@bidityftetoc@toc}
8356 \setboolean{\@bidityftetoc@toc}{true}
8357 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}
8358 \DeclareOption{toc}{\setboolean{\@bidityftetoc@toc}{true}}
8359 \ProcessOptions
8360 %%
8361 % Make Tuftian-style section headings and TOC formatting
8362 \bidi@patch@AfterPackage{bidi}{%
8363   \titleformat{\chapter}%
8364     [display]% shape
8365     {\relax\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format
8366     {\itshape\huge\thechapter}% label
8367     {0pt}% horizontal separation between label and title body
8368     {\huge\rmfamily\itshape}% before the title body

```



```

8369 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}]% after the title
8370 \titleformat{\section}%
8371   [hang]% shape
8372   {\normalfont\Large\itshape}% format applied to label+text
8373   {\thesection}% label
8374   {1em}% horizontal separation between label and title body
8375   {}% before the title body
8376   []% after the title body
8377 \titleformat{\subsection}%
8378   [hang]% shape
8379   {\normalfont\large\itshape}% format applied to label+text
8380   {\thesubsection}% label
8381   {1em}% horizontal separation between label and title body
8382   {}% before the title body
8383   []% after the title body
8384 \titleformat{\paragraph}%
8385   [runin]% shape
8386   {\normalfont\itshape}% format applied to label+text
8387   {\theparagraph}% label
8388   {1em}% horizontal separation between label and title body
8389   {}% before the title body
8390   []% after the title body
8391 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
8392 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8393 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
8394 }
8395 % Subsubsection and following section headings shouldn't be used.
8396 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
8397 \renewcommand\subsubsection{%
8398   \biditytetocError{\noexpand\subsubsection is undefined by this class.%
8399     \MessageBreak See Robert Bringhurst's _The Elements of
8400     \MessageBreak Typographic Style_, section 4.2.2.
8401     \MessageBreak \noexpand\subsubsection was used}
8402     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8403     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8404     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8405 }
8406 \renewcommand\subparagraph{%
8407   \biditytetocError{\noexpand\subparagraph is undefined by this class.%
8408     \MessageBreak See Robert Bringhurst's _The Elements of
8409     \MessageBreak Typographic Style_, section 4.2.2.
8410     \MessageBreak \noexpand\subparagraph was used}
8411     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8412     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8413     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8414 }
8415 % Formatting for main TOC (printed in front matter)
8416 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8417 \ifthenelse{\boolean{@biditytetoc@toc}}{%
8418   \bidity@patch@AfterPackage{bidi}{%
8419     \titlecontents{part}% FIXME
8420     [0em] % distance from left margin
8421     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8422     {\contentslabel{2em}} % before w/label (label = ``II'')

```



```

8423     {} % before w/o label
8424     {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
8425     [\end{fullwidth}] % after
8426 \titlecontents{chapter}%
8427     [0em] % distance from left margin
8428     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format)
8429     {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8430     {\hspace*{0em}} % before w/o label
8431     {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
8432     [\end{fullwidth}] % after
8433 \titlecontents{section}% FIXME
8434     [0em] % distance from left margin
8435     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format)
8436     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8437     {\hspace*{2em}} % before w/o label
8438     {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
8439     [\end{fullwidth}] % after
8440 \titlecontents{subsection}% FIXME
8441     [0em] % distance from left margin
8442     {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format)
8443     {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8444     {\hspace*{4em}} % before w/o label
8445     {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
8446     [\end{fullwidth}] % after
8447 \titlecontents{paragraph}% FIXME
8448     [0em] % distance from left margin
8449     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global format)
8450     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8451     {\hspace*{6em}} % before w/o label
8452     {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
8453     [\end{fullwidth}] % after
8454 }%
8455 {}
8456 %%
8457 % Format lists of figures/tables
8458 \renewcommand\listoffigures{%
8459     \@ifundefined{chapter}%
8460     {\section*{\listfigurename}}%
8461     {\chapter*{\listfigurename}}%
8462 % \begin{fullwidth}%
8463     \@starttoc{lof}%
8464 % \end{fullwidth}%
8465 }
8466 \renewcommand\listoftables{%
8467     \@ifundefined{chapter}%
8468     {\section*{\listtablename}}%
8469     {\chapter*{\listtablename}}%
8470 % \begin{fullwidth}%
8471     \@starttoc{lot}%
8472 % \end{fullwidth}%
8473 }
8474 \newcommand{\@bidityfttoc@lof@line}[2]{%
8475     % #1 is the figure/table number and its caption text
8476     % #2 is the page number on which the figure/table appears

```



```

8477 \leftskip 0.0em
8478 \rightskip 0em
8479 \parfillskip 0em plus 1fil
8480 \parindent 0.0em
8481 \@afterindenttrue
8482 \interlinepenalty\@M
8483 \leavevmode
8484 \@tempdima 2.0em
8485 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8486 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
8487 {#1}\nobreak\quad\nobreak#2%
8488 \par%
8489 }
8490 \renewcommand*\l@figure{\@biditytetoc\lof@line}
8491 \let\l@table\l@figure

```

56 File biditytgeneralstructure.sty

```

8492 \NeedsTeXFormat{LaTeX2e}
8493 \ProvidesPackage{biditytgeneralstructure}[2011/06/18 v0.1
8494 bidi implementation of tufte general structure]
8495 \renewcommand\small{%
8496   \@setfontsize\small\@ixpt{12}%
8497   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8498   \abovedisplayshortskip \z@ \@plus2\p@
8499   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
8500   \def\@listi{\leftmargin\leftmargini
8501             \topsep 4\p@ \@plus2\p@ \@minus2\p@
8502             \parsep 2\p@ \@plus\p@ \@minus\p@
8503             \itemsep \parsep}%
8504   \belowdisplayskip \abovedisplayskip
8505 }
8506 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
8507 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
8508 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8509 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
8510 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
8511 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8512 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8513 \setlength\leftmargini {1pc}
8514 \setlength\leftmarginii {1pc}
8515 \setlength\leftmarginiii {1pc}
8516 \setlength\leftmarginiv {1pc}
8517 \setlength\leftmarginv {1pc}
8518 \setlength\leftmarginvi {1pc}
8519 \setlength\labelsep {.5pc}
8520 \setlength\labelwidth {\leftmargini}
8521 \addtolength\labelwidth{-\labelsep}
8522 \setlength{\parindent}{1.0pc}%
8523 \setlength{\parskip}{0pt}%
8524 \RequirePackage{ragged2e}
8525 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
8526 % Paragraph indentation and separation for normal text
8527 \newcommand{\@biditytgeneralstructure@reset@par}{%

```



```

8528 \setlength{\RaggedRightParindent}{1.0pc}%
8529 \setlength{\JustifyingParindent}{1.0pc}%
8530 \setlength{\parindent}{1pc}%
8531 \setlength{\parskip}{Opt}%
8532 }
8533 \@biditytgeneralstructure@reset@par
8534 % Require paralist package for tighter lists
8535 \RequirePackage{paralist}
8536 % Add rightmargin to compactenum
8537 \def\@compactenum@{%
8538 \expandafter\list\csname label\@enumctr\endcsname{%
8539 \usecounter{\@enumctr}%
8540 \rightmargin=2em% added this
8541 \parsep\plparsep
8542 \itemsep\plitemsep
8543 \topsep\pltopsep
8544 \partopsep\plpartopsep
8545 \def\makelabel##1{\hss\llap{##1}}}}
8546 %%
8547 % An environment for paragraph-style section
8548 \providecommand\newthought[1]{%
8549 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8550 \noindent\textbf{#1}%
8551 }
8552 %%
8553 % Redefine the display environments (quote, quotation, etc.)
8554 \renewenvironment{verse}
8555 {\let\\ \@centercr
8556 \list{}{\itemsep \z@
8557 \itemindent -1pc%
8558 \listparindent\itemindent
8559 \rightmargin \leftmargin
8560 \advance\leftmargin 1pc}%
8561 \small%
8562 \item\relax}
8563 {\endlist}
8564 \renewenvironment{quotation}
8565 {\list{}{\listparindent 1pc%
8566 \itemindent \listparindent
8567 \rightmargin \leftmargin
8568 \parsep \z@ \@plus\p@}%
8569 \small%
8570 \item\relax\noindent\ignorespaces}
8571 {\endlist}
8572 \renewenvironment{quote}
8573 {\list{}{\rightmargin\leftmargin}%
8574 \small%
8575 \item\relax}
8576 {\endlist}
8577 % Italicize description run-in headings (instead of the default bold)
8578 \renewcommand*{descriptionlabel}[1]{\hspace\labelsep\normalfont\em #1}
8579 %%
8580 % Redefine \bibsection to not mark the running heads.
8581 % (Code modified from natbib.sty.)

```



```

8582 \@ifundefined{chapter}%
8583   {\renewcommand\bibsection{\section*{\refname}}}
8584   {\@ifundefined{NAT@sectionbib}%
8585     {\renewcommand\bibsection{\chapter{\bibname}}}
8586     {\renewcommand\bibsection{\section*{\bibname}}}}
8587 \RequirePackage{multicol}
8588 \renewenvironment{theindex}{%
8589 \@ifundefined{chapter}%
8590   {\section*{\indexname}}%
8591   {\chapter{\indexname}}%
8592 \begin{fullwidth}%
8593 \small%
8594 \parskip0pt%
8595 \parindent0pt%
8596 \let\item\@idxitem%
8597 \begin{multicols}{3}%
8598 }{%
8599 \end{multicols}%
8600 \end{fullwidth}%
8601 }
8602 \AtBeginDocument{%
8603 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8604 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8605 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
8606 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8607 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

57 File `bidituftehyperref.sty`

```

8608 \NeedsTeXFormat{LaTeX2e}
8609 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
8610 bidi implementation of tufte hyperref]
8611 %%
8612 % Color
8613 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8614 \newboolean{@bidituftehyperref@loadhyper}
8615 \setboolean{@bidituftehyperref@loadhyper}{true}
8616 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
8617 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
8618 \ProcessOptions
8619 %% Loads the hyperref package and sets some default options.
8620 \newcommand{\bidituftehyperrefLoadHyperref}{%
8621 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
8622 \hypersetup{%
8623   bookmarksdepth = section,
8624   citecolor = DarkGreen,
8625   linkcolor = DarkBlue,
8626   pagecolor = DarkBlue,
8627   urlcolor = DarkGreen,
8628 }%
8629 }
8630 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
8631 \bidituftehyperrefLoadHyperref%
8632 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.

```




```

8633 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
8634 }

```

58 File `bidituftetitle.sty`

```

8635 \NeedsTeXFormat{LaTeX2e}
8636 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
8637 bidi implementation of tufte title]
8638 \RequirePackage{biditools}
8639 %%
8640 % 'titlepage' option -- creates a full title page with \maketitle
8641 \newboolean{@bidituftetitle@titlepage}
8642 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
8643 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
8644 % Default 'book' and 'handout' options
8645 \ifclassloaded{book}{%
8646 \ExecuteOptions{titlepage}}{%
8647 \ifclassloaded{article}{%
8648 \ExecuteOptions{notitlepage}}%
8649 {}}
8650 \ProcessOptions
8651 %%
8652 % Modified \title, \author, and \date commands. These store the
8653 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8654 \newcommand{\plaintitle}{}% plain-text-only title
8655 \newcommand{\plainauthor}{}% plain-text-only author
8656 \newcommand{\plainpublisher}{}% plain-text-only publisher
8657 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8658 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
8659 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8660 \newcommand{\@publisher}{}% full publisher with \thanks{}
8661 \newcommand{\thedata}{\today}
8662 \bidi@patch@AfterPackage{bidi}{%
8663 \renewcommand{\thanks}[1]{\footnote{#1}}
8664 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8665 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8666 }
8667 \renewcommand{\title}[2][]{%
8668 \gdef{@title{#2}}%
8669 \begingroup%
8670 % TODO store contents of \thanks command
8671 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8672 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8673 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8674 \protected@xdef\thanklesstitle{#2}%
8675 \endgroup%
8676 \ifthenelse{\isempty{#1}}%
8677 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8678 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
8679 \@ifundefined{hypersetup}%
8680 {}% hyperref is not loaded; do nothing
8681 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8682 }
8683 \let\@author\@empty% suppress default latex.ltx ``no author'' warning

```



```

8684 \renewcommand{\author}[2][]{%
8685   \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
8686   \begingroup%
8687     % TODO store contents of \thanks command
8688     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8689     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8690     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8691     \protected@xdef\thanklessauthor{#2}%
8692   \endgroup%
8693   \ifthenelse{\isempty{#1}}%
8694     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8695     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
8696   \ifundefined{hypersetup}%
8697     {}% hyperref is not loaded; do nothing
8698     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8699 }
8700 \renewcommand{\date}[1]{%
8701   \gdef\@date{#1}%
8702   \begingroup%
8703     % TODO store contents of \thanks command
8704     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8705     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8706     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8707     \protected@xdef\thedata{#1}%
8708   \endgroup%
8709 }
8710 %%
8711 % Provides a \publisher command to set the publisher
8712 \newcommand{\publisher}[2][]{%
8713   \gdef\@publisher{#2}%
8714   \begingroup%
8715     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8716     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8717     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8718     \protected@xdef\thanklesspublisher{#2}%
8719   \endgroup%
8720   \ifthenelse{\isempty{#1}}
8721     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8722     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8723 }
8724 %%
8725 % Produces a full title page
8726 \newcommand{\maketitlepage}[0]{%
8727   \cleardoublepage%
8728   {%
8729     \bfseries%
8730     \begin{fullwidth}%
8731       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8732       \vspace{11.5pc}%
8733       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8734       \vfill%
8735       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8736     \end{fullwidth}%
8737   }

```



```

8738 \thispagestyle{empty}%
8739 \clearpage%
8740 }
8741 %%
8742 % Title block
8743 \bidi@AfterEndPreamble{%
8744 \renewcommand{\maketitle}{%
8745 \newpage%
8746 \global\@topnum\z@% prevent floats from being placed at the top of the page
8747 \begingroup%
8748 \setlength{\parindent}{0pt}%
8749 \setlength{\parskip}{4pt}%
8750 \let\@title\@empty%
8751 \let\@author\@empty%
8752 \let\@date\@empty%
8753 \gdef\@title{\LARGE\itshape\@title\par}%
8754 \gdef\@author{\Large\itshape\@author\par}%
8755 \gdef\@date{\Large\itshape\@date\par}%
8756 \@title%
8757 \@author%
8758 \@date%
8759 \endgroup%
8760 \thispagestyle{plain}% suppress the running head
8761 }%
8762 }
8763 %%
8764 % Title page (if the 'titlepage' option was passed to the bidentufte-handout
8765 % class.)
8766 \bidi@AfterEndPreamble{%
8767 \ifthenelse{\boolean{@bidentufte@titlepage}}{
8768 {\renewcommand{\maketitle}{\maketitlepage}}
8769 {}
8770 }
8771 %%
8772 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8773 % without headers and footers
8774 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8775 \hbox{}
8776 %\vspace*{\fill}
8777 %\begin{center}
8778 % This page intentionally contains only this sentence.
8779 %\end{center}
8780 %\vspace{\fill}
8781 \thispagestyle{empty}
8782 \newpage
8783 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

59 File bidentufte-handout.cls

```

8784 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8785 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
8786 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8787 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
8788 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}

```



```

8789 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytethehyperref}}
8790 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytettetitle}}
8791 \ProcessOptions\relax
8792 \LoadClass{article}
8793 \RequirePackage{biditytethefloat}
8794 \RequirePackage{biditytettesidenote}
8795 \RequirePackage{biditytettetoc}
8796 \RequirePackage{biditytethegeneralstructure}
8797 \RequirePackage{biditytethehyperref}
8798 \RequirePackage{biditytettetitle}
8799 \renewenvironment{abstract}
8800 { \begin{quotation} }
8801 { \end{quotation} }
8802 \AtBeginDocument{%
8803 \IfFileExists{biditytethe-handout.cfg}
8804 { \input{biditytethe-handout.cfg}
8805 \ClassInfo{biditytethe-handout}{Loading biditytethe-handout configuration file \@gobble}}
8806 {}%
8807 }

```

60 File biditytethe-book.cls

```

8808 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8809 \ProvidesClass{biditytethe-book}[2011/06/18 v0.1 biditytethe-book class]
8810 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8811 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytethefloat}}
8812 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytettetoc}}
8813 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytethehyperref}}
8814 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytettetitle}}
8815 \ProcessOptions\relax
8816 \LoadClass{book}
8817 \RequirePackage{biditytethefloat}
8818 \RequirePackage{biditytettesidenote}
8819 \RequirePackage{biditytettetoc}
8820 \RequirePackage{biditytethegeneralstructure}
8821 \RequirePackage{biditytethehyperref}
8822 \RequirePackage{biditytettetitle}
8823 %%
8824 % Set up any book-specific stuff now
8825 %%
8826 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8827 % to the opening page of Chapter 1. The running heads, when they appear,
8828 % contain only the (arabic) page number in the outside corner.
8829 %\newif\if@mainmatter \@mainmattertrue
8830 \renewcommand\frontmatter{%
8831 \cleardoublepage%
8832 \@mainmatterfalse%
8833 \pagenumbering{arabic}%
8834 %\pagestyle{plain}%
8835 \fancyhf{}%
8836 \ifthenelse{\boolean{@biditytethefloat@twoside}}{%
8837 {\fancyhead[LE,RO]{\thepage}}%
8838 {\fancyhead[RE,RO]{\thepage}}%
8839 }

```



```

8840 %%
8841 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8842 % numbering---it continues where it left off in the front matter.
8843 \renewcommand\mainmatter{%
8844   \cleardoublepage%
8845   \@mainmattertrue%
8846   \fancyhf{}%
8847   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
8848     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
8849     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8850     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
8851     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
8852 }
8853 %%
8854 % The back matter contains appendices, indices, glossaries, endnotes,
8855 % bibliographies, list of contributors, illustration credits, etc.
8856 \renewcommand\backmatter{%
8857   \if@openright%
8858     \cleardoublepage%
8859   \else%
8860     \clearpage%
8861   \fi%
8862   \@mainmatterfalse%
8863 }
8864 %%
8865 % Only show the chapter titles in the table of contents
8866 \setcounter{tocdepth}{0}
8867 \AtBeginDocument{%
8868   \IfFileExists{biditufte-book.cfg}
8869   {\input{biditufte-book.cfg}
8870    \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
8871   {}%
8872 }

```

61 File bidipoem.sty

```

8873 \NeedsTeXFormat{LaTeX2e}
8874 \ProvidesPackage{bidipoem}%
8875 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8876
8877 % Usage:
8878 %
8879 % \Setversedim #1#2 % define the layout (within a group):
8880 % #1 = length of both half-verses
8881 % #2 = separation distance = length of a connection, if present
8882 % Variant:
8883 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8884 % #1 = length of first (=right) half-verse
8885 % #2 = length of second (=left) half-verse
8886 % #3 = separation distance = length of a connection, if present
8887 %
8888 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8889 % #1 = text of first (=right) half-verse
8890 % #2 = text of second (=left) half-verse

```



```

8891 % Variant:
8892 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8893 % #1 = text of first (=right) half-verse
8894 % #2 = text of connection
8895 % #3 = text of second (=left) half-verse
8896 %
8897 % Alternative (if preferred):
8898 %
8899 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8900
8901
8902 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1[#2]}
8903
8904 % define the layout, verses will be centered
8905
8906 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8907 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
8908
8909 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
8910 \bidipoem@hvind \textwidth
8911 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8912 \ifx [#2]\def \bidipoem@next {\bidipoem@set@verseI []}\else
8913 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
8914
8915 \def \bidipoem@set@verseI [#1]{% optional parameter
8916 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
8917
8918 \newcommand*{\bidipoem@set@@verse}[1]{% separation
8919 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
8920 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8921
8922 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8923 \ifdim Opt > \bidipoem@hvind %
8924 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
8925 \else
8926 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8927 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8928 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
8929 \par }
8930
8931 % macro for two half verses
8932 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
8933 \ifx [#2]\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]}%
8934 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
8935 \bidipoem@half@verses@next}
8936
8937 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
8938 \traditionalconnverses {#1}{#2}{#3}}
8939
8940
8941 {\catcode\^^M=\active % these lines must end with %
8942 \gdef \traditionalpoem@obeylines {\catcode\^^M=\active \let^^M \traditionalpoem@par}%
8943 \global \let^^M \traditionalpoem@par } % this is in case ^^M appears in a \write
8944 {\catcode\^^M=\active % these lines must end with %

```



```

8945 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
8946 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
8947 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
8948 \def\poemmarginskip{1em plus 1fil minus 1em}
8949 \def\poemextrabaselineskip{0\baselineskip}
8950 \def\poemskip{\medskip}
8951 \newcommand{\bidipoem@openbox}{\leavevmode
8952 \hbox to.77778em{%
8953 \hfil\vrule
8954 \vbox to.675em{\hrule width.6em\vfil\hrule}%
8955 \vrule\hfil}}
8956 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
8957 \newdimen\versewidth
8958 \newtoks\bidipoem@p@ftn
8959 \def\poem@verse#1{%
8960 \ifdim\wd#1>\new@poem@width
8961 \xdef\new@poem@width{\the\wd#1}%
8962 \ifdim\new@poem@width>\poem@width
8963 \xdef\poem@width{\new@poem@width}%
8964 \global\let\poem@needrun\relax
8965 \fi
8966 \fi
8967 \hbox to\poem@width{\unhbox#1}%
8968 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
8969 }
8970 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginskip\relax}
8971 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
8972 \def\poem@lineversesep{%
8973 \nobreak
8974 \hskip\z@ plus 1filll%
8975 \penalty600%
8976 \hskip\poemcolsepskip
8977 \hskip\z@ plus -2filll%
8978 \vadjust{}}%
8979 \nobreak
8980 \hskip\z@ plus 1filll%
8981 }
8982 \def\poem@lineparsebegin{%
8983 \halign\bgroup
8984 \global\setbox\verse@i=\hbox{%
8985 \let\@footnotetext\bidipoem@p@ftntext%
8986 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8987 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8988 \let\@xfootnotenext\bidipoem@p@xftntext%
8989 \let\@xfootnote\bidipoem@p@xfootnote%
8990 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8991 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8992 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8993 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8994 \ignorespaces##\unskip}&&
8995 \global\setbox\verse@ii=\hbox{%
8996 \let\@footnotetext\bidipoem@p@ftntext%
8997 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8998 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%

```



```

8999 \let\@xfootnotenext\bidipoem@p@xftntext%
9000 \let\@xfootnote\bidipoem@p@xfootnote%
9001 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9002 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9003 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9004 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9005 \ignorespaces##\unskip}
9006 \cr
9007 }
9008 \def\poem@lineparseend{%
9009 \crcr\egroup
9010 \vskip-\baselineskip
9011 }
9012 \def\traditionalpoem@cr{%
9013   \cr\poem@line
9014 }
9015 \newbox\verse@i
9016 \newbox\verse@ii
9017 \newif\ifpoem@started
9018
9019 \def\poem@line{%
9020 \poem@lineparseend
9021 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
9022 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
9023 \ifpoem@started
9024   \ifdim\wd\verse@ii>\z@\else
9025     \nopagebreak[3]
9026     \fi
9027     \leavevmode
9028     \poem@linebegin
9029     \poem@verse\verse@i
9030     \ifdim\wd\verse@ii>\z@
9031       \poem@lineversesep
9032       \poem@verse\verse@ii
9033       \fi
9034     \poem@lineend
9035 %   \nopagebreak
9036     \par
9037     \vskip\poemextrabaselineskip
9038 \fi
9039 \poem@lineparsebegin
9040 }
9041 \def\@traditionalpoem{%
9042 \stepcounter{poem@no}
9043   \ifnum\max@poem@no<\number\c@poem@no%
9044 \xdef\poem@width{\z@}%
9045   \else
9046 \xdef\poem@width{\poem@prop{poem@width}}%
9047 \fi
9048 \xdef\new@poem@width{\z@}%
9049 \global\versewidth=\poem@width
9050 \poemskip\par
9051 \begingroup
9052 \tabskip=\z@

```




```

9053 \parskip=\z@
9054 \parindent=\z@
9055 \parfillskip=\z@
9056 \rightskip=\z@
9057 \leftskip=\z@
9058 \widowpenalty=10000% No break between verses of the same line.
9059 \clubpenalty=10000% Same as above. Not really needed.
9060 \def\newblock{\hfil\poemblocksep\hfil\null}%
9061 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
9062 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
9063 \global\poem@startedfalse
9064 \csname poem@obeylines\endcsname
9065 \let\poem@obeylines\relax
9066 \poem@lineparsebegin
9067 }
9068 \def\@endtraditionalpoem{%
9069 \cr
9070 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
9071 \noalign{%
9072 \skip0=\poemextrabaseskip
9073 \vskip-\skip0
9074 \vskip-\baseskip
9075 }%
9076 \fi\fi
9077 \poem@lineparseend
9078 \endgroup
9079 \par
9080 \vskip\baseskip
9081 \poemskip
9082 \ifdim\new@poem@width<\poem@width
9083 \global\let\poem@needrun\relax
9084 \fi
9085 \poem@write@aux{\poem@width@romannumeral\c@poem@no}{\new@poem@width}%
9086 \ifx\AtEndDocument\undefined\poem@finish\fi
9087 \@endparenv
9088 }
9089
9090
9091 \long\def\bidipoem@p@ftntext#1{%
9092 \edef\@temp{the\bidipoem@p@ftn\noexpand\footnotetext[the\csname c@\mpfn\endcsname]}%
9093 \global\bidipoem@p@ftn\expandafter{\@temp{#1}}}%
9094 \long\def\bidipoem@p@LTRftntext#1{%
9095 \edef\@tempxi{the\bidipoem@p@ftn\noexpand\LTRfootnotetext[the\csname c@\mpfn\endcsname]}%
9096 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
9097 \long\def\bidipoem@p@RTLftntext#1{%
9098 \edef\@tempxii{the\bidipoem@p@ftn\noexpand\RTLfootnotetext[the\csname c@\mpfn\endcsname]}%
9099 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
9100
9101 \long\def\bidipoem@p@xftntext[#1]#2{%
9102 \global\bidipoem@p@ftn\expandafter{the\bidipoem@p@ftn\footnotetext[#1]{#2}}}%
9103
9104 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
9105 \global\bidipoem@p@ftn\expandafter{the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}%
9106

```



```

9107 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
9108   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}
9109
9110 \def\bidipoem@p@xfootnote[#1]{%
9111   \begingroup
9112     \csname c@\@mpfn\endcsname #1\relax
9113     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9114   \endgroup
9115   \@footnotemark\bidipoem@p@xftntext[#1]}
9116
9117 \def\bidipoem@p@xLTRfootnote[#1]{%
9118   \begingroup
9119     \csname c@\@mpfn\endcsname #1\relax
9120     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9121   \endgroup
9122   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
9123
9124 \def\bidipoem@p@xRTLfootnote[#1]{%
9125   \begingroup
9126     \csname c@\@mpfn\endcsname #1\relax
9127     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9128   \endgroup
9129   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
9130
9131
9132
9133 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
9134 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey
9135 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
9136 \def\poem@finish{%
9137 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
9138 \ifx\poem@needrun\relax
9139 \PackageWarning{bidipoem}{Unjustified poem.  Rerun TeX to get poem right}%
9140 \global\let\poem@needrun\undefined
9141 \fi
9142 }
9143 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
9144 \newcounter{poem@no}\setcounter{poem@no}{\z@}
9145 \ifx\max@poem@no\undefined
9146   \def\max@poem@no{0}%
9147 \fi
9148 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
9149 \newcommand{\poem@write@aux}[2]{%
9150   \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
9151   \@x
9152 }
9153 \def\@modernpoem{%
9154 \par
9155 \begingroup
9156 \parskip=\z@
9157 \parindent=\z@
9158 \def\[{ \@settab\@tabplus\ignorespaces}%
9159 \def\]{ \@tabminus\ignorespaces}%
9160 \def\newblock{\poemblocksep}%

```



```

9161 \let\newpoem@tabcr\@tabcr
9162 \def\modernpoem@par{% Redefine \par for possible \obeylines
9163   \ifpoem@started\else
9164     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9165       \@stopfield
9166     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9167     \@contfield
9168   \fi
9169 \fi
9170 \ifpoem@started\newpoem@tabcr\fi}%
9171 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
9172 \global\poem@startedfalse
9173 \csname poem@obeylines\endcsname
9174 \let\poem@obeylines\relax
9175 \begin{tabbing}%
9176 }
9177 \def\@endmodernpoem{%
9178 \global\poem@startedfalse
9179 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9180   \@stopfield
9181   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9182   \@contfield
9183 \fi
9184 \ifpoem@started\else\let\@stopline\@stopfield\fi
9185 \end{tabbing}%
9186 \endgroup
9187 \par
9188 \if@nparlist \else
9189   \ifdim\lastskip >\z@
9190     \@tempskipa\lastskip \vskip -\lastskip
9191     \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
9192     \vskip\@tempskipa
9193   \fi
9194   \@endparenv
9195 \fi
9196 }
9197 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9198 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
9199 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9200 \gdef\@startfield{%
9201 \global\setbox\@curfield\hbox\bgroup%
9202 \let\@footnotetext\bidipoem@p@ftntext%
9203 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9204 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9205 \let\@xfootnotenext\bidipoem@p@xftntext%
9206 \let\@xfootnote\bidipoem@p@xfootnote%
9207 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9208 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9209 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9210 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9211 \color@begingroup}
9212 \gdef\@stopfield{%
9213   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
9214 \gdef\@contfield{%

```



```

9215 \global\setbox\@curfield\hbox\bgroup%
9216 \let\@footnotetext\bidipoem@p@ftntext%
9217 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9218 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9219 \let\@xfootnotenext\bidipoem@p@xftntext%
9220 \let\@xfootnote\bidipoem@p@xfootnote%
9221 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9222 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9223 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9224 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9225 \color@begingroup\unhbox\@curfield}

```

62 File boek3-xetex-bidi.def

```

9226 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeT
9227 \renewenvironment{theindex}{%
9228   \if@twocolumn
9229     \@restonecolfalse
9230   \else
9231     \@restonecoltrue
9232   \fi
9233   \columnseprule \z@
9234   \columnsep 35\p@
9235   \twocolumn[\@makeschapterhead{\indexname}]%
9236   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9237   \thispagestyle{plain}\parindent\z@
9238   \parskip\z@ \@plus .3\p@\relax
9239   \let\item\@idxitem
9240 }{%
9241   \if@restonecol\onecolumn\else\clearpage\fi}
9242 \renewcommand*\head@style{%
9243   \interlinepenalty \@M
9244   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9245   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9246 \renewcommand*\@regtocline[3]{%
9247   \ifnum #1>\c@tocdepth
9248   \else
9249     \vskip\z@\@plus.2\p@
9250     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9251       \if@RTL\rightskip\else\leftskip\fi\unitindent
9252       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9253       \parfillskip\z@
9254       \@tempdima\unitindent
9255       \parindent\z@
9256       \leavevmode
9257       \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9258       \hskip 1em \nobreak{\slshape #3}\par
9259     }%
9260   \fi}
9261 \if@oldtoc
9262 \renewcommand*\l@part[2]{%
9263   \ifnum \c@tocdepth >-2\relax
9264     \addpenalty{-\@highpenalty}%
9265     \addvspace{2.25em \@plus\p@}%

```



```

9266 \begingroup
9267 \setlength\@tempdima{3em}%
9268 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9269 \parfillskip -\@pnumwidth
9270 {\leavevmode
9271 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9272 \nobreak
9273 \global\@nobreaktrue
9274 \everypar{\global\@nobreakfalse\everypar{}}%
9275 \endgroup
9276 \fi}
9277 \else
9278 \renewcommand*\l@part{%
9279 \ifnum \c@tocdepth >-2\relax
9280 \addpenalty{-\@highpenalty}%
9281 \addvspace{2.25em \@plus \p@}%
9282 \@regtocline{0}%
9283 \fi}
9284 \fi
9285 \if@oldtoc
9286 \renewcommand*\l@chapter[2]{%
9287 \addpenalty{-\@highpenalty}%
9288 \vskip 1.0em \@plus \p@
9289 \setlength\@tempdima{1.5em}%
9290 \begingroup
9291 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9292 \parfillskip -\@pnumwidth
9293 \leavevmode \bfseries
9294 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9295 \hskip -\if@RTL\rightskip\else\leftskip\fi
9296 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9297 \penalty\@highpenalty
9298 \endgroup}
9299 \else
9300 \renewcommand*\l@chapter{\@regtocline{0}}
9301 \fi
9302 \renewenvironment{abstract}{%
9303 \titlepage
9304 \null\vfil
9305 \section*\SectFont \abstractname}
9306 \noindent\ignorespaces}
9307 {\par\vfil\null\endtitlepage}
9308 \renewenvironment{thebibliography}[1]
9309 {\chapter*\bibname}%
9310 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9311 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9312 \bidi@thebibliography@font@hook%
9313 \list{\@biblabel{\@arabic\c@enumiv}}%
9314 {\settowidth\labelwidth{\@biblabel{#1}}%
9315 \leftmargin\labelwidth
9316 \advance\leftmargin\labelsep
9317 \@openbib@code
9318 \usecounter{enumiv}%
9319 \let\p@enumiv\@empty

```



```

9320         \renewcommand*\theenumiv{\@arabic\c@enumiv}}}%
9321         \sloppy\clubpenalty4000\widowpenalty4000%
9322         \sfcode`\.\@m}
9323     {\def\@noitemerr
9324       {\@latex@warning{Empty `thebibliography' environment}}}%
9325     \endlist}
9326 \renewcommand*\left@footnoterule{%
9327   \kern-3\p@
9328   \kern.5\baselineskip
9329   \hrule\@width\unitindent
9330   \kern.4\baselineskip
9331 }
9332 \renewcommand*\right@footnoterule{%
9333   \kern-3\p@
9334   \kern.5\baselineskip
9335   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9336   \kern.4\baselineskip}
9337 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9338 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9339 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9340 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9341 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9342 \renewcommand*\theequation{%
9343   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9344 \renewcommand*\thefigure{%
9345   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9346 \renewcommand*\thetable{%
9347   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9348 \renewcommand*\maketitle{%
9349   \begin{titlepage}%
9350     \let\footnotesize\small
9351     \let\right@footnoterule\relax
9352     \let\left@footnoterule\relax
9353     \let\textwidth\footnoterule\relax
9354     \let \footnote \thanks
9355     \long\def\@makefnmark##1{\parindent\z@
9356       \def\labelitemi{\textendash}\@revlabeltrue
9357       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9358     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9359     \if@compatibility\setcounter{page}{0}\fi
9360     \null\vfil
9361     \vskip 60\p@
9362     \begin{center}%
9363       \TitleFont
9364       {\LARGE \def\\{\penalty -\@M}
9365         \if@allcaps
9366           \expandafter\uc@nothanks\@title\thanks\relax
9367         \else
9368           \@title
9369           \fi\par}%
9370     \vskip 3em%
9371     {\large
9372       \lineskip .75em \parindent\z@
9373       \begin{tabular}[t]{c}%

```



```

9374         \if@allcaps
9375             \expandafter\uc@authornothanks\@author\and\relax
9376         \else
9377             \@author
9378         \fi
9379     \end{tabular}\par}%
9380     \vskip 1.5em%
9381     {\large
9382         \if@allcaps
9383             \uppercase\expandafter{\@date}%
9384         \else
9385             \@date
9386         \fi\par}%
9387     \end{center}\par
9388     \@thanks
9389     \vfil\null
9390 \end{titlepage}%
9391 \setcounter{footnote}{0}%
9392 \global\let\thanks\relax
9393 \global\let\maketitle\relax
9394 \global\let\@thanks\@empty
9395 \global\let\@author\@empty
9396 \global\let\@title\@empty
9397 \global\let\@date\@empty
9398 \global\let\title\relax
9399 \global\let\author\relax
9400 \global\let\date\relax
9401 \global\let\and\relax
9402 }

```

63 File boek-xetex-bidi.def

```

9403 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
9404 \renewenvironment{theindex}{%
9405     \if@twocolumn
9406         \@restonecolfalse
9407     \else
9408         \@restonecoltrue
9409     \fi
9410     \columnseprule \z@
9411     \columnsep 35\p@
9412     \twocolumn[\@makeschapterhead{\indexname}]%
9413     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9414     \thispagestyle{plain}\parindent\z@
9415     \parskip\z@ \@plus .3\p@\relax
9416     \let\item\@idxitem
9417 }{%
9418     \if@restonecol\onecolumn\else\clearpage\fi}
9419 \renewcommand*\head@style{%
9420     \interlinepenalty \@M
9421     \hyphenpenalty=\@M \exhyphenpenalty=\@M
9422     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9423 \renewcommand*\@regtocline[3]{%
9424     \ifnum #1>\c@tocdepth

```



```

9425 \else
9426 \vskip\z@\@plus.2\p@
9427 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9428 \if@RTL\righskip\else\leftskip\fi\unitindent
9429 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
9430 \parfillskip\z@
9431 \@tempdima\unitindent
9432 \parindent\z@
9433 \leavevmode
9434 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
9435 \hskip 1em \nobreak{\slshape #3}\par
9436 }%
9437 \fi}
9438 \if@oldtoc
9439 \renewcommand*\l@part[2]{%
9440 \ifnum \c@tocdepth >-2\relax
9441 \addpenalty{-\@highpenalty}%
9442 \addvspace{2.25em \@plus\p@}%
9443 \begingroup
9444 \setlength\@tempdima{3em}%
9445 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
9446 \parfillskip -\@pnumwidth
9447 {\leavevmode
9448 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9449 \nobreak
9450 \global\@nobreaktrue
9451 \everypar{\global\@nobreakfalse\everypar{}}%
9452 \endgroup
9453 \fi}
9454 \else
9455 \renewcommand*\l@part{%
9456 \ifnum \c@tocdepth >-2\relax
9457 \addpenalty{-\@highpenalty}%
9458 \addvspace{2.25em \@plus \p@}%
9459 \@regtocline{0}%
9460 \fi}
9461 \fi
9462 \if@oldtoc
9463 \renewcommand*\l@chapter[2]{%
9464 \addpenalty{-\@highpenalty}%
9465 \vskip 1.0em \@plus\p@
9466 \setlength\@tempdima{1.5em}%
9467 \begingroup
9468 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
9469 \parfillskip -\@pnumwidth
9470 \leavevmode \bfseries
9471 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
9472 \hskip -\if@RTL\righskip\else\leftskip\fi
9473 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9474 \penalty\@highpenalty
9475 \endgroup}
9476 \else
9477 \renewcommand*\l@chapter{\@regtocline{0}}
9478 \fi

```




```

9479 \renewcommand*\left@footnoterule{%
9480   \kern-3\p@
9481   \kern.5\baselineskip
9482   \hrule\@width\unitindent
9483   \kern.4\baselineskip
9484 }
9485 \renewcommand*\right@footnoterule{%
9486   \kern-3\p@
9487   \kern.5\baselineskip
9488   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9489   \kern.4\baselineskip}
9490 \renewenvironment{abstract}{%
9491   \titlepage
9492   \null\vfil
9493   \section*{\SectFont \abstractname}
9494   \noindent\ignorespaces}
9495   {\par\vfil\null\endtitlepage}
9496 \renewenvironment{thebibliography}[1]
9497   {\chapter*{\bibname}%
9498     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9499     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9500     \bidi@thebibliography@font@hook%
9501     \list{\@biblabel{\@arabic\c@enumiv}}{%
9502       {\settowidth\labelwidth{\@biblabel{#1}}%
9503         \leftmargin\labelwidth
9504         \advance\leftmargin\labelsep
9505         \@openbib@code
9506         \usecounter{enumiv}%
9507         \let\p@enumiv\@empty
9508         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9509     \sloppy\clubpenalty4000\widowpenalty4000%
9510     \sfcode\.\@m}
9511   {\def\@noitemerr
9512     {\@latex@warning{Empty `thebibliography' environment}}}%
9513   \endlist}
9514 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9515 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9516 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9517 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9518 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9519 \renewcommand*\theequation{%
9520   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9521 \renewcommand*\thefigure{%
9522   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
9523 \renewcommand*\thetable{%
9524   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
9525 \renewcommand*\maketitle{%
9526   \begin{titlepage}%
9527     \let\footnotesize\small
9528     \let\right@footnoterule\relax
9529     \let\left@footnoterule\relax
9530     \let\textwidth\footnoterule\relax
9531     \let \footnote \thanks
9532     \long\def\@makefntext##1{\parindent\z@

```



```

9533         \def\labelitemi{\textendash}\@revlabeltrue
9534         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9535     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9536     \if@compatibility\setcounter{page}{0}\fi
9537     \null\vfil
9538     \vskip 60\p@
9539     \begin{center}%
9540         \TitleFont
9541         {\LARGE \def\\{\penalty -\@M}
9542         \if@allcaps
9543             \expandafter\uc@nothanks\@title\thanks\relax
9544         \else
9545             \@title
9546             \fi\par}%
9547     \vskip 3em%
9548     {\large
9549         \lineskip .75em \parindent\z@
9550         \begin{tabular}[t]{c}%
9551             \if@allcaps
9552                 \expandafter\uc@authornothanks\@author\and\relax
9553             \else
9554                 \@author
9555             \fi
9556         \end{tabular}\par}%
9557     \vskip 1.5em%
9558     {\large
9559         \if@allcaps
9560             \uppercase\expandafter{\@date}%
9561         \else
9562             \@date
9563         \fi\par}%
9564     \end{center}\par
9565     \@thanks
9566     \vfil\null
9567 \end{titlepage}%
9568 \setcounter{footnote}{0}%
9569 \global\let\thanks\relax
9570 \global\let\maketitle\relax
9571 \global\let\@thanks\@empty
9572 \global\let\@author\@empty
9573 \global\let\@title\@empty
9574 \global\let\@date\@empty
9575 \global\let\title\relax
9576 \global\let\author\relax
9577 \global\let\date\relax
9578 \global\let\and\relax
9579 }

```

64 File `bookest-xetex-bidi.def`

```

9580 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
9581 \def\@makechapterhead#1{%
9582     \vspace*{20\p@}
9583     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont

```



```

9584 \ifnum \c@secnumdepth >\m@ne
9585 \if@mainmatter
9586 {\colorA\huge\scshape \@chapapp\space \thechapter}
9587 \par\nobreak
9588 \vskip 10\p@
9589 \fi
9590 \fi
9591 \interlinepenalty\@M
9592 {\colorB\hrule}
9593 \vskip 15\p@
9594 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9595 {\colorA\Huge \bfseries #1}\par\nobreak
9596 \if@RTL\end{flushleft}\else\end{flushright}\fi
9597 \vskip 5\p@
9598 {\colorB\hrule}
9599 \vskip 30\p@
9600 }}
9601 \def\@makeschapterhead#1{%
9602 \vspace*{20\p@}
9603 {\parindent \z@ \raggedright \normalfont
9604 {\colorB\hrule}
9605 \vskip 15\p@
9606 \begin{center}
9607 {\colorA\Huge \bfseries #1}\par\nobreak
9608 \end{center}
9609 \vskip 5\p@
9610 {\colorB\hrule}
9611 \vskip 30\p@
9612 }}

```

65 File book-xetex-bidi.def

```

9613 \ProvidesFile{book-xetex-bidi.def}[2025/09/04 v1.3 bidi adaptations for standard book class]
9614 \renewenvironment{theindex}
9615 {\if@twocolumn
9616 \@restonecolfalse
9617 \else
9618 \@restonecoltrue
9619 \fi
9620 \columnseprule \z@
9621 \columnsep 35\p@
9622 \twocolumn[\@makeschapterhead{\indexname}]%
9623 \@mkboth{\MakeUppercase\indexname}%
9624 {\MakeUppercase\indexname}%
9625 \thispagestyle{plain}\parindent\z@
9626 \parskip\z@ \@plus .3\p@\relax
9627 \let\item\@idxitem}
9628 {\if@restonecol\onecolumn\else\clearpage\fi}
9629 \IfClassLoadedF{bookest}{%
9630 \if@titlepage
9631 \renewcommand\maketitle{\begin{titlepage}%
9632 \let\footnotesize\small
9633 \let\right@footnoterule\relax
9634 \let\left@footnoterule\relax

```



```

9635 \let\textwidth@footnoterule\relax
9636 \let \footnote \thanks
9637 \let \LTRfootnote \LTRthanks
9638 \let \RTLfootnote \RTLthanks
9639 \null\vfil
9640 \vskip 60\p@
9641 \begin{center}%
9642   {\LARGE \@title \par}%
9643   \vskip 3em%
9644   {\large
9645     \lineskip .75em%
9646     \begin{tabular}[t]{c}%
9647       \@author
9648     \end{tabular}\par}%
9649     \vskip 1.5em%
9650     {\large \@date \par}%           % Set date in \large size.
9651 \end{center}\par
9652 \@thanks
9653 \vfil\null
9654 \end{titlepage}%
9655 \setcounter{footnote}{0}%
9656 \global\let\thanks\relax
9657 \global\let\LTRthanks\relax
9658 \global\let\RTLthanks\relax
9659 \global\let\maketitle\relax
9660 \global\let\@thanks\@empty
9661 \global\let\@author\@empty
9662 \global\let\@date\@empty
9663 \global\let\@title\@empty
9664 \global\let\title\relax
9665 \global\let\author\relax
9666 \global\let\date\relax
9667 \global\let\and\relax
9668 }
9669 \else
9670 \renewcommand\maketitle{\par
9671   \begingroup
9672     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9673     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9674     \long\def\@makefntext#1{\parindent 1em\noindent
9675       \hb@xt@1.8em{%
9676         \hss\@textsuperscript{\normalfont\@thefnmark}}\##1}%
9677     \if@twocolumn
9678       \ifnum \col@number=\@ne
9679         \@maketitle
9680       \else
9681         \twocolumn[\@maketitle]%
9682       \fi
9683     \else
9684       \newpage
9685       \global\@topnum\z@ % Prevents figures from going at top of page.
9686       \@maketitle
9687     \fi
9688     \thispagestyle{plain}\@thanks

```



```

9689 \endgroup
9690 \setcounter{footnote}{0}%
9691 \global\let\thanks\relax
9692 \global\let\LTRthanks\relax
9693 \global\let\RTLthanks\relax
9694 \global\let\maketitle\relax
9695 \global\let\@maketitle\relax
9696 \global\let\@thanks\@empty
9697 \global\let\@author\@empty
9698 \global\let\@date\@empty
9699 \global\let\@title\@empty
9700 \global\let\title\relax
9701 \global\let\author\relax
9702 \global\let\date\relax
9703 \global\let\and\relax
9704 }
9705 \def\@maketitle{%
9706 \newpage
9707 \null
9708 \vskip 2em%
9709 \begin{center}%
9710 \let \footnote \thanks
9711 \let \LTRfootnote \LTRthanks
9712 \let \RTLfootnote \RTLthanks
9713 {\LARGE \@title \par}%
9714 \vskip 1.5em%
9715 {\large
9716 \lineskip .5em%
9717 \begin{tabular}[t]{c}%
9718 \@author
9719 \end{tabular}\par}%
9720 \vskip 1em%
9721 {\large \@date}%
9722 \end{center}%
9723 \par
9724 \vskip 1.5em}
9725 \fi}
9726 \IfPackageLoadedF{tocloft}{%
9727 \renewcommand*\l@part[2]{%
9728 \ifnum \c@tocdepth >-2\relax
9729 \addpenalty{-\@highpenalty}%
9730 \addvspace{2.25em \@plus\p}%
9731 \setlength\@tempdima{3em}%
9732 \begin{group
9733 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9734 \parfillskip -\@pnumwidth
9735 {\leavevmode
9736 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9737 \nobreak
9738 \global\@nobreaktrue
9739 \everypar{\global\@nobreakfalse\everypar{}}}%
9740 \end{group
9741 \fi}
9742 \renewcommand*\l@chapter[2]{%

```



```

9743 \ifnum \c@tocdepth >\m@ne
9744 \addpenalty{-\@highpenalty}%
9745 \vskip 1.0em \@plus\p@
9746 \setlength\@tempdima{1.5em}%
9747 \begingroup
9748 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9749 \parfillskip -\@pnumwidth
9750 \leavevmode \bfseries
9751 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9752 \hskip -\if@RTL\rightskip\else\leftskip\fi
9753 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
9754 \penalty\@highpenalty
9755 \endgroup
9756 \fi}
9757 }
9758 \renewcommand\left@footnoterule{%
9759 \kern-3\p@
9760 \hrule\@width.4\columnwidth
9761 \kern2.6\p@}
9762 \renewcommand\right@footnoterule{%
9763 \kern-3\p@
9764 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9765 \kern2.6\p@}
9766 \renewcommand\theequation
9767 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9768 \renewcommand \thefigure
9769 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9770 \renewcommand \thetable
9771 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9772 \renewcommand \thechapter {\@arabic\c@chapter}
9773 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9774 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9775 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9776 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9777 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9778 \def\@makechapterhead#1{%
9779 \vspace*{50\p@}%
9780 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9781 \ifnum \c@secnumdepth >\m@ne
9782 \if@mainmatter
9783 \huge\bfseries \@chapapp\space \thechapter
9784 \par\nobreak
9785 \vskip 20\p@
9786 \fi
9787 \fi
9788 \interlinepenalty\@M
9789 \Huge \bfseries #1\par\nobreak
9790 \vskip 40\p@
9791 }}
9792 \def\@makeschapterhead#1{%
9793 \vspace*{50\p@}%
9794 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9795 \normalfont
9796 \interlinepenalty\@M

```



```

9797 \Huge \bfseries #1\par\nobreak
9798 \vskip 40\p@
9799 }}
9800 \renewcommand\backmatter{%
9801 \if@openright
9802 \cleardoublepage
9803 \else
9804 \clearpage
9805 \fi
9806 \@mainmatterfalse}
9807 \IfPackageLoadedF{natbib}{%
9808 \renewenvironment{thebibliography}[1]
9809 {\chapter*{\bibname}%
9810 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9811 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9812 \bidi@thebibliography@font@hook%
9813 \list{\@biblabel{\@arabic\c@enumiv}}{%
9814 \settowidth\labelwidth{\@biblabel{#1}}%
9815 \leftmargin\labelwidth
9816 \advance\leftmargin\labelsep
9817 \@openbib@code
9818 \usecounter{enumiv}%
9819 \let\p@enumiv\@empty
9820 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9821 \sloppy
9822 \clubpenalty4000
9823 \@clubpenalty \clubpenalty
9824 \widowpenalty4000%
9825 \sfcode\.\@m}
9826 {\def\@noitemerr
9827 {\@latex@warning{Empty `thebibliography' environment}}}%
9828 \endlist}
9829 }

```

66 File breqn-xetex-bidi.def

```

9830 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
9831 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
9832 \everydisplay\expandafter{\the\everydisplay \display@setup}%
9833 \if@noskipsec \leavevmode \fi
9834 \if@inlabel \leavevmode \global\@inlabelfalse \fi
9835 \if\eq@group\else\eq@prelim\fi
9836 \setkeys{breqn}{#1}%
9837 \the\eqstyle
9838 \eq@setnumber
9839 \begingroup
9840 \eq@setup@a
9841 \eq@startup
9842 }
9843 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
9844 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9845 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
9846 \global\let\GRP@label\@empty
9847 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@

```



```

9848 \global\grp@linewidth\z@\global\grp@wdNum\z@
9849 \global\let\grp@eqs@numbered@False
9850 \global\let\grp@aligned@True
9851 \global\let\grp@shiftnumber@False
9852 \eq@prelim
9853 \setkeys{breqn}{#1}%
9854 \if\grp@hasNumber \grp@setnumber \fi
9855 }
9856 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
9857 \let\display@setup\dseries@display@setup
9858 % Question: should this be the default for dseries???
9859 \global\eq@wdCond\z@
9860 \@dmath[layout={M},#1]%
9861 \mathsurround\z@\@math \penalty\@Mi
9862 \let\endmath\ends@math
9863 \def\premath{%
9864 \ifdim\lastskip<.3em \unskip
9865 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9866 }%
9867 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9868 \ignorespaces
9869 }
9870 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9871 \renewenvironment{dsuspend}{%
9872 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9873 \parshape 1 \displayindent \displaywidth\relax
9874 \hsize=\columnwidth \noindent\ignorespaces
9875 }{%
9876 \par\egroup
9877 \global\setbox\GRP@box\vbox{%
9878 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
9879 \unvbox\GRP@box
9880 }%
9881 \global\GRP@queue\@xp{the\GRP@queue
9882 \@elt{\let\eq@isIntertext@True}%
9883 }%
9884 }

```

67 File cals-xetex-bidi.def

```

9885 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeT
9886 \renewcommand\cals@setup@alignment[1]{%
9887 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9888 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9889 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9890 }
9891 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
9892 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9893 \if@RTLtab\cals@activate@rtl\fi
9894 \let\cals@thead@tokens=\relax
9895 \let\cals@tfoot@tokens=\relax
9896 \let\cals@tbody@tokens=\relax
9897 \cals@tfoot@height=0pt \relax
9898 \let\cals@last@context=n%

```




```

9899 \let\cals@current@context=b%
9900 \parindent=0pt \relax%
9901 \cals@setup@alignment{#1}%
9902 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsz%
9903 %% Alignment inside is independent on center/flushright outside
9904 \parfillskip=0pt plus1fil\relax
9905 \let\cals@borderL=\relax
9906 \let\cals@borderR=\relax
9907 \let\cals@borderT=\relax
9908 \let\cals@borderB=\relax
9909 \setbox\cals@backup@row=\box\voidb@x\relax
9910 \cals@AtBeginTable
9911 }{% End of the table
9912 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
9913 \renewcommand\alignL{%
9914 \if@RTLtab
9915   \cals@vfillAdd\cals@paddingL
9916 \else
9917   \cals@vfillDrop\cals@paddingL
9918 \fi
9919 \cals@vfillDrop\cals@paddingR}
9920 \renewcommand\alignR{%
9921 \if@RTLtab
9922   \cals@vfillDrop\cals@paddingL
9923 \else
9924   \cals@vfillAdd\cals@paddingL
9925 \fi
9926 \cals@vfillDrop\cals@paddingR}

```

68 File caption-xetex-bidi.def

```

9927 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package]
9928 \let\@makecaption\caption@makecaption

```

69 File caption3-xetex-bidi.def

```

9929 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package]
9930 \renewcommand*\caption@par{%
9931   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

70 File colortbl-xetex-bidi.def

```

9932 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
9933 \def\CT@setup{%
9934   \@tempdimb\col@sep
9935   \@tempdimc\col@sep
9936   \def\CT@color{%
9937     \global\let\CT@do@color\CT@@do@color
9938     \bidicolor}}
9939 \def\@classz{\@classx
9940   \@tempcnta \count@
9941   \prepnext@tok
9942 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
9943   \@addtopreamble{\if@RTLtab\beginL\fi%

```



```

9944 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
9945 \ifcase \@chnum
9946 \hskip\stretch{.5}\kern\z@
9947 \d@llarbegin
9948 \insert@column
9949 \d@llarend\hskip\stretch{.5}\or
9950 \d@llarbegin \insert@column \d@llarend \hfill \or
9951 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
9952 $\vcenter
9953 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
9954 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
9955 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
9956 \fi
9957 \if@RTLtab\endR\fi\egroup\egroup
9958 \begingroup
9959 \CT@setup
9960 \CT@column@color
9961 \CT@row@color
9962 \CT@cell@color
9963 \CT@do@color
9964 \endgroup
9965 \@tempdima\ht\z@
9966 \advance\@tempdima\minrowclearance
9967 \vrule\@height\@tempdima\@width\z@
9968 \unhbox\z@\if@RTLtab\endL\fi}%
9969 \prepnext@tok}

```

71 File color-xetex-bidi.def

```

9970 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
9971 \long\def\color@b@x#1#2#3{%
9972 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
9973 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
9974 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
9975 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
9976 \ifmmode\color@block\wd\z@\{\ht\z@\}\{dp\z@\}%
9977 \box\z@\}\ifmmode\else\if@RTL\endL\fi\fi}
9978 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
9979 \DeclareRobustCommand\color{%
9980 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}%
9981 \def\@declaredcolor#1{%
9982 \@ifundefined{\string\color @#1}%
9983 {\color@error{`#1'}}%
9984 {\expandafter\let\expandafter\current@color
9985 \csname\string\color @#1\endcsname
9986 \set@color}%
9987 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9988 \def\@undeclaredcolor[#1]#2{%
9989 \@ifundefined{color@#1}%
9990 {\color@error{model `#1'}}%
9991 {\csname color@#1\endcsname\current@color{#2}%
9992 \set@color}%
9993 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9994 \DeclareRobustCommand\bicolor{%

```



```

9995 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
9996 \def\@bidiundeclaredcolor[#1]#2{%
9997 \@ifundefined{color@#1}%
9998 {\c@lor@error{model `#1'}}%
9999 {\csname color@#1\endcsname\current@color{#2}%
10000 \set@color}%
10001 \ignorespaces}
10002 \def\@bidideclaredcolor#1{%
10003 \@ifundefined{\string\color @#1}%
10004 {\c@lor@error{`#1'}}%
10005 {\expandafter\let\expandafter\current@color
10006 \csname\string\color @#1\endcsname
10007 \set@color}%
10008 \ignorespaces}
10009 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
10010 \def\color@fbbox#1#2#3{%
10011 \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
10012 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

72 File combine-xetex-bidi.def

```

10013 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
10014 \renewcommand{\c@ll@chapsecii}[2]{%
10015 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
10016 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
10017 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10018 }
10019 \renewcommand{\c@ll@chapseci}{%
10020 \setlength\@tempdima{0em}%
10021 \begingroup
10022 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10023 \parfillskip -\@pnumwidth
10024 \leavevmode
10025 }
10026 \renewenvironment{tocindent}[1]{%
10027 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

73 File crop-xetex-bidi.def

```

10028 \ProvidesFile{crop-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for crop package for XeT
10029 \IfClassLoadedT{memoir}{\endinput}
10030 \RequirePackage{graphicx}
10031 \renewcommand*{\CROP@ulc}{%
10032 \if@RTLmain%
10033 \begin{picture}(0,0)
10034 \unitlength\p@\thinlines
10035 \put(-40,0){\circle{10}}
10036 \put(-30,-5){\line(0,1){10}}
10037 \put(-35,0){\line(1,0){30}}
10038 \put(-10,30){\circle{10}}
10039 \put(-5,30){\line(1,0){10}}
10040 \put(0,35){\line(0,-1){30}}
10041 \end{picture}%
10042 \else%

```



```

10043 \begin{picture}(0,0)
10044 \unitlength\p@\thinline
10045 \put(-30,0){\circle{10}}
10046 \put(-30,-5){\line(0,1){10}}
10047 \put(-35,0){\line(1,0){30}}
10048 \put(0,30){\circle{10}}
10049 \put(-5,30){\line(1,0){10}}
10050 \put(0,35){\line(0,-1){30}}
10051 \end{picture}%
10052 \fi%
10053 }
10054 \renewcommand*\CROP@urc{%
10055 \if@RTLmain%
10056 \begin{picture}(0,0)
10057 \unitlength\p@\thinline
10058 \put(20,0){\circle{10}}
10059 \put(30,-5){\line(0,1){10}}
10060 \put(35,0){\line(-1,0){30}}
10061 \put(-10,30){\circle{10}}
10062 \put(-5,30){\line(1,0){10}}
10063 \put(0,35){\line(0,-1){30}}
10064 \end{picture}%
10065 \else%
10066 \begin{picture}(0,0)
10067 \unitlength\p@\thinline
10068 \put(30,0){\circle{10}}
10069 \put(30,-5){\line(0,1){10}}
10070 \put(35,0){\line(-1,0){30}}
10071 \put(0,30){\circle{10}}
10072 \put(-5,30){\line(1,0){10}}
10073 \put(0,35){\line(0,-1){30}}
10074 \end{picture}%
10075 \fi%
10076 }
10077 \renewcommand*\CROP@llc{%
10078 \if@RTLmain%
10079 \begin{picture}(0,0)
10080 \unitlength\p@\thinline
10081 \put(-40,0){\circle{10}}
10082 \put(-30,-5){\line(0,1){10}}
10083 \put(-35,0){\line(1,0){30}}
10084 \put(-10,-30){\circle{10}}
10085 \put(-5,-30){\line(1,0){10}}
10086 \put(0,-35){\line(0,1){30}}
10087 \end{picture}%
10088 \else%
10089 \begin{picture}(0,0)
10090 \unitlength\p@\thinline
10091 \put(-30,0){\circle{10}}
10092 \put(-30,-5){\line(0,1){10}}
10093 \put(-35,0){\line(1,0){30}}
10094 \put(0,-30){\circle{10}}
10095 \put(-5,-30){\line(1,0){10}}
10096 \put(0,-35){\line(0,1){30}}

```



```

10097 \end{picture}%
10098 \fi%
10099 }
10100 \renewcommand*\CROP@lrc{%
10101 \if@RTLmain%
10102 \begin{picture}(0,0)
10103 \unitlength\p@\thinline
10104 \put(20,0){\circle{10}}
10105 \put(30,-5){\line(0,1){10}}
10106 \put(35,0){\line(-1,0){30}}
10107 \put(-10,-30){\circle{10}}
10108 \put(-5,-30){\line(1,0){10}}
10109 \put(0,-35){\line(0,1){30}}
10110 \end{picture}%
10111 \else%
10112 \begin{picture}(0,0)
10113 \unitlength\p@\thinline
10114 \put(30,0){\circle{10}}
10115 \put(30,-5){\line(0,1){10}}
10116 \put(35,0){\line(-1,0){30}}
10117 \put(0,-30){\circle{10}}
10118 \put(-5,-30){\line(1,0){10}}
10119 \put(0,-35){\line(0,1){30}}
10120 \end{picture}%
10121 \fi%
10122 }
10123 \@ifpackagewith{crop}{cam}{%
10124 \CROP@except{cam}%
10125 }{}

```

74 File cutwin-xetex-bidi.def

```

10126 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
10127 \renewcommand*\c@twcompctr}[2]{%
10128 \def\c@twfirst{1}
10129 \loop\advance\c@twinlines\m@ne
10130 \setbox\c@twslicea=\vsplit#1 to\baselineskip
10131 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
10132 \c@twprune{\c@twslicea}{\c@twlftside}%
10133 \c@twprune{\c@twsliceb}{\c@twrtside}%
10134 \ifnum\c@twfirst=\@ne
10135 \setbox#2=\vbox{\unvbox#2\hbox
10136 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
10137 \else
10138 \setbox#2=\vbox{\unvbox#2\hbox
10139 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
10140 \fi
10141 \def\c@twfirst{2}
10142 \ifnum\c@twinlines>\z@\repeat}
10143 \renewcommand*\c@twcompoddctr}[2]{%
10144 \def\c@twrounds{1}
10145 \def\c@twfirst{1}
10146 \@for\c@twlspec:=\c@twb\do{%
10147 \ifnum\c@twrounds=1

```



```

10148     \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
10149     \c@twprune{\c@twslicea}{\c@twlspec}%
10150     \def\c@twrounds{2}
10151   \else
10152     \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
10153     \c@twprune{\c@twsliceb}{\c@twlspec}%
10154     \ifnum\c@twfirst=1
10155       \setbox#2=\vbox{\unvbox#2\hbox
10156         to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\ifRTL\
10157       \def\c@twfirst{2}
10158     \else
10159       \setbox#2=\vbox{\unvbox#2\hbox
10160         to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\ifRTL\box\c@twslicea\el
10161     \fi
10162     \def\c@twrounds{1}
10163   \fi}}

```

75 File cuted-xetex-bidi.def

```

10164 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for X
10165
10166 \def\RTL@outputdblcol{%
10167   \if@firstcolumn
10168     \global\@firstcolumnfalse
10169     \global\setbox\@leftcolumn\copy\@outputbox
10170     \splitmaxdepth\maxdimen
10171     \vbadness\maxdimen
10172     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10173     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10174     \toks@\expandafter{\topmark}%
10175     \xdef\@firstcoltopmark{\the\toks@}%
10176     \toks@\expandafter{\splitfirstmark}%
10177     \xdef\@firstcolfirstmark{\the\toks@}%
10178     \ifx\@firstcolfirstmark\@empty
10179       \global\let\@setmarks\relax
10180     \else
10181       \gdef\@setmarks{%
10182         \let\firstmark\@firstcolfirstmark
10183         \let\topmark\@firstcoltopmark}%
10184     \fi
10185   \else
10186     \global\@firstcolumntrue
10187     \setbox\@outputbox\vbox{%
10188       \hb@xt@\textwidth{%
10189         \hskip \columnwidth
10190         \hfil
10191         {\normalcolor\vrule \@width\columnseprule}%
10192         \hfil
10193         \hb@xt@\columnwidth{%
10194           \bidi@firstcolumn@status@write%
10195           \box\@leftcolumn \hss}%
10196         \hskip -\textwidth
10197         \hb@xt@\columnwidth{%
10198           \bidi@lastcolumn@status@write%

```



```

10199     \box\@outputbox \hss}%
10200     \hskip \columnsep
10201     \hskip \columnwidth }}%
10202   \ifvoid\hold@viper
10203   \else
10204     \setbox\@outputbox \vbox to\textheight{%
10205                                     \box\hold@viper
10206                                     \box\@outputbox
10207                                     \vss
10208                                     }%
10209   \fi
10210 \@@combinedblfloats
10211   \@setmarks
10212   \@outputpage
10213   \beginingroup
10214     \@dblfloatplacement
10215     \@startdblcolumn
10216     \@whiles\if@fcolmade \fi{\@outputpage
10217     \@startdblcolumn}%
10218     \ifvoid\@viper
10219     \else
10220       \global\setbox\@viper\vbox{%
10221                           \vskip-\stripsep
10222                           \unvbox\@viper
10223                           }%
10224       \@viperoutput
10225     \fi
10226   \endgroup
10227 \fi}%
10228
10229 \def\LTR@outputdblcol{%
10230   \if@firstcolumn
10231     \global\@firstcolumnfalse
10232     \global\setbox\@leftcolumn\copy\@outputbox
10233     \splitmaxdepth\maxdimen
10234     \vbadness\maxdimen
10235     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10236     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10237     \toks@\expandafter{\topmark}%
10238     \xdef\@firstcoltopmark{\the\toks@}%
10239     \toks@\expandafter{\splitfirstmark}%
10240     \xdef\@firstcolfirstmark{\the\toks@}%
10241     \ifx\@firstcolfirstmark\@empty
10242       \global\let\@setmarks\relax
10243     \else
10244       \gdef\@setmarks{%
10245         \let\firstmark\@firstcolfirstmark
10246         \let\topmark\@firstcoltopmark}%
10247     \fi
10248   \else
10249     \global\@firstcolumntrue
10250     \setbox\@outputbox\vbox{%
10251       \hb@xt@\textwidth{%
10252         \hb@xt@\columnwidth{%

```



```

10253      \bidi@firstcolumn@status@write%
10254      \box\@leftcolumn \hss}%
10255      \hfil
10256      {\normalcolor\vrule \@width\columnseprule}%
10257      \hfil
10258      \hb@xt@\columnwidth{%
10259      \bidi@lastcolumn@status@write%
10260      \box\@outputbox \hss}}}%
10261 \ifvoid\hold@viper
10262 \else
10263   \setbox\@outputbox \vbox to\textheight{%
10264                       \box\hold@viper
10265                       \box\@outputbox
10266                       \vss
10267                       }%
10268 \fi
10269 \@combinedblfloats
10270 \setmarks
10271 \outputpage
10272 \beginngroup
10273   \@dblfloatplacement
10274   \@startdblcolumn
10275   \@whiles\if@fcolmade \fi{\@outputpage
10276   \@startdblcolumn}}%
10277   \ifvoid\@viper
10278   \else
10279     \global\setbox\@viper\vbox{%
10280         \vskip-\stripsep
10281         \unvbox\@viper
10282         }%
10283     \@viperoutput
10284   \fi
10285 \endgroup
10286 \fi}%
10287
10288 \def\@addviper{%
10289   \@insertfalse
10290   \def\var@@thecol@num{2}%
10291   \if@firstcolumn
10292     \def\var@@thecol@num{1}%
10293     \@reqcolroom=.5\@pageht
10294     \ht@viper=\@reqcolroom
10295     \advance\@reqcolroom by\ht@viper
10296     \advance\@reqcolroom by\stripsep
10297   \else
10298     \@reqcolroom=\@colht
10299     \advance\@reqcolroom by\@pageht
10300     \ht@viper.5\@reqcolroom
10301     \@reqcolroom=\ht@viper
10302     \advance\@reqcolroom by\ht@viper
10303     \advance\@reqcolroom by\stripsep
10304     \global\setbox\@holdpg\vbox{%
10305         \setbox\cuted@tempbox@a\vbox{%
10306           \aftergroup\unvbox

```




```

10307         \unvcopy\@leftcolumn
10308         \unskip\unkern\unpenalty
10309         \setbox\@tempboxa\lastbox
10310         \ifdim\dimexpr\ht\@tempboxa+\wd\@tempboxa+\dp\@tempboxa>\z@
10311             %% keeps lastbox
10312             \aftergroup\@leftcolumn
10313         \else
10314             %% removes lastbox
10315             \aftergroup\cuted@@tempbox@a
10316         \fi
10317     }%
10318     \unskip\unkern\unpenalty
10319     \on@stripcols@break
10320     \the\At@ViperColsBreak
10321     \unvbox\@holdpg
10322 }%
10323 \global\At@ViperColsBreak{}%
10324 \ht@viper=.5\ht\@holdpg
10325 \ifdim\ht@viper>\@colht
10326     \ht@viper=\@colht
10327 \fi
10328 \fi
10329 %%
10330 %% calculations for breaking
10331 %%
10332 \ifvoid\hold@viper
10333     \ht@hold@viper=\z@
10334 \else
10335     \ht@hold@viper=\ht\hold@viper
10336 \fi
10337 \cuted@@tempdim@b\ht@viper
10338 \set@split@topskip@to\topskip
10339 \loop
10340     \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
10341     \setbox\cuted@@varbox@a\copy\@holdpg
10342     \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
10343     %% set leftcolumn boxes
10344     \setbox\cuted@@tempbox@c\ vbox{\unvbox\cuted@@tempbox@a}%
10345     \setbox\cuted@@tempbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10346     \xdef\var@@leftcolumn@badness{\the\badness}%
10347     %% set rightcolumn boxes
10348     \setbox\cuted@@varbox@c\ vbox{\unvbox\cuted@@varbox@a}%
10349     \setbox\cuted@@varbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10350     \xdef\var@@rightcolumn@badness{\the\badness}%
10351     %% analyzing split goodness
10352     \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10353     \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10354     \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10355     \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
10356     \cuted@@wlog@debug{CUTED [----]}%
10357     ^^JLeft: \the\ht\cuted@@tempbox@c
10358     +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10359     ^^JRight: \the\ht\cuted@@varbox@c
10360     +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness

```



```

10361      ^^JSplit: \the\cuted@@tempdim@b
10362      ^^JExtra height: \the\cuted@@tempdim@spread
10363    }%
10364    \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10365      \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10366        \cuted@@tempdim@spread=\z@
10367      \fi
10368    \fi
10369    \ifdim\cuted@@tempdim@spread<\z@
10370      \if@left@column@spread
10371        \if@right@column@shrink
10372          \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10373            \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
10374          \else
10375            \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\relax
10376          \fi
10377          \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
10378          \ifnum\badness<\cuted@@column@badness
10379            \cuted@@tempdim@b=\cuted@@tempdim@a
10380            \cuted@@tempdim@spread=\z@
10381          \fi
10382          \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on
10383            \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
10384            \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on
10385          \else
10386            \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10387              \unvcopy\cuted@@tempbox@c
10388            }%
10389            \ifnum\badness<\cuted@@column@badness
10390              \@tempdimb=\ht\cuted@@varbox@c
10391              \cuted@@tempdim@spread=\z@
10392            \fi
10393            \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\h
10394            \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10395              \unvcopy\cuted@@varbox@c
10396            }%
10397            \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\h
10398          \fi
10399        \else
10400          \if@right@column@shrink
10401            \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10402              \else
10403                \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10404                \cuted@@tempdim@spread=\z@
10405              \fi
10406            \fi
10407          \fi
10408        \else
10409          \ifdim\cuted@@tempdim@spread>\z@
10410            \ifdim\dimexpr\@tempdimb+\p@\relax>\@colht
10411              \cuted@@tempdim@b=\@colht
10412              \cuted@@tempdim@spread=\z@
10413            \fi
10414          \fi

```



```

10415     \fi
10416 \ifdim\cuted@@tempdim@spread<\z@
10417     \advance\cuted@@tempdim@b 1\p@
10418 \repeat
10419 \wlog{CUTED [- LAST -]%
10420     ^^JExtra skip:\the\cuted@@tempdim@spread
10421     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10422     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10423     ^^JSplit:\saved@tempdimb
10424     ^^JOutput:\the\cuted@@tempdim@b
10425     ^^JPageshrink:\the\pageshrink
10426     ^^JPagestretch:\the\pagestretch
10427     ^^J@colht:\the\@colht
10428 }%
10429 %%
10430 %% final construction of the cuted page above strip
10431 %%
10432 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10433 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10434     \cuted@@tempdim@a=\dimexpr
10435         \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10436         \relax
10437     \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10438     \unvbox\cuted@@tempbox@c
10439     \ifdim\cuted@@tempdim@spread>\dp\strutbox
10440     \else
10441         \vskip-\cuted@@tempdim@spread
10442     \fi
10443     \prevdepth\z@
10444     \hrule\@height\cuted@@page@rule width\textwidth
10445     \vskip-\cuted@@page@rule
10446     \ifdim\cuted@@tempdim@a>\z@
10447         \if@left@column@spread
10448         \else
10449             \vss
10450         \fi
10451     \else
10452         \ifdim\cuted@@tempdim@a<\z@
10453             \if@left@column@shrink
10454             \else
10455                 \vss
10456             \fi
10457         \fi
10458     \fi
10459 }%
10460 \wlog{CUTED [output]: \the\cuted@@tempdim@b
10461     ^^JCUTED [leftcolumn badness]: \number\badness
10462 }%
10463 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
10464     \cuted@@tempdim@a=\dimexpr
10465         \cuted@@tempdim@b-\ht\@holdpg
10466         \relax
10467     \unvbox\@holdpg
10468     \ifdim\cuted@@tempdim@a>\z@

```



```

10469         \if@right@column@spread
10470         \else
10471             \vss
10472         \fi
10473     \else
10474         \ifdim\cuted@@tempdim@a<\z@
10475             \if@right@column@shrink
10476             \else
10477                 \vss
10478             \fi
10479         \fi
10480     \fi
10481 }%
10482 \wlog{CUTED [rightcolumn badness]: \number\badness}%
10483 \setbox\cuted@@tempbox@var\vbox{%
10484     \hb@xt@\textwidth{%
10485         \if@RTLmain
10486             \hskip \columnwidth
10487             \hfil
10488             {\normalcolor\vrule \@width\columnseprule}%
10489             \hfil
10490             \hb@xt@\columnwidth{%
10491                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10492                 \hss
10493             }%
10494             \hskip -\textwidth
10495             \hb@xt@\columnwidth{%
10496                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10497                 \hss
10498             }%
10499             \hskip \columnsep
10500             \hskip \columnwidth
10501         \else
10502             \hb@xt@\columnwidth{%
10503                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10504                 \hss
10505             }%
10506             \hfil
10507             {\normalcolor\vrule \@width\columnseprule}%
10508             \hfil
10509             \hb@xt@\columnwidth{%
10510                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10511                 \hss
10512             }%
10513         \fi
10514     }%
10515 }%
10516 %%
10517 %% finalize cuted page
10518 %%
10519 \ifvoid\hold@viper
10520     \global\setbox\hold@viper\vbox{%
10521         \unvbox\cuted@@tempbox@var
10522         \penalty\interlinepenalty

```



```

10523         \vskip\stripsep
10524         \the\preCutedStrip
10525         \ifnum\outputpenalty<-\@Mii
10526             \vskip -\parskip
10527         \fi
10528         \outputpenalty\z@
10529     }%
10530 \else
10531     \global\setbox\hold@viper\vbox{%
10532         \unvbox\hold@viper
10533         \cuted@@tempbox@var
10534         \penalty\interlinepenalty
10535         \vskip\stripsep
10536         \the\preCutedStrip
10537         \ifnum\outputpenalty<-\@Mii
10538             \vskip -\parskip
10539         \fi
10540         \outputpenalty\z@
10541     }%
10542 \fi
10543 \ifdim\@colht>\@reqcolroom
10544     \global\setbox\hold@viper\vbox{%
10545         \unvbox\hold@viper
10546         \box\@viper
10547         \penalty\interlinepenalty
10548         \the\postCutedStrip
10549         \vskip\stripsep
10550         \ifnum\outputpenalty<-\@Mii
10551             \vskip -\parskip
10552         \fi
10553         \outputpenalty\z@
10554     }%
10555     \@inserttrue
10556     \global\@firstcolumntrue
10557     \advance\ht@hold@viper by-\ht\hold@viper
10558     \global\advance\@colht by\ht@hold@viper
10559     \ifdim\@colht<2.5\baselineskip
10560         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
10561             too tall on page \thepage (\var@@thecol@num column)}}%
10562         \@emptycol
10563         \if@firstcolumn
10564         \else
10565             \@emptycol
10566         \fi
10567         \global\@lastvipertrue
10568 \else
10569     \global\vsizel\@colht
10570     \global\@colroom\@colht
10571     \check@floats\cuted@@tempdim@a
10572     \ifdim\cuted@@tempdim@a>\z@
10573         \global\advance\@colroom by-\cuted@@tempdim@a
10574     \fi
10575     \ifdim\@colroom<\z@
10576         \global\@colroom1\p@

```



```

10577         \ifdim\cuted@@tempdim@a>\@colht
10578             \latex@warning@no@line{TOP and/or BOT FLOAT's
10579                 to large on \thepage (\var@@thecol@num column)}}%
10580         \fi
10581         \@emptycol
10582         \if@firstcolumn
10583         \else
10584             \@emptycol
10585         \fi
10586         \global\@lastvipertrue
10587     \fi
10588 \fi
10589 \fi
10590 \if@insert
10591 \else
10592     \advance\ht@hold@viper by-\ht\hold@viper
10593     \global\advance\@colht by\ht@hold@viper
10594     \global\setbox\hold@viper\vbox{%
10595         \unvbox\hold@viper
10596         \set@split@topskip@to{\z@ plus2\p@}%
10597         \vsplit\@viper to\@colht
10598         \vss
10599     }%
10600     \vbox{%
10601         \global\@firstcolumnfalse
10602         \newpage
10603     \fi
10604 }

```

76 File cvthemebidicasual.sty

```

10605 \NeedsTeXFormat{LaTeX2e}
10606 \ProvidesPackage{cvthemebidicasual}
10607 \DeclareOption{blue}{}
10608 \newif\if@colourorange\@colourorangefalse
10609 \DeclareOption{orange}{\@colourorangetrue}
10610 \newif\if@colourgreen\@colourgreenfalse
10611 \DeclareOption{green}{\@colourgreentrue}
10612 \newif\if@colourred\@colourredfalse
10613 \DeclareOption{red}{\@colourredtrue}
10614 \newif\if@colourgrey\@colourgreyfalse
10615 \DeclareOption{grey}{\@colourgreytrue}
10616 \DeclareOption*{
10617     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
10618 \ExecuteOptions{colour}
10619 \ProcessOptions\relax
10620 \renewcommand*{\listitemsymbol}{\textbullet}
10621 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10622 \familynamecolour{808080}
10623 \firstnamecolour{A9A9A9}
10624 \quotecolour{696969}
10625 \addresscolour{696969}
10626 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10627 \sectiontitlecolour{1E90FF}

```



```

10628 \subsectioncolour{4682B4}
10629 \definecolor{rulecolour}{gray}{0.6}
10630 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10631 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10632 \if@colourorange
10633   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10634   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10635   \sectiontitlecolour{FF8C00}
10636   \subsectioncolour{FF8C00}
10637   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
10638   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10639 \if@colourgreen
10640   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10641   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10642   \sectiontitlecolour{008000}
10643   \subsectioncolour{008000}
10644   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
10645   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10646 \if@coloured
10647   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10648   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10649   \sectiontitlecolour{FF0000}
10650   \subsectioncolour{FF0000}
10651   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
10652   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10653 \if@colougrey
10654   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10655   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10656   \sectiontitlecolour{808080}
10657   \subsectioncolour{808080}
10658   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10659   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10660 \renewcommand*{\ttdefault}{pcr}
10661 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
10662 \renewcommand*{\familynamefont}{\firstnamefont}
10663 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10664 \renewcommand*{\quoteontext}{\large\slshape}
10665 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10666 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10667 \renewcommand*{\maketitle}{%
10668   {%
10669     \ifthenelse{\isundefined{\@photo}}{%
10670       {}%
10671       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
10672       \hfill%
10673       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
10674       {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
10675     \ifthenelse{\isundefined{\@quote}}{%
10676       {}%
10677       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}}\[.5em]}%
10678     }%
10679 \newif\iffirstfooterelement\@firstfooterelementtrue
10680 \providecommand*{\footersymbol}{%
10681 \renewcommand*{\footersymbol}{%

```



```

10682 \if@firstfooterelement%
10683 \else%
10684 { ~\color{footersymbolcolor}\textbullet~~}\fi}
10685 \providecommand*\makefooter{}
10686 \renewcommand*\makefooter{%
10687 \fancypagestyle{plain}{%
10688 \fancyfoot[c]{%
10689 \parbox{0.8\textwidth}{%
10690 \centering%
10691 \addressfont\@addresscolour%
10692 \ifthenelse{isundefined{\@address}}{}{}%
10693 \addresssymbol~\@address\\%
10694 \@firstfooterelementfalse}%
10695 \ifthenelse{isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
10696 \ifthenelse{isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
10697 \ifthenelse{isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
10698 \ifthenelse{isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
10699 \ifthenelse{isundefined{\@extrainfo}}{}{\footersymbol\extrainfo\@firstfooterelementfalse}%
10700 }%
10701 \pagestyle{plain}}
10702 \AtBeginDocument{\makefooter}

```

77 File cvthemebidiclassic.sty

```

10703 \NeedsTeXFormat{LaTeX2e}
10704 \ProvidesPackage{cvthemebidiclassic}
10705 \DeclareOption{blue}{}
10706 \newif\if@colourorange\@colourorangefalse
10707 \DeclareOption{orange}{\@colourorangetrue}
10708 \newif\if@colourgreen\@colourgreenfalse
10709 \DeclareOption{green}{\@colourgreentrue}
10710 \newif\if@colourred\@colourredfalse
10711 \DeclareOption{red}{\@colourredtrue}
10712 \newif\if@colourgrey\@colourgreyfalse
10713 \DeclareOption{grey}{\@colourgreytrue}
10714 \DeclareOption*{
10715 \PackageWarning{cvthemebidiclassic}{Unknown option '\CurrentOption'}}
10716 \ExecuteOptions{colour}
10717 \ProcessOptions\relax
10718 \renewcommand*\listitemsymbol{\textbullet}
10719 \firstnamecolour{}
10720 \familynamecolour{}
10721 \titlecolour{808080}
10722 \quotecolour{696969}
10723 \addresscolour{696969}
10724 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10725 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10726 \sectiontitlecolour{1E90FF}
10727 \subsectioncolour{4682B4}
10728 \if@colourorange
10729 \addresscolour{FF8C00}
10730 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10731 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10732 \sectiontitlecolour{FF8C00}

```




```

10733 \subsectioncolour{FF8C00}\fi
10734 \if@colourgreen
10735 \addresscolour{008000}
10736 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10737 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10738 \sectiontitlecolour{008000}
10739 \subsectioncolour{008000}\fi
10740 \if@colourred
10741 \addresscolour{FF0000}
10742 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10743 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10744 \sectiontitlecolour{FF0000}
10745 \subsectioncolour{FF0000}\fi
10746 \if@colourgrey
10747 \addresscolour{808080}
10748 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10749 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10750 \sectiontitlecolour{808080}
10751 \subsectioncolour{808080}\fi
10752 \renewcommand*{\ttdefault}{pcr}
10753 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10754 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
10755 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10756 \renewcommand*{\familynamefont}{\firstnamefont}
10757 \renewcommand*{\quoteont}{\large\slshape}
10758 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10759 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10760 \newlength{\maketitlenamemaxwidth}
10761 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
10762 \newlength{\maketitlenamefullwidth}
10763 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
10764 \newlength{\maketitlenamewidth}
10765 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}\fi
10766 \newlength{\maketitlepicturewidth}
10767 \setlength{\maketitlepicturewidth}{\@photowidth}
10768 \newlength{\maketitledetailwidth}
10769 \renewcommand*{\recomputethemelengths}{%
10770 \setlength{\maketitledetailwidth}{\textwidth}%
10771 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
10772 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
10773 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
10774 \recomputethemelengths
10775 \newif\if@firstdetailselement\@firstdetailselementtrue
10776 \newcommand*{\maketitledetailnewline}{
10777 \if@firstdetailselement%
10778 \@firstdetailselementfalse%
10779 \else%
10780 \[\.2em]\fi}
10781 \renewcommand*{\maketitle}{%
10782 % name and title
10783 \begin{minipage}[b]{\maketitlenamewidth}%
10784 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
10785 \ifthenelse{\equal{\@title}{}}{\[\[1.25em]\titlestyle{\@title}}{}%
10786 \end{minipage}%

```



```

10787 % optional data
10788 \begin{minipage}[b]{\maketitledetailwidth}%
10789   \bidi@raggedleft\addressfont\@addresscolour%
10790   \ifthenelse{\isundefined{\@address}}{\}%
10791     \maketitledetailsnewline%
10792     \addresssymbol~\@address%
10793     \ifthenelse{\isundefined{\@mobile}}{\}\{\maketitledetailsnewline\mobilesymbol~\@mobile}%
10794     \ifthenelse{\isundefined{\@phone}}{\}\{\maketitledetailsnewline\phonesymbol~\@phone}%
10795     \ifthenelse{\isundefined{\@fax}}{\}\{\maketitledetailsnewline\faxsymbol~\@fax}%
10796     \ifthenelse{\isundefined{\@email}}{\}\{\maketitledetailsnewline\emailsymbol~\emailink{\@e
10797     \ifthenelse{\isundefined{\@extrainfo}}{\}\{\maketitledetailsnewline\@extrainfo}%
10798 \end{minipage}%
10799 % optional photo
10800 \ifthenelse{\isundefined{\@photo}}%
10801   {\%
10802     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
10803 % optional quote
10804 \ifthenelse{\isundefined{\@quote}}%
10805   {\%
10806     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\%
10807   }

```

78 File dblfnote-xetex-bidi.def

```

10808 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
10809 \let\autofootnoterule\relax
10810 \let\rightfootnoterule\relax
10811 \let\leftfootnoterule\relax
10812 \let\textwidthfootnoterule\relax
10813 \let\LRfootnoterule\relax
10814 \def\footnoterule{\kern-3\p@
10815   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10816 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
10817 \let\@footnotetext\dfn@footnotetext}
10818 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
10819   \let\insert\dfn@gobble
10820   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10821   \def\@makefnmark{\smash{\dfn@makefnmark}}
10822   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10823   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10824   \ifdim\dfn@dima>\z@else
10825     \dfn@dima1sp\relax
10826     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10827   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10828     \ifvoid\dfn@inselse
10829       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10830     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10831   \setbox\dfn@boxa\copy\dfn@ins
10832   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10833   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10834   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10835   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10836   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10837 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext

```



```

10838 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10839 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
10840     \let\insert\dfn@gobble
10841     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10842     \def\@makefnmark{\smash{\dfn@makefnmark}}
10843     \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10844     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10845     \ifdim\dfn@dima>z@\else
10846         \dfn@dima1sp\relax
10847         \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10848     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10849         \ifvoid\dfn@ins\else
10850             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10851             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10852     \setbox\dfn@boxa\copy\dfn@ins
10853     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10854     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10855     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10856     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10857     \xdef\dfn@list{\dfn@list\@elt{number\dfn@dima}{number\@tempdima}}}}
10858 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10859 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10860 \def\dfn@RTLmakecol{{\ifvoid\footins\else
10861     \dfn@dima\ht\footins
10862     \@tempcnta\z@ \dfn@countins
10863     \@tempdima\z@ \let\@elt\dfn@elt@getht
10864     \dfn@list\@nil
10865     \ifdim\@tempdima=\z@\else
10866         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10867         \global\setbox\dfn@ins\box\dfn@ins
10868         \@tempswatrue
10869         \ifdfn@trysingle
10870             \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10871             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10872             \advance\@tempdima-\skip\footins
10873             \advance\@tempdima-\ht\dfn@boxa
10874             \ifdim\@tempdima<\z@\else \@tempswafalse
10875                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10876                     \footnoterule \unvbox\dfn@boxa}\fi\fi
10877             \if@tempswa
10878                 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10879                 \global\setbox\footins\vbox{\hbox{%
10880                     \hskip \DFNcolumnwidth
10881                     \hskip\DFNcolumnsep
10882                     \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10883                         \unvbox\dfn@boxb\vss}\hss}
10884                     \hskip -\textwidth
10885                     \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10886                         \vbox to\@tempdima{
10887                             \setbox\@tempboxa\vbox{\footnoterule}
10888                             \ifdfn@ruleboth \unvbox\@tempboxa
10889                             \else \@tempdima\ht\@tempboxa
10890                                 \advance\@tempdima\dp\@tempboxa
10891                                 \vskip\@tempdima

```



```

10892             \prevdepth\dp\@tempboxa \fi
10893             \unvbox\dfn@boxa\vss}\fi\hss}
10894             \hskip \DFNcolumnsep
10895             \hskip \DFNcolumnwidth}}\fi\fi
10896 \global\dfn@fnht\z@
10897 \ifx\dfn@list\@empty\else
10898     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10899     \dfn@list \global\advance\dfn@fnht\dfn@dimb
10900     \let\@elt\relax
10901     \ifdim\dfn@dimb>\z@
10902         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10903         \insert\footins{\floatingpenalty\@MM
10904             \vbox to\dfn@dimb{}}\fi
10905     \ifdim\dfn@fnht>\@tempdima
10906         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10907         \global\dfn@fnht\@tempdima
10908         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10909         \xdef\dfn@afteroutput{\insert\footins{
10910             \floatingpenalty\@MM
10911             \vbox to\number\@tempdimb sp{}}}%
10912         \global\let\noexpand\dfn@afteroutput\relax}%
10913     \fi\fi
10914 \fi}%
10915 \let\footnoterule\relax \dfn@latex@makecol
10916 \let\footnoterule\dfn@footnoterule}
10917 \def\dfn@LTRmakecol{\ifvoid\footins\else
10918     \dfn@dima\ht\footins
10919     \@tempcnta\z@ \dfn@countins
10920     \@tempdima\z@ \let\@elt\dfn@elt@getht
10921     \dfn@list\@nil
10922     \ifdim\@tempdima=\z@\else
10923         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10924         \global\setbox\dfn@ins\box\dfn@ins
10925         \@tempswatrue
10926         \ifdfn@trysingle
10927             \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10928             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10929             \advance\@tempdima-\skip\footins
10930             \advance\@tempdima-\ht\dfn@boxa
10931             \ifdim\@tempdima<\z@\else \@tempswafalse
10932                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10933                     \footnoterule \unvbox\dfn@boxa}\fi\fi
10934         \if@tempswa
10935             \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10936             \global\setbox\footins\vbox{\hbox{%
10937                 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10938                     \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
10939                 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10940                     \vbox to\@tempdima{
10941                         \setbox\@tempboxa\vbox{\footnoterule}
10942                         \ifdfn@ruleboth \unvbox\@tempboxa
10943                         \else \@tempdima\ht\@tempboxa
10944                             \advance\@tempdima\dp\@tempboxa
10945                             \vskip\@tempdima

```



```

10946                                \prevdepth\dp\@tempboxa \fi
10947                                \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
10948    \global\dfn@fnht\z@
10949    \ifx\dfn@list\@empty\else
10950        \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10951        \dfn@list \global\advance\dfn@fnht\dfn@dimb
10952        \let\@elt\relax
10953        \ifdim\dfn@dimb>\z@
10954            \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10955            \insert\footins{\floatingpenalty\@MM
10956                \vbox to\dfn@dimb{}}}\fi
10957        \ifdim\dfn@fnht>\@tempdima
10958            \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10959            \global\dfn@fnht\@tempdima
10960            \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10961            \xdef\dfn@afteroutput{\insert\footins{
10962                \floatingpenalty\@MM
10963                \vbox to\number\@tempdimb sp{}}}%
10964            \global\let\noexpand\dfn@afteroutput\relax}%
10965        \fi\fi
10966    \fi}%
10967    \let\footnoterule\relax \dfn@latex@makecol
10968    \let\footnoterule\dfn@footnoterule}
10969 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
10970 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
10971 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
10972 \DFNalwaysdouble

```

79 File diagbox-xetex-bidi.def

```

10973 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package f
10974 \bidi@patchcmd{\diagbox@double}{%
10975     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10976 }{\bidi@@diagbox@double@ii}{}}
10977 \bidi@patchcmd{\diagbox@double}{%
10978     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10979 }{\bidi@@diagbox@double@iii}{}}
10980 \newcommand*{\bidi@@diagbox@double@ii}{%
10981     \if@RTL
10982         \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
10983     \else
10984         \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10985     \fi
10986 }
10987 \newcommand*{\bidi@@diagbox@double@iii}{%
10988     \if@RTL
10989         \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
10990     \else
10991         \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10992     \fi
10993 }
10994 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10995     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10996 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{}}

```



```

10997 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10998   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10999 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
11000 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11001   \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
11002 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
11003 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
11004   \if@RTL
11005     \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}
11006   \else
11007     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
11008   \fi
11009 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
11010   \if@RTL
11011     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
11012   \else
11013     \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
11014   \fi
11015 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
11016 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11017   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
11018 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
11019 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11020   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11021 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11022 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11023   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11024 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11025 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
11026   \if@RTL
11027     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}
11028   \else
11029     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
11030   \fi
11031 }
11032 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
11033   \if@RTL
11034     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
11035   \else
11036     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}
11037   \fi
11038 }
11039 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
11040 \bidi@patchcmd{\diagbox@double@pict@SE}{%
11041   \diagbox@setlinecolor
11042   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
11043 }{%
11044   {\diagbox@setlinecolor
11045     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
11046 }{-}{-}
11047 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
11048 \bidi@patchcmd{\diagbox@double@pict@NE}{%
11049   \diagbox@setlinecolor
11050   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%

```



```

11051 }{%
11052   {\diagbox@setlinecolor
11053     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
11054 }{}{}
11055 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
11056 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
11057   \diagbox@setlinecolor
11058   \Line(0,\yym)(\x,0)
11059   \Line(\xm,\y)(\x,0)%
11060 }{%
11061   {\diagbox@setlinecolor
11062     \Line(0,\yym)(\x,0)
11063     \Line(\xm,\y)(\x,0)}%
11064 }{}{}
11065 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
11066   \diagbox@setlinecolor
11067   \Line(0,0)(\xxm,\y)
11068   \Line(0,0)(\x,\yym)%
11069 }{%
11070   {\diagbox@setlinecolor
11071     \Line(0,0)(\xxm,\y)
11072     \Line(0,0)(\x,\yym)}%
11073 }{}{}
11074 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
11075   \diagbox@setlinecolor
11076   \Line(0,\ym)(\x,\y)
11077   \Line(\xm,0)(\x,\y)%
11078 }{%
11079   {\diagbox@setlinecolor
11080     \Line(0,\ym)(\x,\y)
11081     \Line(\xm,0)(\x,\y)}%
11082 }{}{}
11083 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
11084   \diagbox@setlinecolor
11085   \Line(0,\y)(\xxm,0)
11086   \Line(0,\y)(\x,\ym)%
11087 }{%
11088   {\diagbox@setlinecolor
11089     \Line(0,\y)(\xxm,0)
11090     \Line(0,\y)(\x,\ym)}%
11091 }{}{}

```

80 File draftwatermark-xetex-bidi.def

```

11092 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
11093 \renewcommand\SetWatermarkText[1]{%
11094   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

81 File eso-pic-xetex-bidi.def

```

11095 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
11096 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
11097   \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
11098

```



```

11099 \ESO@isMEMOIR{%
11100   \renewcommand\AtTextUpperLeft[1]{%
11101     \begingroup
11102       \ifodd\c@page
11103         \if@RTLmain
11104           \ESO@tempdima=\paperwidth
11105           \advance\ESO@tempdima-\textwidth
11106           \advance\ESO@tempdima-\spinemargin
11107         \else
11108           \ESO@tempdima=\spinemargin
11109         \fi
11110       \else
11111         \if@RTLmain
11112           \ESO@tempdima=\spinemargin
11113         \else
11114           \ESO@tempdima=\paperwidth
11115           \advance\ESO@tempdima-\textwidth
11116           \advance\ESO@tempdima-\spinemargin
11117         \fi
11118       \fi
11119       \ESO@tempdimb=-\uppermargin
11120       \AtPageUpperLeft{%
11121         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11122       }%
11123     \endgroup
11124   }
11125 }{%
11126   \renewcommand\AtTextUpperLeft[1]{%
11127     \begingroup
11128       \ESO@tempdima=1in\relax
11129       \if@twoside
11130         \ifodd\c@page
11131           \if@RTLmain
11132             \advance\ESO@tempdima\evensidemargin
11133           \else
11134             \advance\ESO@tempdima\oddsidemargin
11135           \fi
11136         \else
11137           \if@RTLmain
11138             \advance\ESO@tempdima\oddsidemargin
11139           \else
11140             \advance\ESO@tempdima\evensidemargin
11141           \fi
11142         \fi
11143       \else
11144         \advance\ESO@tempdima\oddsidemargin
11145       \fi
11146       \ESO@tempdimb=-1in\relax
11147       \advance\ESO@tempdimb-\topmargin
11148       \advance\ESO@tempdimb-\headheight
11149       \advance\ESO@tempdimb-\headsep
11150       \AtPageUpperLeft{%
11151         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11152       }%

```




```

11153 \endgroup
11154 }
11155 }

```

82 File empheq-xetex-bidi.def

```

11156 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
11157 \MHInternalSyntaxOn
11158 \def\EQ_tag_plus_endmark:{%
11159 \iftagsleft@
11160 \gdef\maketag@@@##1{%
11161 \hfuzz\displaywidth
11162 \ifRTL\makebox[\widthof{##1}][r]{%
11163 \hbox to \displaywidth{\m@th\normalfont##1\hss
11164 \raisebox{-\dp\EQ_mathdisplay_box
11165 -\depthof{\EQ_outerbox:}}{
11166 {\PotEndMark{\hss}}}}
11167 \else\makebox[\widthof{##1}][l]{%
11168 \hbox to \displaywidth{\m@th\normalfont##1\hss
11169 \raisebox{-\dp\EQ_mathdisplay_box
11170 -\depthof{\EQ_outerbox:}}{
11171 {\PotEndMark{\hss}}}}\fi}%
11172 \MH_else:
11173 \gdef\maketag@@@##1{%
11174 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
11175 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
11176 \MH_addtolength:dn \@tempdima
11177 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
11178 \setlength{\@tempdimb}
11179 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
11180 +\depthof{\EQ_innerbox:}}
11181 \MH_if_dim:w \@tempdima>\@tempdimb
11182 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
11183 -\@tempdima+\g_EQ_bottomrow_depth_dim}
11184 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
11185 \def\EQ_next:{\raisebox{\@tempdima}}%
11186 \MH_else:
11187 \def\EQ_next:{
11188 \raisebox{-\dp\EQ_mathdisplay_box
11189 -\depthof{\EQ_outerbox:}}}%
11190 \MH_fi:\EQ_next:}}}%
11191 \MH_fi:}
11192 \def\EQ_post_process:{%
11193 \EQ_initialize:
11194 \EQ_begin_equation:
11195 \MH_if_boolean:nT {outer_mult}{
11196 \setkeys{MT_options_name:}{
11197 firstline-afterskip=Opt,
11198 lastline-preskip=Opt,
11199 multlined-width=Opt,
11200 }
11201 \ifodd \l_EQ_alignmentmode_int
11202 \setkeys{MT_options_name:}{multlined-pos=b}
11203 \MH_else:

```



```

11204     \setkeys{\MT_options_name:}{multlined-pos=t}
11205     \MH_fi:
11206     \g@addto@macro\EQ_complete_mathdisplay:{
11207         \begin{MTmultlined}\relax
11208     }
11209     \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11210     \MH_if_boolean:nT {outer_mult}{
11211         \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
11212     }
11213     \EQ_end_equation:
11214     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11215     \savecounters@
11216     \EQ_typeset_tags:
11217     \edef\l_EQ_equation_fint{\number\c@equation}
11218     \restorecounters@
11219     \Hy@linkcounter=\EQ_hyperref_link_fint
11220     \settowidth\l_EQ_totalwidth_dim{%
11221         $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
11222     \MH_if_boolean:nTF {outer_mult}
11223     { \def\EQ_next:{_mult} }
11224     { \def\EQ_next:{} }
11225     \@nameuse{EQ_modify_linewidth_
11226         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11227     \EQ_typeset_display:
11228     \@nameuse{EQ_find_displaywidth_
11229         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11230     \MH_addtolength:dn
11231     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11232     \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11233         $\EQ_left_side:
11234         \EQ_innerbox:{%
11235             \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11236             \makebox[\l_EQ_displaywidth_dim][c]
11237             {\usebox{\EQ_mathdisplay_box}}}%
11238         \MH_or:
11239             \makebox[\l_EQ_displaywidth_dim][c]
11240             {\usebox{\EQ_mathdisplay_box}}}%
11241         \MH_or:
11242             \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11243                 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11244                     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11245                         \kern-\@mathmargin
11246                         \MH_fi:
11247                         \MH_fi:
11248                         \usebox{\EQ_mathdisplay_box}}%
11249             \else\makebox[\l_EQ_displaywidth_dim][l]{%
11250                 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11251                     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11252                         \kern-\@mathmargin
11253                         \MH_fi:
11254                         \MH_fi:
11255                         \usebox{\EQ_mathdisplay_box}}\fi%
11256         \MH_or:
11257             \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%

```



```

11258      \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11259      \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11260      \kern-\@mathmargin
11261      \MH_fi:
11262      \MH_fi:
11263      \usebox{\EQ_mathdisplay_box}}
11264      \else\makebox[\l_EQ_displaywidth_dim][l]{%
11265      \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11266      \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11267      \kern-\@mathmargin
11268      \MH_fi:
11269      \MH_fi:
11270      \usebox{\EQ_mathdisplay_box}}\fi%
11271      \MH_fi:}%
11272      \EQ_right_side:$}%
11273      \begin{AmSequation*}
11274      \@nameuse{EQ_place_display_
11275      \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11276      \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11277      \MH_set_boolean_T:n {show_manual_tags}
11278      \MH_if_case:w \l_EQ_alignmentmode_int
11279      \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
11280      \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
11281      \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
11282      \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
11283      \MH_fi:
11284      \MH_fi:
11285      \end{AmSequation*}
11286      \global\c@equation=\l_EQ_equation_fint\relax
11287      }
11288      \AtBeginDocument{%
11289      \@ifpackageloaded{fancybox}{%
11290      \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11291      {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11292      \renewcommand*{\shadowbox{%
11293      \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
11294      \VerbBox\EQ_shadowbox:n}
11295      {\MH_set_boolean_F:n {shadowbox_star}
11296      \VerbBox\EQ_shadowbox:n}}
11297      \def\EQ_shadowbox:n #1{%
11298      \sbox{\z@}{\fbox{#1}}%
11299      \MH_if_boolean:nTF {shadowbox_star}{
11300      \MH_setlength:dn \@tempdima{\z@}%
11301      }{
11302      \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
11303      }
11304      \raisebox{\@tempdima}{%
11305      \if@RTL\makebox[\z@][r]{%
11306      \kern\shadowsize \textcolor{shadowcolor}{%
11307      \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11308      }%
11309      \else\makebox[\z@][l]{%
11310      \kern\shadowsize \textcolor{shadowcolor}{%
11311      \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%

```



```

11312      }\fi%
11313      \usebox\z@\textcolor{shadowcolor}{%
11314        \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
11315    }-}%
11316  }
11317  \MHInternalSyntaxOff

```

83 File extarticle-xetex-bidi.def

```

11318 \ProvidesFile{extarticle-xetex-bidi.def}[2025/09/08 v0.7 bidi adaptations for extarticle cla
11319 \renewcommand*\l@section[2]{%
11320   \ifnum \c@tocdepth >\z@
11321     \addpenalty\@secpenalty
11322     \addvspace{1.0em \@plus\p@}%
11323     \setlength\@tempdima{1.5em}%
11324     \begingroup
11325       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11326       \parfillskip -\@pnumwidth
11327       \leavevmode \bfseries
11328       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
11329       \hskip -\if@RTL\rightskip\else\leftskip\fi
11330       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11331     \endgroup
11332   \fi}
11333 \renewcommand*\l@part[2]{%
11334   \ifnum \c@tocdepth >-2\relax
11335     \addpenalty\@secpenalty
11336     \addvspace{2.25em \@plus\p@}%
11337     \begingroup
11338       \setlength\@tempdima{3em}%
11339       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11340       \parfillskip -\@pnumwidth
11341       {\leavevmode
11342         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11343       \nobreak
11344     \endgroup
11345   \fi}
11346 \ApplyPatchIfPackageLoaded{nameref}{%
11347   \bidi@patchcmd\NR@part\raggedright{%
11348     \if@RTL\raggedleft\else\raggedright\fi
11349   }-{\bidi@warningnoline{Oops! patching `string\NR@part' failed}}%
11350   \bidi@patchcmd\NR@spart\raggedright{%
11351     \if@RTL\raggedleft\else\raggedright\fi
11352   }-{\bidi@warningnoline{Oops! patching `string\NR@spart' failed}}%
11353 }-}%
11354 \bidi@patchcmd\@part\raggedright{%
11355   \if@RTL\raggedleft\else\raggedright\fi
11356 }-{\bidi@warningnoline{Oops! patching `string\@part' failed}}%
11357 \bidi@patchcmd\@spart\raggedright{%
11358   \if@RTL\raggedleft\else\raggedright\fi
11359 }-{\bidi@warningnoline{Oops! patching `string\@spart' failed}}%
11360 }
11361 \renewenvironment{thebibliography}[1]
11362   {\section*{\refname

```



```

11363      \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11364      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11365      \bidi@thebibliography@font@hook%
11366      \list{\@biblabel{\@arabic\c@enumiv}}%
11367      {\settowidth\labelwidth{\@biblabel{#1}}%
11368      \leftmargin\labelwidth
11369      \advance\leftmargin\labelsep
11370      \@openbib@code
11371      \usecounter{enumiv}%
11372      \let\p@enumiv\@empty
11373      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11374      \sloppy\clubpenalty4000\widowpenalty4000%
11375      \sfcode`. \m
11376      {\def\@noitemerr
11377      {\@latex@warning{Empty `thebibliography' environment}}}%
11378      \endlist}
11379 \renewcommand\left@footnoterule{%
11380 \kern-3\p@
11381 \hrule\@width.4\columnwidth
11382 \kern2.6\p@}
11383 \renewcommand\right@footnoterule{%
11384 \kern-3\p@
11385 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11386 \kern2.6\p@}
11387 \if@titlepage
11388 \renewcommand\maketitle{\begin{titlepage}%
11389 \let\footnotesize\small
11390 \let\right@footnoterule\relax
11391 \let\left@footnoterule\relax
11392 \let\textwidth\footnoterule\relax
11393 \let \footnote \thanks
11394 \null\vfil
11395 \vskip 60\p@
11396 \begin{center}%
11397 {\LARGE \@title \par}%
11398 \vskip 3em%
11399 {\large
11400 \lineskip .75em%
11401 \begin{tabular}[t]{c}%
11402 \@author
11403 \end{tabular}\par}%
11404 \vskip 1.5em%
11405 {\large \@date \par}% % Set date in \large size.
11406 \end{center}\par
11407 \@thanks
11408 \vfil\null
11409 \end{titlepage}%
11410 \setcounter{footnote}{0}%
11411 \global\let\thanks\relax
11412 \global\let\maketitle\relax
11413 \global\let\@thanks\@empty
11414 \global\let\@author\@empty
11415 \global\let\@date\@empty
11416 \global\let\@title\@empty

```



```

11417 \global\let\title\relax
11418 \global\let\author\relax
11419 \global\let\date\relax
11420 \global\let\and\relax
11421 }
11422 \else
11423 \renewcommand\maketitle{\par
11424 \begin{group}
11425 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11426 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11427 \long\def\@makefntext##1{\parindent 1em\noindent
11428 \hb@xt@1.8em{%
11429 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11430 \if@twocolumn
11431 \ifnum \col@number=\@one
11432 \@maketitle
11433 \else
11434 \twocolumn[\@maketitle]%
11435 \fi
11436 \else
11437 \newpage
11438 \global\@topnum\z@ % Prevents figures from going at top of page.
11439 \@maketitle
11440 \fi
11441 \thispagestyle{plain}\@thanks
11442 \endgroup
11443 \setcounter{footnote}{0}%
11444 \global\let\thanks\relax
11445 \global\let\maketitle\relax
11446 \global\let\@maketitle\relax
11447 \global\let\@thanks\@empty
11448 \global\let\@author\@empty
11449 \global\let\@date\@empty
11450 \global\let\@title\@empty
11451 \global\let\title\relax
11452 \global\let\author\relax
11453 \global\let\date\relax
11454 \global\let\and\relax
11455 }
11456 \def\@maketitle{%
11457 \newpage
11458 \null
11459 \vskip 2em%
11460 \begin{center}%
11461 \let \footnote \thanks
11462 {\LARGE \@title \par}%
11463 \vskip 1.5em%
11464 {\large
11465 \lineskip .5em%
11466 \begin{tabular}[t]{c}%
11467 \@author
11468 \end{tabular}\par}%
11469 \vskip 1em%
11470 {\large \@date}%

```



```

11471 \end{center}%
11472 \par
11473 \vskip 1.5em}
11474 \fi
11475 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
11476 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11477 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11478 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

84 File extbook-xetex-bidi.def

```

11479 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
11480 \if@titlepage
11481 \renewcommand\maketitle{\begin{titlepage}%
11482 \let\footnotesize\small
11483 \let\right@footnoterule\relax
11484 \let\left@footnoterule\relax
11485 \let\textwidth\footnoterule\relax
11486 \let \footnote \thanks
11487 \let \LTRfootnote \LTRthanks
11488 \let \RTLfootnote \RTLthanks
11489 \null\vfil
11490 \vskip 60\p@
11491 \begin{center}%
11492 {\LARGE \@title \par}%
11493 \vskip 3em%
11494 {\large
11495 \lineskip .75em%
11496 \begin{tabular}[t]{c}%
11497 \@author
11498 \end{tabular}\par}%
11499 \vskip 1.5em%
11500 {\large \@date \par}% % Set date in \large size.
11501 \end{center}\par
11502 \@thanks
11503 \vfil\null
11504 \end{titlepage}%
11505 \setcounter{footnote}{0}%
11506 \global\let\thanks\relax
11507 \global\let\LTRthanks\relax
11508 \global\let\RTLthanks\relax
11509 \global\let\maketitle\relax
11510 \global\let\@thanks\@empty
11511 \global\let\@author\@empty
11512 \global\let\@date\@empty
11513 \global\let\@title\@empty
11514 \global\let\title\relax
11515 \global\let\author\relax
11516 \global\let\date\relax
11517 \global\let\and\relax
11518 }
11519 \else
11520 \renewcommand\maketitle{\par
11521 \begingroup

```



```

11522 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11523 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11524 \long\def\@makefntext##1{\parindent 1em\noindent
11525 \hb@xt@1.8em{%
11526 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11527 \if@twocolumn
11528 \ifnum \col@number=\@ne
11529 \@maketitle
11530 \else
11531 \twocolumn[\@maketitle]%
11532 \fi
11533 \else
11534 \newpage
11535 \global\@topnum\z@ % Prevents figures from going at top of page.
11536 \@maketitle
11537 \fi
11538 \thispagestyle{plain}\@thanks
11539 \endgroup
11540 \setcounter{footnote}{0}%
11541 \global\let\thanks\relax
11542 \global\let\LTRthanks\relax
11543 \global\let\RTLthanks\relax
11544 \global\let\maketitle\relax
11545 \global\let\@maketitle\relax
11546 \global\let\@thanks\@empty
11547 \global\let\@author\@empty
11548 \global\let\@date\@empty
11549 \global\let\@title\@empty
11550 \global\let\title\relax
11551 \global\let\author\relax
11552 \global\let\date\relax
11553 \global\let\and\relax
11554 }
11555 \def\@maketitle{%
11556 \newpage
11557 \null
11558 \vskip 2em%
11559 \begin{center}%
11560 \let \footnote \thanks
11561 \let \LTRfootnote \LTRthanks
11562 \let \RTLfootnote \RTLthanks
11563 {\LARGE \@title \par}%
11564 \vskip 1.5em%
11565 {\large
11566 \lineskip .5em%
11567 \begin{tabular}[t]{c}%
11568 \@author
11569 \end{tabular}\par}%
11570 \vskip 1em%
11571 {\large \@date}%
11572 \end{center}%
11573 \par
11574 \vskip 1.5em}
11575 \fi

```




```

11576 \renewcommand*\l@part[2]{%
11577   \ifnum \c@tocdepth >-2\relax
11578     \addpenalty{-\@highpenalty}%
11579     \addvspace{2.25em \@plus\p@}%
11580     \begingroup
11581       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11582       \parfillskip -\@pnumwidth
11583       {\leavevmode
11584         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11585       \nobreak
11586       \global\@nobreaktrue
11587       \everypar{\global\@nobreakfalse\everypar{}}%
11588     \endgroup
11589   \fi}
11590 \renewcommand\theequation
11591   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11592 \renewcommand \thefigure
11593   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11594 \renewcommand \thetable
11595   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11596 \renewcommand \thechapter {\@arabic\c@chapter}
11597 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11598 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11599 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11600 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11601 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11602 \def\@makechapterhead#1{%
11603   \vspace*{50\p@}%
11604   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11605     \ifnum \c@secnumdepth >\m@ne
11606       \if@mainmatter
11607         \huge\bfseries \@chapapp\space \thechapter
11608         \par\nobreak
11609         \vskip 20\p@
11610       \fi
11611     \fi
11612     \interlinepenalty\@M
11613     \Huge \bfseries #1\par\nobreak
11614     \vskip 40\p@
11615   }}
11616
11617 \def\@makeschapterhead#1{%
11618   \vspace*{50\p@}%
11619   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11620     \normalfont
11621     \interlinepenalty\@M
11622     \Huge \bfseries #1\par\nobreak
11623     \vskip 40\p@
11624   }}
11625 \renewcommand\backmatter{%
11626   \if@openright
11627     \cleardoublepage
11628   \else
11629     \clearpage

```



```

11630 \fi
11631 \@mainmatterfalse}
11632 \renewenvironment{thebibliography}[1]
11633   {\chapter*{\bibname
11634     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}}%
11635   {\ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
11636     \bidi@thebibliography@font@hook%
11637     \list{\@biblabel{\@arabic\c@enumiv}}%
11638       {\settowidth\labelwidth{\@biblabel{#1}}%
11639        \leftmargin\labelwidth
11640        \advance\leftmargin\labelsep
11641        \@openbib@code
11642        \usecounter{enumiv}}%
11643        \let\p@enumiv\@empty
11644        \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
11645   \sloppy
11646   \clubpenalty4000
11647   \@clubpenalty \clubpenalty
11648   \widowpenalty4000%
11649   \sfcode`. \@m}
11650   {\def\@noitemerr
11651     {\@latex@warning{Empty `thebibliography' environment}}}%
11652   \endlist}

```

85 File extletter-xetex-bidi.def

```

11653 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
11654 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11655   \thispagestyle{firstpage}%
11656   {\ifRTL\raggedright\else\raggedleft\fi\@date\par}%
11657   \else % home address
11658     \thispagestyle{empty}%
11659     {\ifRTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
11660       \fromaddress \*[2\parskip]%
11661       \@date \end{tabular}\par}%
11662   \fi
11663   \vspace{2\parskip}%
11664   {\ifRTL\raggedleft\else\raggedright\fi \toname \[2\parskip] \toaddress \par}%
11665   \vspace{2\parskip}%
11666   #1\par\nobreak}
11667 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
11668   \stopbreaks
11669   \noindent
11670   \ifx\@empty\fromaddress\else
11671     \hspace*{\longindentation}\fi
11672   \parbox{\indentedwidth}{\ifRTL\raggedleft\else\raggedright\fi
11673     \ignorespaces #1\[[6\medskipamount]}%
11674     \ifx\@empty\fromsig
11675       \fromname
11676     \else \fromsig \fi\strut}%
11677   \par}
11678 \renewcommand\left@footnoterule{%
11679   \kern-\p@
11680   \hrule \@width .4\columnwidth

```



```

11681 \kern .6\p@}
11682 \renewcommand\right@footnoterule{%
11683 \kern-\p@
11684 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11685 \kern .6\p@}

```

86 File extrafootnotefeatures-xetex-bidi.def

```

11686 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2025/09/13 v2.8 bidi extra footnote feat
11687 \newdimen\bidi@columnwidth
11688 \def\bidi@floathook{%
11689 \bidi@columnwidth\columnwidth
11690 }
11691 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
11692 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
11693 \if@bidi@csundef{HLTR@@LTRfootnotetext}{}{%
11694 \ifHy@hyperfootnotes
11695 \let\@@H@@footnotetext\@footnotetext
11696 \let\@@HLTR@@LTRfootnotetext\@LTRfootnotetext
11697 \let\@@HRTL@@RTLfootnotetext\@RTLfootnotetext
11698 \let\@@H@@mpfootnotetext\@mpfootnotetext
11699 \let\@@HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
11700 \let\@@HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
11701 \fi
11702 }%
11703 }%
11704 }
11705 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
11706 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
11707 \if@bidi@csundef{HLTR@@LTRfootnotetext}{}{%
11708 \ifHy@hyperfootnotes
11709 \let\H@@footnotetext\@footnotetext
11710 \let\@footnotetext\@@H@@footnotetext
11711 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
11712 \let\@LTRfootnotetext\@@HLTR@@LTRfootnotetext
11713 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
11714 \let\@RTLfootnotetext\@@HRTL@@RTLfootnotetext
11715 \let\H@@mpfootnotetext\@mpfootnotetext
11716 \let\@mpfootnotetext\@@H@@mpfootnotetext
11717 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
11718 \let\@mpLTRfootnotetext\@@HLTR@@mpLTRfootnotetext
11719 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
11720 \let\@mpRTLfootnotetext\@@HRTL@@mpRTLfootnotetext
11721 \fi
11722 }%
11723 }%
11724 }
11725 \let\autofootnoterule\relax
11726 \let\rightfootnoterule\relax
11727 \let\leftfootnoterule\relax
11728 \let\textwidthfootnoterule\relax
11729 \let\LRfootnoterule\relax
11730 \def\footnoterule{\kern-3\p@
11731 \hrule \@width \columnwidth \kern 2.6\p@}

```



```

11732 \newcommand{\@preamnormalfmt}{%
11733   \parindent 1em%
11734   \noindent
11735 }
11736 \newcommand{\@normalfootfmt}[1]{%
11737   \@preamnormalfmt
11738   \footfootmark
11739   \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
11740   \@finalstrut\strutbox
11741 }
11742 \newcommand{\@normalRTLfootfmt}[1]{%
11743   \@preamnormalfmt
11744   \RTLfootfootmark
11745   \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
11746   \@finalstrut\strutbox
11747 }
11748 \newcommand{\@normalLTRfootfmt}[1]{%
11749   \@preamnormalfmt
11750   \LTRfootfootmark
11751   \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
11752   \@finalstrut\strutbox
11753 }
11754 \renewcommand{\@footnotetext}[1]{%
11755   \insert\footins{%
11756     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11757     \def\baselinestretch{\m@m@footnote@spacing}%
11758     \reset@font
11759     \foottextfont
11760     \@preamfntext
11761     \hsize\columnwidth
11762     \protected@edef\@currentlabel{%
11763       \csname p@footnote\endcsname\@thefnmark}%
11764     \color@begingroup
11765       \@normalfootfmt{#1}%
11766     \color@endgroup}%
11767     \m@m@mmf@prepare}
11768 \renewcommand{\@RTLfootnotetext}[1]{%
11769   \insert\footins{%
11770     \@RTLtrue%
11771     \def\baselinestretch{\m@m@footnote@spacing}%
11772     \reset@font
11773     \RTLfoottextfont
11774     \@preamfntext
11775     \hsize\columnwidth
11776     \protected@edef\@currentlabel{%
11777       \csname p@footnote\endcsname\@thefnmark}%
11778     \color@begingroup
11779       \@normalRTLfootfmt{#1}%
11780     \color@endgroup}%
11781     \m@m@mmf@prepare}
11782 \renewcommand{\@LTRfootnotetext}[1]{%
11783   \insert\footins{%
11784     \@RTLfalse%
11785     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

11786 \reset@font
11787 \LTRfoottextfont
11788 \@preamftext
11789 \hsize\columnwidth
11790 \protected@edef\@currentlabel{%
11791 \csname p@footnote\endcsname\@thefnmark}%
11792 \color@begingroup
11793 \@normalLTRfootfmt{#1}%
11794 \color@endgroup}%
11795 \m@m@mmf@prepare}
11796 \renewcommand{\@mpfootnotetext}[1]{%
11797 \global\setbox\@mpfootins\vbox{%
11798 \unvbox\@mpfootins
11799 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
11800 \def\baselinestretch{\m@m@footnote@spacing}%
11801 \reset@font%
11802 \foottextfont \hsize\columnwidth \@parboxrestore
11803 \protected@edef\@currentlabel{%
11804 \csname p@mpfootnote\endcsname\@thefnmark}%
11805 \color@begingroup
11806 \@normalfootfmt{#1}%
11807 \color@endgroup}}
11808 \renewcommand{\@mpLTRfootnotetext}[1]{%
11809 \global\setbox\@mpfootins\vbox{%
11810 \unvbox\@mpfootins
11811 \@RTLfalse
11812 \def\baselinestretch{\m@m@footnote@spacing}%
11813 \reset@font%
11814 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
11815 \protected@edef\@currentlabel{%
11816 \csname p@mpfootnote\endcsname\@thefnmark}%
11817 \color@begingroup
11818 \@normalLTRfootfmt{#1}%
11819 \color@endgroup}}
11820 \renewcommand{\@mpRTLfootnotetext}[1]{%
11821 \global\setbox\@mpfootins\vbox{%
11822 \unvbox\@mpfootins
11823 \@RTLtrue
11824 \def\baselinestretch{\m@m@footnote@spacing}%
11825 \reset@font%
11826 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11827 \protected@edef\@currentlabel{%
11828 \csname p@mpfootnote\endcsname\@thefnmark}%
11829 \color@begingroup
11830 \@normalRTLfootfmt{#1}%
11831 \color@endgroup}}
11832 \let\m@mold@footnotetext\@footnotetext
11833 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
11834 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11835 \let\m@mold@mpfootnotetext\@mpfootnotetext
11836 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
11837 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
11838 \bidi@ensure@newcommand{\normalfootnotes}{%
11839 \@bidi@before@Hy@hyperfootnotes

```



```

11840 \let\@footnotetext\m@mold@footnotetext
11841 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
11842 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11843 \let\@mpfootnotetext\m@mold@mpfootnotetext
11844 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
11845 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
11846 \@bidi@after@Hy@hyperfootnotes
11847 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11848 }
11849 \IfClassLoadedT{memoir}{\let\plainfootnotes\normalfootnotes}
11850 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
11851   \def\m@m@singlespace{#1}%
11852   \def\m@m@footnote@spacing{#1}%
11853   \def\m@m@float@spacing{#1} %
11854 }
11855 \setSingleSpace{1}
11856 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
11857 \bidi@ensure@newcommand*{\m@m@mmf@prepare}{%
11858   \kern-\multiplefootnotemarker
11859   \kern\multiplefootnotemarker\relax}
11860 \bidi@ensure@newlength{footmarkwidth}
11861 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
11862 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
11863 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
11864 \bidi@ensure@newcommand{\footfootmark}{%
11865   \ifdim\footmarkwidth < \z@
11866     \llap{\hb@xt@ -\footmarkwidth{%
11867       \hss\normalfont\footscript{\@thefnmark}}}%
11868     \hspace*{-\footmarkwidth}}%
11869   \else
11870     \ifdim\footmarkwidth = \z@
11871       {\normalfont\footscript{\@thefnmark}}%
11872     \else
11873       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
11874     \fi
11875   \fi}
11876 \bidi@ensure@newcommand{\LTRfootfootmark}{%
11877   \ifdim\footmarkwidth < \z@
11878     \llap{\hb@xt@ -\footmarkwidth{%
11879       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
11880     \hspace*{-\footmarkwidth}}%
11881   \else
11882     \ifdim\footmarkwidth = \z@
11883       {\normalfont\LTRfootscript{\@thefnmark}}%
11884     \else
11885       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
11886     \fi
11887   \fi}
11888 \bidi@ensure@newcommand{\RTLfootfootmark}{%
11889   \ifdim\footmarkwidth < \z@
11890     \llap{\hb@xt@ -\footmarkwidth{%
11891       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
11892     \hspace*{-\footmarkwidth}}%
11893   \else

```



```

11894 \ifdim\footmarkwidth = \z@
11895   {\normalfont\RTLfootscript{\@thefnmark}}%
11896 \else
11897   \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
11898 \fi
11899 \fi}
11900 \footmarkstyle{\textsuperscript{#1}}
11901 \LTRfootmarkstyle{\textsuperscript{#1}}
11902 \RTLfootmarkstyle{\textsuperscript{#1}}
11903 \newcommand*{\bidi@normal@footmarkwidth}{%
11904   \setlength{\footmarkwidth}{1em plus.3em minus.3em}%
11905 }
11906 \newcommand*{\bidi@star@footmarkwidth}{%
11907   \setlength{\footmarkwidth}{0em plus.3em minus.3em}%
11908 }
11909 \bidi@normal@footmarkwidth
11910 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
11911 \bidi@ensure@newcommand*{\extrafeetins}{%
11912   \bidi@joinfootnotes\footinsv@r\@footstartv@r\@footgroupv@r
11913   \bidi@joinfootnotes\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11914   \bidi@joinfootnotes\@bidi@copyins@}{\unvbox\@bidi@copyins@}%
11915   \extrafeetinshook}
11916 \bidi@ensure@newcommand{\extrafeetinshook}{%
11917   \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
11918   \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
11919   \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
11920   \bidi@ensure@newlength{\footinsdim}
11921   \setlength{\footinsdim}{8in} % standard for \dimen\footins
11922   \bidi@ensure@newcommand{\@preamfntext}{%
11923     \interlinepenalty\interfootnotelinepenalty
11924     \floatingpenalty \@MM
11925     \splittopskip=\footnotesep
11926     \splitmaxdepth=\dp\strutbox
11927     \@parboxrestore}
11928 \def\bidi@ifmulticol#1#2{\@tempswafalse
11929   \ifnum\col@number>\@ne
11930     \ifnum\count\footins>1999 \@tempwattrue \fi
11931   \fi
11932   \if@tempswa #1\else #2\fi
11933 }
11934 \def\bidi@joinfootnotes#1#2#3{%
11935   \ifvoid#1
11936   \else
11937     \@tempskipa\skip#1%
11938     \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
11939     \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
11940     \bidi@removexfootskip
11941     \ifvoid\footins
11942       \global\setbox\footins\vbox{#2#3}%
11943     \else
11944       \global\setbox\footins\vbox{%
11945         \unvbox\footins
11946         \bidi@footskip
11947         #2#3%

```



```

11948     }%
11949     \fi
11950 \fi
11951 }
11952 \def\bidijoinmpfootnotes#1#2#3{%
11953   \ifvoid#1
11954   \else
11955     \@tempskipa\skip#1%
11956     \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
11957     \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
11958     \bidi@removexfootskip
11959     \ifvoid\@mpfootins
11960     \global\setbox\@mpfootins\vbox{#2#3}%
11961     \else
11962       \global\setbox\@mpfootins\vbox{%
11963         \unvbox\@mpfootins
11964         \bidi@footskip
11965         #2#3%
11966       }%
11967     \fi
11968 \fi
11969 }
11970 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
11971   \extrafeetminihook}
11972 \bidi@ensure@newcommand{\extrafeetendmini}{%
11973   \bidijoinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
11974   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
11975   \extrafeetendminihook}
11976 \bidi@ensure@newcommand{\extrafeetendminihook}{%
11977   \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
11978 \def\endminipage{%
11979   \par
11980   \unskip
11981   \m@mdoextrafeetendmini
11982   \ifvoid\@mpfootins
11983   \else
11984     \vskip\skip\@mpfootins
11985     \normalcolor
11986     \footnoterule
11987     \unvbox\@mpfootins
11988   \fi
11989   \@minipagefalse
11990   \color@endgroup
11991   \egroup
11992   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11993 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
11994   \@namedef{\footstart#1}{%
11995     \leftskip=\z@
11996     \rightskip=\z@
11997     \parindent=\z@
11998   }%
11999 }
12000 \newinsert\footinsv@r
12001 \skip\footinsv@r\skip\footins

```




```

12002 \count\footinsv@r=1000 % no magnification
12003 \dimen\footinsv@r=\footinsdim
12004 \m@make@footstart{v@r}
12005 \newinsert\footinsv@l
12006 \skip\footinsv@l\skip\footins
12007 \count\footinsv@l=1000 % no magnification
12008 \dimen\footinsv@l=\footinsdim
12009 \m@make@footstart{v@l}
12010 \bidi@ensure@newcommand{\@footgroupv@r}{\}
12011 \newinsert\@mpfootinsv@r
12012 \skip\@mpfootinsv@r\skip\@mpfootins
12013 \newinsert\@mpfootinsv@l
12014 \skip\@mpfootinsv@l\skip\@mpfootins
12015 \bidi@ensure@newcommand{\mp@footgroupv@r}{\}
12016 \newcount\m@m@k \newdimen\m@m@h
12017 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12018 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12019 \valign{##\vfill\cr\m@m@dosplits}\endR}}
12020 \newcommand*{\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12021 \@@line{\beginL\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12022 \valign{##\vfill\cr\m@m@dosplits}\endL}}
12023 \bidi@ensure@newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
12024 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
12025 \bidi@ensure@newcommand*{\m@m@splitoff}{\dimen0=\ht0
12026 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
12027 \setbox2 \vsplit0 to \dimen0
12028 \unvbox2 }
12029 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
12030 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12031 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12032 \@bidi@before@Hy@hyperfootnotes
12033 \let\@footnotetext\@twocolfootnotetext
12034 \let\@LTRfootnotetext\@twocolLTRfootnotetext
12035 \let\@RTLfootnotetext\@twocolRTLfootnotetext
12036 \dimen\footinsv@r=2\footinsdim
12037 \count\footinsv@r=500\relax
12038 \m@make@twocol@footgroup{v@r}%
12039 \let\@footgroupv@r\@twocol@footgroupv@r
12040 \dimen\footinsv@l=2\footinsdim
12041 \count\footinsv@l=500\relax
12042 \bidi@make@twocol@LTRfootgroup{v@l}%
12043 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12044 \let\@mpfootnotetext\@mptwocolfootnotetext
12045 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
12046 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
12047 \@bidi@after@Hy@hyperfootnotes
12048 \m@make@mptwocol@footgroup{v@r}%
12049 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12050 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12051 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12052 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12053 }
12054 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert
12055 \if@RTL@footnote

```



```

12056 \footinsv@r
12057 \else
12058 \footinsv@l
12059 \fi
12060 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12061 \def\baselinestretch{\m@{footnote@spacing}%
12062 \reset@font\foottextfont
12063 \@preamftext
12064 \protected@edef\@currentlabel{%
12065 \csname p@footnote\endcsname\@thefnmark}%
12066 \color@begingroup
12067 \@twocolfootfmt{#1}%
12068 \color@endgroup}%
12069 \m@{mmf@prepare}
12070 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12071 \def\baselinestretch{\m@{footnote@spacing}%
12072 \reset@font\LTRfoottextfont
12073 \@preamftext
12074 \protected@edef\@currentlabel{%
12075 \csname p@footnote\endcsname\@thefnmark}%
12076 \color@begingroup
12077 \@twocolLTRfootfmt{#1}%
12078 \color@endgroup}%
12079 \m@{mmf@prepare}
12080 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12081 \def\baselinestretch{\m@{footnote@spacing}%
12082 \reset@font\RTLfoottextfont
12083 \@preamftext
12084 \protected@edef\@currentlabel{%
12085 \csname p@footnote\endcsname\@thefnmark}%
12086 \color@begingroup
12087 \@twocolRTLfootfmt{#1}%
12088 \color@endgroup}%
12089 \m@{mmf@prepare}
12090 \bidi@ensure@newcommand{\@preamtwofmt}{%
12091 \hspace{.45\hsize
12092 \parindent=\z@
12093 \tolerance=5000\relax
12094 \leavevmode}
12095 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
12096 \@preamtwofmt
12097 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12098 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
12099 \@preamtwofmt
12100 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12101 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12102 \@preamtwofmt
12103 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12104 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12105 \global\setbox
12106 \if@RTL@footnote
12107 \@mpfootinsv@r
12108 \else
12109 \@mpfootinsv@l

```



```

12110 \fi
12111 \vbox{%
12112   \unvbox
12113   \if@RTL@footnote
12114   \@mpfootinsv@r
12115 \else
12116   \@mpfootinsv@l
12117 \fi
12118 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12119 \def\baselinestretch{\m@m@footnote@spacing}%
12120 \reset@font\foottextfont
12121 \hsize\columnwidth \@parboxrestore
12122 \protected@edef\@currentlabel{%
12123   \csname p@mpfootnote\endcsname\@thefnmark}%
12124 \color@begingroup
12125   \@twocolfootfmt{#1}%
12126 \color@endgroup}%
12127 \m@mmf@prepare}
12128 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12129   \global\setbox\@mpfootinsv@l\vbox{%
12130     \unvbox\@mpfootinsv@l
12131     \@RTLfalse
12132     \def\baselinestretch{\m@m@footnote@spacing}%
12133     \reset@font\LTRfoottextfont
12134     \hsize\columnwidth \@parboxrestore
12135     \protected@edef\@currentlabel{%
12136       \csname p@mpfootnote\endcsname\@thefnmark}%
12137   \color@begingroup
12138     \@twocolLTRfootfmt{#1}%
12139   \color@endgroup}%
12140 \m@mmf@prepare}
12141 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
12142   \global\setbox\@mpfootinsv@r\vbox{%
12143     \unvbox\@mpfootinsv@r
12144     \@RTLtrue
12145     \def\baselinestretch{\m@m@footnote@spacing}%
12146     \reset@font\RTLfoottextfont
12147     \hsize\columnwidth \@parboxrestore
12148     \protected@edef\@currentlabel{%
12149       \csname p@mpfootnote\endcsname\@thefnmark}%
12150   \color@begingroup
12151     \@twocolRTLfootfmt{#1}%
12152   \color@endgroup}%
12153 \m@mmf@prepare}
12154 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
12155   \@namedef{@twocol@footgroup#1}{%
12156     \def\baselinestretch{\m@m@footnote@spacing}%
12157     \hsize\bidi@columnwidth
12158     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12159     \m@r@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
12160 \newcommand{\bidi@make@twocol@LTRfootgroup}[1]{%
12161   \@namedef{@twocol@LTRfootgroup#1}{%
12162     \def\baselinestretch{\m@m@footnote@spacing}%
12163     \hsize\bidi@columnwidth

```



```

12164 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12165 \bidi@LTRrigidbalance{\nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12166 \bidi@ensure@newcommand{\m@make@mp@twocol@footgroup}[1]{%
12167 \namedef{\m@make@mp@twocol@footgroup#1}{%
12168 \def\baselinestretch{\m@make@mp@footnote@spacing}%
12169 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12170 \m@make@mp@rigidbalance{\nameuse{mp@footins#1}}{\tw@}{\splittopskip}}}}
12171 \newcommand{\bidi@make@mp@twocol@LTRfootgroup}[1]{%
12172 \namedef{\m@make@mp@twocol@LTRfootgroup#1}{%
12173 \def\baselinestretch{\m@make@mp@footnote@spacing}%
12174 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12175 \bidi@LTRrigidbalance{\nameuse{mp@footins#1}}{\tw@}{\splittopskip}}}}
12176 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12177 \namedef{\foottextfontv@r}{\foottextfont}% % [RS]
12178 \namedef{\foottextfontv@l}{\LTRfoottextfont}%
12179 \@bidi@before@Hy@hyperfootnotes
12180 \let\@footnotetext\@threecolfootnotetext
12181 \let\@LTRfootnotetext\@threecolLTRfootnotetext
12182 \let\@RTLfootnotetext\@threecolRTLfootnotetext
12183 \dimen\footinsv@r=3\footinsdim
12184 \count\footinsv@r=333\relax
12185 \m@make@threecol@footgroup{v@r}%
12186 \let\@footgroupv@r\@threecol@footgroupv@r
12187 \dimen\footinsv@l=3\footinsdim
12188 \count\footinsv@l=333\relax
12189 \bidi@make@threecol@LTRfootgroup{v@l}%
12190 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12191 \let\@mpfootnotetext\@mpthreecolfootnotetext
12192 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
12193 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
12194 \@bidi@after@Hy@hyperfootnotes
12195 \m@make@mpthreecol@footgroup{v@r}%
12196 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12197 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12198 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12199 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12200 }
12201 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12202 \if@RTL@footnote
12203 \footinsv@r
12204 \else
12205 \footinsv@l
12206 \fi
12207 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12208 \def\baselinestretch{\m@make@mp@footnote@spacing}%
12209 \reset@font\foottextfont
12210 \@preamfntext
12211 \protected@edef\@currentlabel{%
12212 \csname p@footnote\endcsname\@thefnmark}%
12213 \color@begingroup
12214 \@threecolfootfmt{#1}%
12215 \color@endgroup}\m@mmf@prepare}
12216 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12217 \def\baselinestretch{\m@make@mp@footnote@spacing}%

```



```

12218 \reset@font\LTRfoottextfont
12219 \@preamfntext
12220 \protected@edef\@currentlabel{%
12221   \csname p@footnote\endcsname\@thefnmark}%
12222 \color@begingroup
12223   \@threecolLTRfootfmt{#1}%
12224 \color@endgroup}\m@mmf@prepare}
12225 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12226   \def\baselinestretch{\m@m@footnote@spacing}%
12227   \reset@font\RTLfoottextfont
12228   \@preamfntext
12229   \protected@edef\@currentlabel{%
12230     \csname p@footnote\endcsname\@thefnmark}%
12231   \color@begingroup
12232     \@threecolRTLfootfmt{#1}%
12233   \color@endgroup}\m@mmf@prepare}
12234 \bidi@ensure@newcommand{\@preamthreefmt}{%
12235   \hsize .3\hsize
12236   \parindent=\z@
12237   \tolerance=5000\relax
12238   \leavevmode}
12239 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12240   \@preamthreefmt
12241   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12242 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12243   \@preamthreefmt
12244   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12245 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
12246   \@preamthreefmt
12247   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12248 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12249   \global\setbox
12250     \if@RTL@footnote
12251     \@mpfootinsv@r
12252   \else
12253     \@mpfootinsv@l
12254   \fi
12255   \vbox{%
12256     \unvbox
12257     \if@RTL@footnote
12258     \@mpfootinsv@r
12259   \else
12260     \@mpfootinsv@l
12261   \fi
12262   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12263   \def\baselinestretch{\m@m@footnote@spacing}%
12264   \reset@font\foottextfont
12265   \hsize\columnwidth \@parboxrestore
12266   \protected@edef\@currentlabel{%
12267     \csname p@mpfootnote\endcsname\@thefnmark}%
12268   \color@begingroup
12269     \@threecolfootfmt{#1}%
12270   \color@endgroup}\m@mmf@prepare}
12271 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%

```



```

12272 \global\setbox\@mpfootinsv@l\vbox{%
12273   \unvbox\@mpfootinsv@l
12274   \RTLfalse
12275   \def\baselinestretch{\m@m@footnote@spacing}%
12276   \reset@font\LTRfoottextfont
12277   \hsize\columnwidth \@parboxrestore
12278   \protected@edef\@currentlabel{%
12279     \csname p@mpfootnote\endcsname\@thefnmark}%
12280   \color@begingroup
12281     \@threecolLTRfootfmt{#1}%
12282   \color@endgroup}\m@mmf@prepare}
12283 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
12284   \global\setbox\@mpfootinsv@r\vbox{%
12285     \unvbox\@mpfootinsv@r
12286     \RTLtrue
12287     \def\baselinestretch{\m@m@footnote@spacing}%
12288     \reset@font\RTLfoottextfont
12289     \hsize\columnwidth \@parboxrestore
12290     \protected@edef\@currentlabel{%
12291       \csname p@mpfootnote\endcsname\@thefnmark}%
12292     \color@begingroup
12293       \@threecolRTLfootfmt{#1}%
12294     \color@endgroup}\m@mmf@prepare}
12295 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12296   \@namedef{\@threecol@footgroup#1}{%
12297     \def\baselinestretch{\m@m@footnote@spacing}%
12298     \hsize\bidi@columnwidth
12299     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12300     \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@{\splittopskip}}}}
12301 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12302   \@namedef{\@threecol@LTRfootgroup#1}{%
12303     \def\baselinestretch{\m@m@footnote@spacing}%
12304     \hsize\bidi@columnwidth
12305     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12306     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@@{\splittopskip}}}}
12307 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12308   \@namedef{\@mpthreecol@footgroup#1}{%
12309     \def\baselinestretch{\m@m@footnote@spacing}%
12310     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12311     \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{\thr@@{\splittopskip}}}}
12312 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12313   \@namedef{\@mpthreecol@LTRfootgroup#1}{%
12314     \def\baselinestretch{\m@m@footnote@spacing}%
12315     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12316     \bidi@LTRrigidbalance{\@nameuse{\@mpfootins#1}}{\thr@@{\splittopskip}}}}
12317 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12318   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12319   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12320   \@bidi@before@Hy@hyperfootnotes
12321   \let\@footnotetext\@fourcolfootnotetext
12322   \let\@LTRfootnotetext\@fourcolLTRfootnotetext
12323   \let\@RTLfootnotetext\@fourcolRTLfootnotetext
12324   \dimen\footinsv@r=4\footinsdim
12325   \count\footinsv@r=250\relax

```



```

12326 \m@make@fourcol@footgroup{v@r}%
12327 \let\@footgroupv@r\@fourcol@footgroupv@r
12328 \dimen\footinsv@l=4\footinsdim
12329 \count\footinsv@l=250\relax
12330 \bidi@make@fourcol@LTRfootgroup{v@l}%
12331 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12332 \let\@mpfootnotetext\@mpfourcolfootnotetext
12333 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
12334 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
12335 \@bidi@after@Hy@hyperfootnotes
12336 \m@make@mpfourcol@footgroup{v@r}%
12337 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12338 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12339 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12340 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12341 }
12342 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12343 \ifRTL@footnote
12344 \footinsv@r
12345 \else
12346 \footinsv@l
12347 \fi
12348 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12349 \def\baselinestretch{\m@m@footnote@spacing}%
12350 \reset@font\foottextfont
12351 \@preamfntext
12352 \protected@edef\@currentlabel{%
12353 \csname p@footnote\endcsname\@thefnmark}%
12354 \color@begingroup
12355 \@fourcolfootfmt{#1}%
12356 \color@endgroup}%
12357 \m@mmf@prepare}
12358 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12359 \def\baselinestretch{\m@m@footnote@spacing}%
12360 \reset@font\LTRfoottextfont
12361 \@preamfntext
12362 \protected@edef\@currentlabel{%
12363 \csname p@footnote\endcsname\@thefnmark}%
12364 \color@begingroup
12365 \@fourcolLTRfootfmt{#1}%
12366 \color@endgroup}%
12367 \m@mmf@prepare}
12368 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12369 \def\baselinestretch{\m@m@footnote@spacing}%
12370 \reset@font\RTLfoottextfont
12371 \@preamfntext
12372 \protected@edef\@currentlabel{%
12373 \csname p@footnote\endcsname\@thefnmark}%
12374 \color@begingroup
12375 \@fourcolRTLfootfmt{#1}%
12376 \color@endgroup}%
12377 \m@mmf@prepare}
12378 \bidi@ensure@newcommand{\@preamfourfmt}{%
12379 \hspace .25\hspace

```



```

12380 \parindent=\z@
12381 \tolerance=5000\relax
12382 \leavevmode}
12383 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
12384 \@preamfourfmt
12385 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12386 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
12387 \@preamfourfmt
12388 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12389 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
12390 \@preamfourfmt
12391 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12392 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
12393 \global\setbox
12394 \if@RTL@footnote
12395 \@mpfootinsv@r
12396 \else
12397 \@mpfootinsv@l
12398 \fi
12399 \vbox{%
12400 \unvbox
12401 \if@RTL@footnote
12402 \@mpfootinsv@r
12403 \else
12404 \@mpfootinsv@l
12405 \fi
12406 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12407 \def\baselinestretch{\m@m@footnote@spacing}%
12408 \reset@font\foottextfont
12409 \hsize\columnwidth \@parboxrestore
12410 \protected@edef\@currentlabel{%
12411 \csname p@mpfootnote\endcsname\@thefnmark}%
12412 \color@begingroup
12413 \@fourcolfootfmt{#1}%
12414 \color@endgroup}%
12415 \m@m@mmf@prepare}
12416 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
12417 \global\setbox\@mpfootinsv@l\vbox{%
12418 \unvbox\@mpfootinsv@l
12419 \@RTLfalse
12420 \def\baselinestretch{\m@m@footnote@spacing}%
12421 \reset@font\LTRfoottextfont
12422 \hsize\columnwidth \@parboxrestore
12423 \protected@edef\@currentlabel{%
12424 \csname p@mpfootnote\endcsname\@thefnmark}%
12425 \color@begingroup
12426 \@fourcolLTRfootfmt{#1}%
12427 \color@endgroup}%
12428 \m@m@mmf@prepare}
12429 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
12430 \global\setbox\@mpfootinsv@r\vbox{%
12431 \unvbox\@mpfootinsv@r
12432 \@RTLtrue
12433 \def\baselinestretch{\m@m@footnote@spacing}%

```




```

12434 \reset@font\RTLfoottextfont
12435 \hsize\columnwidth \@parboxrestore
12436 \protected@edef\@currentlabel{%
12437 \csname p@mpfootnote\endcsname\@thefnmark}%
12438 \color@begingroup
12439 \@fourcolRTLfootfmt{#1}%
12440 \color@endgroup}%
12441 \m@mfmf@prepare}
12442 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
12443 \@namedef{\@fourcol@footgroup#1}{%
12444 \def\baselinestretch{\m@m@footnote@spacing}%
12445 \hsize\bidi@columnwidth
12446 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12447 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
12448 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
12449 \@namedef{\@fourcol@LTRfootgroup#1}{%
12450 \def\baselinestretch{\m@m@footnote@spacing}%
12451 \hsize\bidi@columnwidth
12452 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12453 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
12454 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
12455 \@namedef{\@mpfourcol@footgroup#1}{%
12456 \def\baselinestretch{\m@m@footnote@spacing}%
12457 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12458 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{4}{\splittopskip}}}}
12459 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
12460 \@namedef{\@mpfourcol@LTRfootgroup#1}{%
12461 \def\baselinestretch{\m@m@footnote@spacing}%
12462 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12463 \bidi@LTRrigidbalance{\@nameuse{\@mpfootins#1}}{4}{\splittopskip}}}}
12464 \bidi@ensure@newcommand{\@fivecolumnfootnotes}{%
12465 \@namedef{foottextfontv@r}{\foottextfont}% \[RS]
12466 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12467 \@bidi@before@Hy@hyperfootnotes
12468 \let\@footnotetext\@fivecolfootnotetext
12469 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
12470 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
12471 \dimen\footinsv@r=5\footinsdim
12472 \count\footinsv@r=200\relax
12473 \m@make@fivecol@footgroup{v@r}%
12474 \let\@footgroupv@r\@fivecol@footgroupv@r
12475 \dimen\footinsv@l=5\footinsdim
12476 \count\footinsv@l=200\relax
12477 \bidi@make@fivecol@LTRfootgroup{v@l}%
12478 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
12479 \let\@mpfootnotetext\@mpfivecolfootnotetext
12480 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
12481 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
12482 \@bidi@after@Hy@hyperfootnotes
12483 \m@make@mpfivecol@footgroup{v@r}%
12484 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
12485 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
12486 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
12487 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth

```



```

12488 }
12489 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
12490   \if@RTL@footnote
12491     \footinsv@r
12492   \else
12493     \footinsv@l
12494   \fi
12495 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12496   \def\baselinestretch{\m@m@footnote@spacing}%
12497   \reset@font\foottextfont
12498   \@preamfntext
12499   \protected@edef\@currentlabel{%
12500     \csname p@footnote\endcsname\@thefnmark}%
12501   \color@begingroup
12502     \@fivecolfootfmt{#1}%
12503   \color@endgroup}%
12504   \m@mmf@prepare}
12505 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12506   \def\baselinestretch{\m@m@footnote@spacing}%
12507   \reset@font\LTRfoottextfont
12508   \@preamfntext
12509   \protected@edef\@currentlabel{%
12510     \csname p@footnote\endcsname\@thefnmark}%
12511   \color@begingroup
12512     \@fivecolLTRfootfmt{#1}%
12513   \color@endgroup}%
12514   \m@mmf@prepare}
12515 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12516   \def\baselinestretch{\m@m@footnote@spacing}%
12517   \reset@font\RTLfoottextfont
12518   \@preamfntext
12519   \protected@edef\@currentlabel{%
12520     \csname p@footnote\endcsname\@thefnmark}%
12521   \color@begingroup
12522     \@fivecolRTLfootfmt{#1}%
12523   \color@endgroup}%
12524   \m@mmf@prepare}
12525 \bidi@ensure@newcommand{\@preamfivefmt}{%
12526   \hsize .2\hsize
12527   \parindent=\z@
12528   \tolerance=5000\relax
12529   \leavevmode}
12530 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
12531   \@preamfivefmt
12532   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12533 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
12534   \@preamfivefmt
12535   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12536 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
12537   \@preamfivefmt
12538   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12539 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
12540   \global\setbox
12541     \if@RTL@footnote

```



```

12542 \mpfootinsv@r
12543 \else
12544 \mpfootinsv@l
12545 \fi
12546 \vbox{%
12547 \unvbox
12548 \if@RTL@footnote
12549 \mpfootinsv@r
12550 \else
12551 \mpfootinsv@l
12552 \fi
12553 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12554 \def\baselinestretch{\m@m@footnote@spacing}%
12555 \reset@font\foottextfont
12556 \hsize\columnwidth \@parboxrestore
12557 \protected@edef\@currentlabel{%
12558 \csname p@mpfootnote\endcsname\@thefnmark}%
12559 \color@begingroup
12560 \@fivecolfootfmt{#1}%
12561 \color@endgroup}%
12562 \m@m@mmf@prepare}
12563 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
12564 \global\setbox\@mpfootinsv@l\vbox{%
12565 \unvbox\@mpfootinsv@l
12566 \@RTLfalse
12567 \def\baselinestretch{\m@m@footnote@spacing}%
12568 \reset@font\LTRfoottextfont
12569 \hsize\columnwidth \@parboxrestore
12570 \protected@edef\@currentlabel{%
12571 \csname p@mpfootnote\endcsname\@thefnmark}%
12572 \color@begingroup
12573 \@fivecolLTRfootfmt{#1}%
12574 \color@endgroup}%
12575 \m@m@mmf@prepare}
12576 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
12577 \global\setbox\@mpfootinsv@r\vbox{%
12578 \unvbox\@mpfootinsv@r
12579 \@RTLtrue
12580 \def\baselinestretch{\m@m@footnote@spacing}%
12581 \reset@font\RTLfoottextfont
12582 \hsize\columnwidth \@parboxrestore
12583 \protected@edef\@currentlabel{%
12584 \csname p@mpfootnote\endcsname\@thefnmark}%
12585 \color@begingroup
12586 \@fivecolRTLfootfmt{#1}%
12587 \color@endgroup}%
12588 \m@m@mmf@prepare}
12589 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
12590 \@namedef{\@fivecol@footgroup#1}{%
12591 \def\baselinestretch{\m@m@footnote@spacing}%
12592 \hsize\@bidi@columnwidth
12593 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12594 \m@r@rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
12595 \newcommand{\bidi@make@fivecol@LTRfootgroup}[1]{%

```



```

12596 \@namedef{@fivecol@LTRfootgroup#1}{%
12597 \def\baselinestretch{\m@m@footnote@spacing}%
12598 \hspace\bidic@columnwidth
12599 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12600 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
12601 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
12602 \@namedef{@mpfivecol@footgroup#1}{%
12603 \def\baselinestretch{\m@m@footnote@spacing}%
12604 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12605 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
12606 \newcommand{\bidi@make@mpfivecol@LTRfootgroup}[1]{%
12607 \@namedef{@mpfivecol@LTRfootgroup#1}{%
12608 \def\baselinestretch{\m@m@footnote@spacing}%
12609 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12610 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
12611 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
12612 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12613 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12614 \@bidi@before@Hy@hyperfootnotes
12615 \let\@footnotetext\@sixcolfootnotetext
12616 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
12617 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
12618 \dimen\footinsv@r=6\footinsdim
12619 \count\footinsv@r=166\relax
12620 \m@make@sixcol@footgroup{v@r}%
12621 \let\@footgroupv@r\@sixcol@footgroupv@r
12622 \dimen\footinsv@l=6\footinsdim
12623 \count\footinsv@l=166\relax
12624 \bidi@make@sixcol@LTRfootgroup{v@l}%
12625 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
12626 \let\@mpfootnotetext\@mpsixcolfootnotetext
12627 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
12628 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
12629 \@bidi@after@Hy@hyperfootnotes
12630 \m@make@mpsixcol@footgroup{v@r}%
12631 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
12632 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
12633 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
12634 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12635 }
12636 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
12637 \if@RTL@footnote
12638 \footinsv@r
12639 \else
12640 \footinsv@l
12641 \fi
12642 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12643 \def\baselinestretch{\m@m@footnote@spacing}%
12644 \reset@font\foottextfont
12645 \@preamfntext
12646 \protected@edef\@currentlabel{%
12647 \csname p@footnote\endcsname\@thefnmark}%
12648 \color@begingroup
12649 \@sixcolfootfmt{#1}%

```



```

12650 \color@endgroup}%
12651 \m@mmf@prepare}
12652 \bidi@ensure@newcommand{\@sixcollTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12653 \def\baselinestretch{\m@m@footnote@spacing}%
12654 \reset@font\LTRfoottextfont
12655 \@preamfntext
12656 \protected@edef\@currentlabel{%
12657 \csname p@footnote\endcsname\@thefnmark}%
12658 \color@begingroup
12659 \@sixcollTRfootfmt{#1}%
12660 \color@endgroup}%
12661 \m@mmf@prepare}
12662 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12663 \def\baselinestretch{\m@m@footnote@spacing}%
12664 \reset@font\RTLfoottextfont
12665 \@preamfntext
12666 \protected@edef\@currentlabel{%
12667 \csname p@footnote\endcsname\@thefnmark}%
12668 \color@begingroup
12669 \@sixcolRTLfootfmt{#1}%
12670 \color@endgroup}%
12671 \m@mmf@prepare}
12672 \bidi@ensure@newcommand{\@preamsixfmt}{%
12673 \hspace{.16\hspace}
12674 \parindent=\z@
12675 \tolerance=5000\relax
12676 \leavevmode}
12677 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
12678 \@preamsixfmt
12679 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12680 \bidi@ensure@newcommand{\@sixcollTRfootfmt}[1]{%
12681 \@preamsixfmt
12682 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12683 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
12684 \@preamsixfmt
12685 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12686 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{%
12687 \global\setbox
12688 \if@RTL@footnote
12689 \@mpfootinsv@r
12690 \else
12691 \@mpfootinsv@l
12692 \fi
12693 \vbox{%
12694 \unvbox
12695 \if@RTL@footnote
12696 \@mpfootinsv@r
12697 \else
12698 \@mpfootinsv@l
12699 \fi
12700 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12701 \def\baselinestretch{\m@m@footnote@spacing}%
12702 \reset@font\foottextfont
12703 \hspace\columnwidth \@parboxrestore

```



```

12704 \protected@edef\@currentlabel{%
12705 \csname p@mpfootnote\endcsname\@thefnmark}%
12706 \color@begingroup
12707 \@sixcolfootfmt{#1}%
12708 \color@endgroup}%
12709 \m@mmf@prepare}
12710 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{%
12711 \global\setbox\@mpfootinsv@l\vbox{%
12712 \unvbox\@mpfootinsv@l
12713 \@RTLfalse
12714 \def\baselinestretch{\m@m@footnote@spacing}%
12715 \reset@font\LTRfoottextfont
12716 \hsize\columnwidth \@parboxrestore
12717 \protected@edef\@currentlabel{%
12718 \csname p@mpfootnote\endcsname\@thefnmark}%
12719 \color@begingroup
12720 \@sixcolLTRfootfmt{#1}%
12721 \color@endgroup}%
12722 \m@mmf@prepare}
12723 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{%
12724 \global\setbox\@mpfootinsv@r\vbox{%
12725 \unvbox\@mpfootinsv@r
12726 \@RTLtrue
12727 \def\baselinestretch{\m@m@footnote@spacing}%
12728 \reset@font\RTLfoottextfont
12729 \hsize\columnwidth \@parboxrestore
12730 \protected@edef\@currentlabel{%
12731 \csname p@mpfootnote\endcsname\@thefnmark}%
12732 \color@begingroup
12733 \@sixcolRTLfootfmt{#1}%
12734 \color@endgroup}%
12735 \m@mmf@prepare}
12736 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
12737 \@namedef{\@sixcol@footgroup#1}{%
12738 \def\baselinestretch{\m@m@footnote@spacing}%
12739 \hsize\bidi@columnwidth
12740 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12741 \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
12742 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
12743 \@namedef{\@sixcol@LTRfootgroup#1}{%
12744 \def\baselinestretch{\m@m@footnote@spacing}%
12745 \hsize\bidi@columnwidth
12746 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12747 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
12748 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
12749 \@namedef{\@mpsixcol@footgroup#1}{%
12750 \def\baselinestretch{\m@m@footnote@spacing}%
12751 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12752 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
12753 \newcommand{\bidi@make@mpsixcol@LTRfootgroup}[1]{%
12754 \@namedef{\@mpsixcol@LTRfootgroup#1}{%
12755 \def\baselinestretch{\m@m@footnote@spacing}%
12756 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12757 \bidi@LTRrigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%

```



```

12758 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
12759   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12760   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12761   \@bidi@before@Hy@hyperfootnotes
12762   \let\@footnotetext\@sevendcolumnfootnotetext
12763   \let\@LTRfootnotetext\@sevendcolumnLTRfootnotetext
12764   \let\@RTLfootnotetext\@sevendcolumnRTLfootnotetext
12765   \dimen\footinsv@r=7\footinsdim
12766   \count\footinsv@r=142\relax
12767   \m@make@sevendcolumn@footgroup{v@r}%
12768   \let\@footgroupv@r\@sevendcolumn@footgroupv@r
12769   \dimen\footinsv@l=7\footinsdim
12770   \count\footinsv@l=142\relax
12771   \bidi@make@sevendcolumn@LTRfootgroup{v@l}%
12772   \let\@LTRfootgroupv@l\@sevendcolumn@LTRfootgroupv@l
12773   \let\@mpfootnotetext\@mpsevendcolumnfootnotetext
12774   \let\@mpLTRfootnotetext\@mpsevendcolumnLTRfootnotetext
12775   \let\@mpRTLfootnotetext\@mpsevendcolumnRTLfootnotetext
12776   \@bidi@after@Hy@hyperfootnotes
12777   \m@make@mpsevendcolumn@footgroup{v@r}%
12778   \let\mp@footgroupv@r\@mpsevendcolumn@footgroupv@r
12779   \bidi@make@mpsevendcolumn@LTRfootgroup{v@l}%
12780   \let\mp@LTRfootgroupv@l\@mpsevendcolumn@LTRfootgroupv@l
12781   \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12782 }
12783 \bidi@ensure@newcommand{\@sevendcolumnfootnotetext}[1]{\insert
12784   \if@RTL@footnote
12785     \footinsv@r
12786   \else
12787     \footinsv@l
12788   \fi
12789 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12790   \def\baselinestretch{\m@mm@footnote@spacing}%
12791   \reset@font\foottextfont
12792   \@preamfntext
12793   \protected@edef\@currentlabel{%
12794     \csname p@footnote\endcsname\@thefnmark}%
12795   \color@begingroup
12796     \@sevendcolumnfootfmt{#1}%
12797   \color@endgroup}%
12798   \m@mmf@prepare}
12799 \bidi@ensure@newcommand{\@sevendcolumnLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12800   \def\baselinestretch{\m@mm@footnote@spacing}%
12801   \reset@font\LTRfoottextfont
12802   \@preamfntext
12803   \protected@edef\@currentlabel{%
12804     \csname p@footnote\endcsname\@thefnmark}%
12805   \color@begingroup
12806     \@sevendcolumnLTRfootfmt{#1}%
12807   \color@endgroup}%
12808   \m@mmf@prepare}
12809 \bidi@ensure@newcommand{\@sevendcolumnRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12810   \def\baselinestretch{\m@mm@footnote@spacing}%
12811   \reset@font\RTLfoottextfont

```



```

12812 \@preamfntext
12813 \protected@edef\@currentlabel{%
12814   \csname p@footnote\endcsname\@thefnmark}%
12815 \color@begingroup
12816   \@sevencolRTLfootfmt{#1}%
12817 \color@endgroup}%
12818 \m@mmf@prepare}
12819 \bidi@ensure@newcommand{\@preamsevenfmt}{%
12820   \hspace{.142\hspace}
12821   \parindent=\z@
12822   \tolerance=5000\relax
12823   \leavevmode}
12824 \bidi@ensure@newcommand{\@sevencolfootfmt}[1]{%
12825   \@preamsevenfmt
12826   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12827 \bidi@ensure@newcommand{\@sevencolLTRfootfmt}[1]{%
12828   \@preamsevenfmt
12829   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12830 \bidi@ensure@newcommand{\@sevencolRTLfootfmt}[1]{%
12831   \@preamsevenfmt
12832   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12833 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{%
12834   \global\setbox
12835     \if@RTL@footnote
12836     \@mpfootinsv@r
12837   \else
12838     \@mpfootinsv@l
12839   \fi
12840   \vbox{%
12841     \unvbox
12842     \if@RTL@footnote
12843     \@mpfootinsv@r
12844   \else
12845     \@mpfootinsv@l
12846   \fi
12847   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12848   \def\baselinestretch{\m@m@footnote@spacing}%
12849   \reset@font\foottextfont
12850   \hspace\columnwidth \@parboxrestore
12851   \protected@edef\@currentlabel{%
12852     \csname p@mpfootnote\endcsname\@thefnmark}%
12853   \color@begingroup
12854     \@sevencolfootfmt{#1}%
12855   \color@endgroup}%
12856   \m@mmf@prepare}
12857 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{%
12858   \global\setbox\@mpfootinsv@l\vbox{%
12859     \unvbox\@mpfootinsv@l
12860     \@RTLfalse
12861     \def\baselinestretch{\m@m@footnote@spacing}%
12862     \reset@font\LTRfoottextfont
12863     \hspace\columnwidth \@parboxrestore
12864     \protected@edef\@currentlabel{%
12865       \csname p@mpfootnote\endcsname\@thefnmark}%

```




```

12866 \color@begingroup
12867 \sevenscolLTrfootfmt{#1}%
12868 \color@endgroup}%
12869 \m@mmf@prepare}
12870 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{%
12871 \global\setbox\@mpfootinsv@r\vbox{%
12872 \unvbox\@mpfootinsv@r
12873 \RTLtrue
12874 \def\baselinestretch{\m@m@footnote@spacing}%
12875 \reset@font\RTLfoottextfont
12876 \hsize\columnwidth \parboxrestore
12877 \protected@edef\@currentlabel{%
12878 \csname p@mpfootnote@endcsname\@thefnmark}%
12879 \color@begingroup
12880 \sevenscolLTrfootfmt{#1}%
12881 \color@endgroup}%
12882 \m@mmf@prepare}
12883 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
12884 \@namedef{\sevenscol@footgroup#1}{%
12885 \def\baselinestretch{\m@m@footnote@spacing}%
12886 \hsize\bidi@columnwidth
12887 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12888 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
12889 \newcommand{\bidi@make@sevenscol@LTrfootgroup}[1]{%
12890 \@namedef{\sevenscol@LTrfootgroup#1}{%
12891 \def\baselinestretch{\m@m@footnote@spacing}%
12892 \hsize\bidi@columnwidth
12893 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12894 \bidi@LTrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
12895 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
12896 \@namedef{\mpsevenscol@footgroup#1}{%
12897 \def\baselinestretch{\m@m@footnote@spacing}%
12898 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12899 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{7}{\splittopskip}}}}
12900 \newcommand{\bidi@make@mpsevenscol@LTrfootgroup}[1]{%
12901 \@namedef{\mpsevenscol@LTrfootgroup#1}{%
12902 \def\baselinestretch{\m@m@footnote@spacing}%
12903 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12904 \bidi@LTrigidbalance{\@nameuse{\mpfootins#1}}{7}{\splittopskip}}}}
12905 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
12906 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12907 \@namedef{foottextfontv@l}{\LTrfoottextfont}%
12908 \@bidi@before@Hy@hyperfootnotes
12909 \let\@footnotetext\@eightcolfootnotetext
12910 \let\@LTrfootnotetext\@eightcolLTrfootnotetext
12911 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
12912 \dimen\footinsv@r=8\footinsdim
12913 \count\footinsv@r=125\relax
12914 \m@make@eightcol@footgroup{v@r}%
12915 \let\@footgroupv@r\@eightcol@footgroupv@r
12916 \dimen\footinsv@l=8\footinsdim
12917 \count\footinsv@l=125\relax
12918 \bidi@make@eightcol@LTrfootgroup{v@l}%
12919 \let\@LTrfootgroupv@l\@eightcol@LTrfootgroupv@l

```



```

12920 \let\@mpfootnotetext\@mpeightcolfootnotetext
12921 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
12922 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
12923 \@bidi@after@Hy@hyperfootnotes
12924 \m@make@mpeightcol@footgroup{v@r}%
12925 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
12926 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
12927 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
12928 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12929 }
12930 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert
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 \@eightcolfootfmt{#1}%
12944 \color@endgroup}%
12945 \m@m@mmf@prepare}
12946 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12947 \def\baselinestretch{\m@m@footnote@spacing}%
12948 \reset@font\LTRfoottextfont
12949 \@preamfntext
12950 \protected@edef\@currentlabel{%
12951 \csname p@footnote\endcsname\@thefnmark}%
12952 \color@begingroup
12953 \@eightcolLTRfootfmt{#1}%
12954 \color@endgroup}%
12955 \m@m@mmf@prepare}
12956 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12957 \def\baselinestretch{\m@m@footnote@spacing}%
12958 \reset@font\RTLfoottextfont
12959 \@preamfntext
12960 \protected@edef\@currentlabel{%
12961 \csname p@footnote\endcsname\@thefnmark}%
12962 \color@begingroup
12963 \@eightcolRTLfootfmt{#1}%
12964 \color@endgroup}%
12965 \m@m@mmf@prepare}
12966 \bidi@ensure@newcommand{\@preameightfmt}{%
12967 \hspace{.125\hspace}
12968 \parindent=\z@
12969 \tolerance=5000\relax
12970 \leavevmode}
12971 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
12972 \@preameightfmt
12973 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}

```



```

12974 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
12975   \@preameightfmt
12976   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12977 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
12978   \@preameightfmt
12979   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12980 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
12981   \global\setbox
12982     \if@RTL@footnote
12983     \@mpfootinsv@r
12984   \else
12985     \@mpfootinsv@l
12986   \fi
12987   \vbox{%
12988     \unvbox
12989     \if@RTL@footnote
12990     \@mpfootinsv@r
12991   \else
12992     \@mpfootinsv@l
12993   \fi
12994   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12995   \def\baselinestretch{\m@m@footnote@spacing}%
12996   \reset@font\foottextfont
12997   \hsize\columnwidth \@parboxrestore
12998   \protected@edef\@currentlabel{%
12999     \csname p@mpfootnote\endcsname\@thefnmark}%
13000   \color@begingroup
13001     \@eightcolfootfmt{#1}%
13002   \color@endgroup}%
13003   \m@m@mmf@prepare}
13004 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
13005   \global\setbox\@mpfootinsv@l\vbox{%
13006     \unvbox\@mpfootinsv@l
13007     \@RTLfalse
13008     \def\baselinestretch{\m@m@footnote@spacing}%
13009     \reset@font\LTRfoottextfont
13010     \hsize\columnwidth \@parboxrestore
13011     \protected@edef\@currentlabel{%
13012       \csname p@mpfootnote\endcsname\@thefnmark}%
13013   \color@begingroup
13014     \@eightcolLTRfootfmt{#1}%
13015   \color@endgroup}%
13016   \m@m@mmf@prepare}
13017 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
13018   \global\setbox\@mpfootinsv@r\vbox{%
13019     \unvbox\@mpfootinsv@r
13020     \@RTLtrue
13021     \def\baselinestretch{\m@m@footnote@spacing}%
13022     \reset@font\RTLfoottextfont
13023     \hsize\columnwidth \@parboxrestore
13024     \protected@edef\@currentlabel{%
13025       \csname p@mpfootnote\endcsname\@thefnmark}%
13026   \color@begingroup
13027     \@eightcolRTLfootfmt{#1}%

```



```

13028 \color@endgroup}%
13029 \m@mmf@prepare}
13030 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
13031 \namedef{@eightcol@footgroup#1}{%
13032 \def\baselinestretch{\m@m@footnote@spacing}%
13033 \hsize\bidi@columnwidth
13034 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13035 \m@mrigidbalance{\nameuse{footins#1}}{8}{\splittopskip}}}}
13036 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%
13037 \namedef{@eightcol@LTRfootgroup#1}{%
13038 \def\baselinestretch{\m@m@footnote@spacing}%
13039 \hsize\bidi@columnwidth
13040 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13041 \bidi@LTRrigidbalance{\nameuse{footins#1}}{8}{\splittopskip}}}}
13042 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
13043 \namedef{@mpeightcol@footgroup#1}{%
13044 \def\baselinestretch{\m@m@footnote@spacing}%
13045 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13046 \m@mrigidbalance{\nameuse{mpfootins#1}}{8}{\splittopskip}}}}
13047 \newcommand{\bidi@make@mpeightcol@LTRfootgroup}[1]{%
13048 \namedef{@mpeightcol@LTRfootgroup#1}{%
13049 \def\baselinestretch{\m@m@footnote@spacing}%
13050 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13051 \bidi@LTRrigidbalance{\nameuse{mpfootins#1}}{8}{\splittopskip}}}}
13052 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
13053 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
13054 \namedef{foottextfontv@l}{\LTRfoottextfont}%
13055 \@bidi@before@Hy@hyperfootnotes
13056 \let\@footnotetext\@ninecolfootnotetext
13057 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
13058 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
13059 \dimen\footinsv@r=9\footinsdim
13060 \count\footinsv@r=111\relax
13061 \m@make@ninecol@footgroup{v@r}%
13062 \let\@footgroupv@r\@ninecol@footgroupv@r
13063 \dimen\footinsv@l=9\footinsdim
13064 \count\footinsv@l=111\relax
13065 \bidi@make@ninecol@LTRfootgroup{v@l}%
13066 \let\@LTRfootgroupv@l\@ninecol@LTRfootgroupv@l
13067 \let\@mpfootnotetext\@mpninecolfootnotetext
13068 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
13069 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
13070 \@bidi@after@Hy@hyperfootnotes
13071 \m@make@mpninecol@footgroup{v@r}%
13072 \let\@mp@footgroupv@r\@mpninecol@footgroupv@r
13073 \bidi@make@mpninecol@LTRfootgroup{v@l}%
13074 \let\@mp@LTRfootgroupv@l\@mpninecol@LTRfootgroupv@l
13075 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13076 }
13077 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert
13078 \if@RTL@footnote
13079 \footinsv@r
13080 \else
13081 \footinsv@l

```



```

13082 \fi
13083 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13084 \def\baselinestretch{\m@footnote@spacing}%
13085 \reset@font\foottextfont
13086 \@preamfntext
13087 \protected@edef\@currentlabel{%
13088 \csname p@footnote\endcsname\@thefnmark}%
13089 \color@begingroup
13090 \@ninecolfootfmt{#1}%
13091 \color@endgroup}%
13092 \m@mmf@prepare}
13093 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13094 \def\baselinestretch{\m@footnote@spacing}%
13095 \reset@font\LTRfoottextfont
13096 \@preamfntext
13097 \protected@edef\@currentlabel{%
13098 \csname p@footnote\endcsname\@thefnmark}%
13099 \color@begingroup
13100 \@ninecolLTRfootfmt{#1}%
13101 \color@endgroup}%
13102 \m@mmf@prepare}
13103 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13104 \def\baselinestretch{\m@footnote@spacing}%
13105 \reset@font\RTLfoottextfont
13106 \@preamfntext
13107 \protected@edef\@currentlabel{%
13108 \csname p@footnote\endcsname\@thefnmark}%
13109 \color@begingroup
13110 \@ninecolRTLfootfmt{#1}%
13111 \color@endgroup}%
13112 \m@mmf@prepare}
13113 \bidi@ensure@newcommand{\@preamninefmt}{%
13114 \hspace{.1\hspace}
13115 \parindent=\z@
13116 \tolerance=5000\relax
13117 \leavevmode}
13118 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
13119 \@preamninefmt
13120 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13121 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
13122 \@preamninefmt
13123 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13124 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
13125 \@preamninefmt
13126 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13127 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
13128 \global\setbox
13129 \ifRTL@footnote
13130 \@mpfootinsv@r
13131 \else
13132 \@mpfootinsv@l
13133 \fi
13134 \vbox{%
13135 \unvbox

```



```

13136 \if@RTL@footnote
13137 \@mpfootinsv@r
13138 \else
13139 \@mpfootinsv@l
13140 \fi
13141 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13142 \def\baselinestretch{\m@m@footnote@spacing}%
13143 \reset@font\foottextfont
13144 \hsize\columnwidth \@parboxrestore
13145 \protected@edef\@currentlabel{%
13146 \csname p@mpfootnote\endcsname\@thefnmark}%
13147 \color@begingroup
13148 \@ninecolfootfmt{#1}%
13149 \color@endgroup}%
13150 \m@mmf@prepare}
13151 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
13152 \global\setbox\@mpfootinsv@l\vbox{%
13153 \unvbox\@mpfootinsv@l
13154 \@RTLfalse
13155 \def\baselinestretch{\m@m@footnote@spacing}%
13156 \reset@font\LTRfoottextfont
13157 \hsize\columnwidth \@parboxrestore
13158 \protected@edef\@currentlabel{%
13159 \csname p@mpfootnote\endcsname\@thefnmark}%
13160 \color@begingroup
13161 \@ninecolLTRfootfmt{#1}%
13162 \color@endgroup}%
13163 \m@mmf@prepare}
13164 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
13165 \global\setbox\@mpfootinsv@r\vbox{%
13166 \unvbox\@mpfootinsv@r
13167 \@RTLtrue
13168 \def\baselinestretch{\m@m@footnote@spacing}%
13169 \reset@font\RTLfoottextfont
13170 \hsize\columnwidth \@parboxrestore
13171 \protected@edef\@currentlabel{%
13172 \csname p@mpfootnote\endcsname\@thefnmark}%
13173 \color@begingroup
13174 \@ninecolRTLfootfmt{#1}%
13175 \color@endgroup}%
13176 \m@mmf@prepare}
13177 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
13178 \@namedef{\@ninecol@footgroup#1}{%
13179 \def\baselinestretch{\m@m@footnote@spacing}%
13180 \hsize\bidi@columnwidth
13181 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13182 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
13183 \newcommand{\bidi@make@ninecol@LTRfootgroup}[1]{%
13184 \@namedef{\@ninecol@LTRfootgroup#1}{%
13185 \def\baselinestretch{\m@m@footnote@spacing}%
13186 \hsize\bidi@columnwidth
13187 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13188 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
13189 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%

```



```

13190 \namedef{@mpninecol@footgroup#1}{%
13191   \def\baselinestretch{\m@m@footnote@spacing}%
13192   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13193   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}%
13194 \newcommand{\bidi@make@mpninecol@LTRfootgroup}[1]{%
13195 \namedef{@mpninecol@LTRfootgroup#1}{%
13196   \def\baselinestretch{\m@m@footnote@spacing}%
13197   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13198   \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}%
13199 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
13200   \namedef{foottextfontv@r}{\foottextfont}% % [RS]
13201   \namedef{foottextfontv@l}{\LTRfoottextfont}%
13202   \@bidi@before@Hy@hyperfootnotes
13203   \let\@footnotetext\@tencolfootnotetext
13204   \let\@LTRfootnotetext\@tencolLTRfootnotetext
13205   \let\@RTLfootnotetext\@tencolRTLfootnotetext
13206   \dimen\footinsv@r=10\footinsdim
13207   \count\footinsv@r=100\relax
13208   \m@make@tencol@footgroup{v@r}%
13209   \let\@footgroupv@r\@tencol@footgroupv@r
13210   \dimen\footinsv@l=10\footinsdim
13211   \count\footinsv@l=100\relax
13212   \bidi@make@tencol@LTRfootgroup{v@l}%
13213   \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
13214   \let\@mpfootnotetext\@mptencolfootnotetext
13215   \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
13216   \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
13217   \@bidi@after@Hy@hyperfootnotes
13218   \m@make@mptencol@footgroup{v@r}%
13219   \let\mp@footgroupv@r\@mptencol@footgroupv@r
13220   \bidi@make@mptencol@LTRfootgroup{v@l}%
13221   \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
13222   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13223 }
13224 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
13225   \if@RTL@footnote
13226     \footinsv@r
13227   \else
13228     \footinsv@l
13229   \fi
13230 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13231   \def\baselinestretch{\m@m@footnote@spacing}%
13232   \reset@font\foottextfont
13233   \@preamfntext
13234   \protected@edef\@currentlabel{%
13235     \csname p@footnote\endcsname\@thefnmark}%
13236   \color@begingroup
13237     \@tencolfootfmt{#1}%
13238   \color@endgroup}%
13239   \m@mmf@prepare}
13240 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13241   \def\baselinestretch{\m@m@footnote@spacing}%
13242   \reset@font\LTRfoottextfont
13243   \@preamfntext

```



```

13244 \protected@edef\@currentlabel{%
13245   \csname p@footnote\endcsname\@thefnmark}%
13246 \color@begingroup
13247   \@tencolLTRfootfmt{#1}%
13248 \color@endgroup}%
13249 \m@mmf@prepare}
13250 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13251   \def\baselinestretch{\m@m@footnote@spacing}%
13252   \reset@font\RTLfoottextfont
13253   \@preamfntext
13254   \protected@edef\@currentlabel{%
13255     \csname p@footnote\endcsname\@thefnmark}%
13256   \color@begingroup
13257     \@tencolRTLfootfmt{#1}%
13258   \color@endgroup}%
13259   \m@mmf@prepare}
13260 \bidi@ensure@newcommand{\@preamtenfmt}{%
13261   \hsize .1\hsize
13262   \parindent=\z@
13263   \tolerance=5000\relax
13264   \leavevmode}
13265 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
13266   \@preamtenfmt
13267   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13268 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
13269   \@preamtenfmt
13270   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13271 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
13272   \@preamtenfmt
13273   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13274 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
13275   \global\setbox
13276     \if@RTL@footnote
13277       \@mpfootinsv@r
13278     \else
13279       \@mpfootinsv@l
13280   \fi
13281   \vbox{%
13282     \unvbox
13283     \if@RTL@footnote
13284       \@mpfootinsv@r
13285     \else
13286       \@mpfootinsv@l
13287   \fi
13288   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13289   \def\baselinestretch{\m@m@footnote@spacing}%
13290   \reset@font\foottextfont
13291   \hsize\columnwidth \@parboxrestore
13292   \protected@edef\@currentlabel{%
13293     \csname p@mpfootnote\endcsname\@thefnmark}%
13294   \color@begingroup
13295     \@tencolfootfmt{#1}%
13296   \color@endgroup}%
13297   \m@mmf@prepare}

```




```

13298 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
13299   \global\setbox\@mpfootinsv@l\vbox{%
13300     \unvbox\@mpfootinsv@l
13301     \RTLfalse
13302     \def\baselinestretch{\m@m@footnote@spacing}%
13303     \reset@font\LTRfoottextfont
13304     \hsize\columnwidth \@parboxrestore
13305     \protected@edef\@currentlabel{%
13306       \csname p@mpfootnote\endcsname\@thefnmark}%
13307     \color@begingroup
13308       \@tencolLTRfootfmt{#1}%
13309     \color@endgroup}%
13310   \m@m@mmf@prepare}
13311 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
13312   \global\setbox\@mpfootinsv@r\vbox{%
13313     \unvbox\@mpfootinsv@r
13314     \RTLtrue
13315     \def\baselinestretch{\m@m@footnote@spacing}%
13316     \reset@font\RTLfoottextfont
13317     \hsize\columnwidth \@parboxrestore
13318     \protected@edef\@currentlabel{%
13319       \csname p@mpfootnote\endcsname\@thefnmark}%
13320     \color@begingroup
13321       \@tencolRTLfootfmt{#1}%
13322     \color@endgroup}%
13323   \m@m@mmf@prepare}
13324 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
13325   \@namedef{\@tencol@footgroup#1}{%
13326     \def\baselinestretch{\m@m@footnote@spacing}%
13327     \hsize\bidi@columnwidth
13328     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13329     \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
13330 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
13331   \@namedef{\@tencol@LTRfootgroup#1}{%
13332     \def\baselinestretch{\m@m@footnote@spacing}%
13333     \hsize\bidi@columnwidth
13334     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13335     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
13336 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
13337   \@namedef{\@mptencol@footgroup#1}{%
13338     \def\baselinestretch{\m@m@footnote@spacing}%
13339     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13340     \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{10}{\splittopskip}}}%
13341 \newcommand{\bidi@make@mptencol@LTRfootgroup}[1]{%
13342   \@namedef{\@mptencol@LTRfootgroup#1}{%
13343     \def\baselinestretch{\m@m@footnote@spacing}%
13344     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13345     \bidi@LTRrigidbalance{\@nameuse{\@mpfootins#1}}{10}{\splittopskip}}}%
13346 \bidi@ensure@newcommand{\m@m@unvboxh}[1]{%
13347   \setbox0=\vbox{\unvbox#1}
13348   \global\setbox1=\lastbox}%
13349 \unhbox1
13350 \unskip
13351 \unskip

```



```

13352 \unpenalty
13353 \hskip\m@mipn@skip}
13354 \bidi@ensure@newcommand{\m@mungebox}{%
13355 \setbox0=\hbox{\m@munvxh0}%
13356 \dp0=\z@
13357 \ht0=\footfudgefactor\wd0
13358 \box0
13359 \penalty0}
13360 \newskip\m@mipn@skip
13361 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
13362 {\foottextfont\global\m@mipn@skip=#1\relax}}
13363 \m@minterparanoteglue{1em plus.3em minus.3em}
13364 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
13365 \setbox0=\hbox{}}%
13366 \loop
13367 \unpenalty
13368 \setbox2=\lastbox
13369 \ifhbox2
13370 \setbox0=\hbox{\box2\unhbox0}
13371 \repeat}
13372 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
13373 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
13374 \newcommand*{\AddExtraParaSkip}[1]{%
13375 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
13376 }
13377 \let\bidi@xparaskip\relax
13378 \@onlypreamble\AddExtraParaSkip
13379 \@onlypreamble\bidi@xparaskip
13380 \def\bidi@startparafootskip#1{%
13381 \global\advance\skip#1\bidi@paraskip
13382 }
13383 \@onlypreamble\bidi@startparafootskip
13384 \bidi@ensure@newcommand{\paragraphfootnotes}{%
13385 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13386 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13387 \@bidi@before@Hy@hyperfootnotes
13388 \let\@footnotetext\@parafootnotetext
13389 \let\@LTRfootnotetext\@paraLTRfootnotetext
13390 \let\@RTLfootnotetext\@paraRTLfootnotetext
13391 \dimen\footinsv@r=\footinsdim
13392 \count\footinsv@r=1000\relax
13393 \let\bidi@removexfootskip\bidi@removexparafootskip
13394 \m@make@para@footgroup{v@r}%
13395 \m@make@para@footstart{v@r}%
13396 \let\@footgroupv@r\@para@footgroupv@r
13397 \let\@footstartv@r\@para@footstartv@r
13398 \dimen\footinsv@l=\footinsdim
13399 \count\footinsv@l=1000\relax
13400 \bidi@make@para@LTRfootgroup{v@l}%
13401 \m@make@para@footstart{v@l}%
13402 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
13403 \let\@footstartv@l\@para@footstartv@l
13404 \let\@mpfootnotetext\@mpparafootnotetext
13405 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext

```



```

13406 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
13407 \@bidi@after@Hy@hyperfootnotes
13408 \m@make@mppara@footgroup{v@r}%
13409 \bidi@make@mppara@LTRfootgroup{v@l}%
13410 \let\mp@footgroupv@r\@mppara@footgroupv@r
13411 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
13412 \g@addto@macro\bidi@floathook{%
13413   \begingroup
13414     \foottextfont \@tempdima\normalbaselineskip
13415     \multiply \@tempdima \ccclvi
13416     \@tempdimb \columnwidth
13417     \divide \@tempdimb \ccclvi
13418     \divide \@tempdima \@tempdimb
13419     \xdef\footfudgefactor{\strip@pt\@tempdima}%
13420   \endgroup
13421 }
13422 \AtBeginDocument{%
13423   \begingroup
13424     \foottextfont
13425     \@tempdima\footnotesep
13426     \advance\@tempdima -\ht\strutbox
13427     \ifdim\@tempdima<z@ \@tempdima z@ \fi
13428     \advance\@tempdima.5\normalbaselineskip
13429     \bidi@xparaskip
13430     \xdef\bidi@paraskip{\the\@tempdima\relax}%
13431   \endgroup
13432   \bidi@startparafootskip\footinsv@r
13433   \bidi@startparafootskip\footinsv@l
13434 }
13435 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13436 }
13437 \newcommand{\normalRTLparaLTRfootnotes}{%
13438   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13439   \@bidi@before@Hy@hyperfootnotes
13440   \if@RTL@footnote
13441     \let\@footnotetext\m@mold@footnotetext
13442   \else
13443     \let\@footnotetext\@parafootnotetext
13444   \fi
13445   \let\@LTRfootnotetext\@paraLTRfootnotetext
13446   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
13447   \dimen\footinsv@l=\footinsdim
13448   \count\footinsv@l=1000\relax
13449   \let\bidi@removexfootskip\bidi@removexparafootskip
13450   \bidi@make@para@LTRfootgroup{v@l}%
13451   \m@make@para@footstart{v@l}%
13452   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
13453   \let\@footstartv@l\@para@footstartv@l
13454   \if@RTL@footnote
13455     \let\@mpfootnotetext\m@mold@mpfootnotetext
13456   \else
13457     \let\@mpfootnotetext\@mpparafootnotetext
13458   \fi
13459   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext

```



```

13460 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
13461 \@bidi@after@Hy@hyperfootnotes
13462 \bidi@make@mppara@LTRfootgroup{v@1}%
13463 \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
13464 \g@addto@macro\bidi@floathook{%
13465   \begingroup
13466     \LTRfoottextfont \@tempdima\normalbaselineskip
13467     \multiply \@tempdima \@cclvi
13468     \@tempdimb \columnwidth
13469     \divide \@tempdimb \@cclvi
13470     \divide \@tempdima \@tempdimb
13471     \xdef\footfudgefactor{\strip@pt\@tempdima}%
13472   \endgroup
13473 }
13474 \AtBeginDocument{%
13475   \begingroup
13476     \LTRfoottextfont
13477     \@tempdima\footnotesep
13478     \advance\@tempdima -\ht\strutbox
13479     \ifdim\@tempdima<z@ \@tempdima z@ \fi
13480     \advance\@tempdima.5\normalbaselineskip
13481     \bidi@xparaskip
13482     \xdef\bidi@paraskip{\the\@tempdima\relax}%
13483   \endgroup
13484   \bidi@startparafootskip\footinsv@1
13485 }
13486 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13487 }
13488 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
13489   \if@RTL@footnote
13490     \footinsv@r
13491   \else
13492     \footinsv@l
13493   \fi
13494   {%
13495     \let\bidi@RTL@everypar\@empty%
13496     \def\baselinestretch{\m@m@footnote@spacing}%
13497     \reset@font\foottextfont
13498     \@preamfntext
13499     \protected@edef\@currentlabel{%
13500       \csname p@footnote\endcsname\@thefnmark}%
13501     \setbox0=\vbox{\hsize=\maxdimen
13502       \color@begingroup
13503         \noindent \@parafootfmt{#1}%
13504       \color@endgroup}%
13505     \m@mungebox\m@mmf@prepare}
13506 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
13507   \let\bidi@RTL@everypar\@empty%
13508   \def\baselinestretch{\m@m@footnote@spacing}%
13509   \reset@font\LTRfoottextfont
13510   \@preamfntext
13511   \protected@edef\@currentlabel{%
13512     \csname p@footnote\endcsname\@thefnmark}%
13513   \setbox0=\vbox{\hsize=\maxdimen

```



```

13514 \color@begingroup
13515 \noindent \@paraLTRfootfmt{#1}%
13516 \color@endgroup}%
13517 \m@mungebox}\m@mmf@prepare}
13518 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
13519 \let\bidi@RTL@everypar\@empty%
13520 \def\baselinestretch{\m@m@footnote@spacing}%
13521 \reset@font\RTLfoottextfont
13522 \@preamfntext
13523 \protected@edef\@currentlabel{%
13524 \csname p@footnote\endcsname\@thefnmark}%
13525 \setbox0=\vbox{\hsize=\maxdimen
13526 \color@begingroup
13527 \noindent \@paraRTLfootfmt{#1}%
13528 \color@endgroup}%
13529 \m@mungebox}\m@mmf@prepare}
13530 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
13531 \parindent=\z@
13532 \parfillskip=0pt \@plus 1fil
13533 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
13534 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
13535 \parindent=\z@
13536 \parfillskip=0pt \@plus 1fil
13537 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
13538 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
13539 \parindent=\z@
13540 \parfillskip=0pt \@plus 1fil
13541 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
13542 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
13543 \global\setbox
13544 \if@RTL@footnote
13545 \@mpfootinsv@r
13546 \else
13547 \@mpfootinsv@l
13548 \fi
13549 \vbox{%
13550 \unvbox
13551 \if@RTL@footnote
13552 \@mpfootinsv@r
13553 \else
13554 \@mpfootinsv@l
13555 \fi
13556 \let\bidi@RTL@everypar\@empty
13557 \def\baselinestretch{\m@m@footnote@spacing}%
13558 \reset@font\foottextfont
13559 \hsize\columnwidth \@parboxrestore
13560 \protected@edef\@currentlabel{%
13561 \csname p@mpfootnote\endcsname\@thefnmark}%
13562 \setbox0=\vbox{\hsize=\maxdimen
13563 \color@begingroup
13564 \noindent \@parafootfmt{#1}%
13565 \color@endgroup}%
13566 \m@mungebox}\m@mmf@prepare}
13567 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%

```



```

13568 \global\setbox\@mpfootinsv@l\vbox{%
13569 \unvbox\@mpfootinsv@l
13570 \let\@bidi@RTL@everypar\@empty
13571 \def\baselinestretch{\m@m@footnote@spacing}%
13572 \reset@font\LTRfoottextfont
13573 \hsize\columnwidth \@parboxrestore
13574 \protected@edef\@currentlabel{%
13575 \csname p@mpfootnote\endcsname\@thefnmark}%
13576 \setbox0=\vbox{\hsize=\maxdimen
13577 \color@begingroup
13578 \noindent \@paraLTRfootfmt{#1}%
13579 \color@endgroup}%
13580 \m@mungebox}\m@mmf@prepare}
13581 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
13582 \global\setbox\@mpfootinsv@r\vbox{%
13583 \unvbox\@mpfootinsv@r
13584 \let\@bidi@RTL@everypar\@empty
13585 \def\baselinestretch{\m@m@footnote@spacing}%
13586 \reset@font\RTLfoottextfont
13587 \hsize\columnwidth \@parboxrestore
13588 \protected@edef\@currentlabel{%
13589 \csname p@mpfootnote\endcsname\@thefnmark}%
13590 \setbox0=\vbox{\hsize=\maxdimen
13591 \color@begingroup
13592 \noindent \@paraRTLfootfmt{#1}%
13593 \color@endgroup}%
13594 \m@mungebox}\m@mmf@prepare}
13595 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
13596 \@namedef{\@para@footgroup#1}{%
13597 \unvbox\@nameuse{footins#1}
13598 \@RTLtrue
13599 \m@mmakehboxofhboxes
13600 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13601 \hsize\@bidi@columnwidth
13602 \@parboxrestore
13603 \def\baselinestretch{\m@m@footnote@spacing}%
13604 \@nameuse{foottextfont#1}%
13605 \noindent\unhbox0\par}}
13606 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
13607 \@namedef{\@para@LTRfootgroup#1}{%
13608 \unvbox\@nameuse{footins#1}
13609 \@RTLfalse
13610 \m@mmakehboxofhboxes
13611 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13612 \hsize\@bidi@columnwidth
13613 \@parboxrestore
13614 \def\baselinestretch{\m@m@footnote@spacing}%
13615 \@nameuse{foottextfont#1}%
13616 \noindent\unhbox0\par}}
13617 \newcommand{\bidi@removexparafootskip}{%
13618 \advance\@tempskipa -\bidi@paraskip
13619 \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
13620 }
13621 \let\bidi@removexfootskip\relax

```



```

13622 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
13623 \@namedef{@mppara@footgroup#1}{%
13624 \unvbox\@nameuse{@mpfootins#1}
13625 \@RTLtrue
13626 \m@mmakehboxofhboxes
13627 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13628 \def\baselinestretch{\m@m@footnote@spacing}%
13629 \@nameuse{foottextfont#1}%
13630 \noindent\unhbox0\par}}
13631 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
13632 \@namedef{@mppara@LTRfootgroup#1}{%
13633 \unvbox\@nameuse{@mpfootins#1}
13634 \@RTLfalse
13635 \m@mmakehboxofhboxes
13636 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13637 \def\baselinestretch{\m@m@footnote@spacing}%
13638 \@nameuse{foottextfont#1}%
13639 \noindent\unhbox0\par}}
13640 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
13641 \@namedef{@para@footstart#1}{%
13642 \leftskip=\z@
13643 \rightskip=\z@
13644 \parindent=\z@
13645 }%
13646 }
13647 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
13648 \xdef\@freelist{\@freelist\@midlist}%
13649 \global\let\@midlist\@empty
13650 \@combinefloats}
13651 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
13652 \ifvbox\@kludgeins
13653 \@makespecialcolbox
13654 \else
13655 \setbox\@outputbox \vbox to\@colht{%
13656 \@texttop
13657 \dimen@ \dp\@outputbox
13658 \unvbox \@outputbox
13659 \vskip -\dimen@
13660 \@textbottom}%
13661 \fi}
13662 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
13663 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
13664 \boxmaxdepth\@maxdepth
13665 \@tempdima\dp\@cclv
13666 \unvbox\@cclv
13667 \vskip-\@tempdima
13668 \bidi@mopfn@bottom
13669 \vskip \skip\footins
13670 \color@begingroup
13671 \normalcolor
13672 \footnoterule
13673 \unvbox \footins
13674 \color@endgroup
13675 }%

```



```

13676 }
13677 \newcommand*{\bidi@mopfootnotebf}{%
13678   \setbox\@outputbox \vbox{%
13679     \boxmaxdepth\@maxdepth
13680     \unvbox\@outputbox
13681     \bidi@mopfn@bottom
13682     \vskip\skip\footins
13683     \color@begingroup
13684       \normalcolor
13685       \footnoterule
13686       \unvbox \footins
13687     \color@endgroup
13688   }%
13689 }
13690 \gdef\mem@makecol{%
13691   \m@m@makecolintro
13692   \m@m@doextrafeet
13693   \ifvoid\footins
13694     \setbox\@outputbox \box\@cclv
13695   \else
13696     \m@mopfootnote
13697   \fi
13698   \m@m@makecolfloats
13699   \m@m@makecoltext
13700   \global \maxdepth \@maxdepth}
13701 \gdef\bidi@makecolbf{%
13702   \m@m@makecolintro
13703   \m@m@doextrafeet
13704   \setbox\@outputbox \box\@cclv
13705   \m@m@makecolfloats
13706   \ifvoid\footins
13707   \else
13708     \bidi@mopfootnotebf
13709   \fi
13710   \m@m@makecoltext
13711   \global \maxdepth \@maxdepth}
13712 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
13713 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
13714 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
13715 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
13716 \FeetAboveFloat
13717 \FeetBelowRagged
13718 \def\bidi@reinserts#1{\ifvoid#1\else
13719   \ifnum\count\@currbox>\z@
13720     \advance\@pageht \ht#1%
13721     \advance\@pageht \skip#1%
13722     \advance\@pageht \dp#1%
13723   \fi
13724   \insert#1{\unvbox#1}%
13725 \fi
13726 }
13727 \def\bidi@init@multi@footins#1{%
13728   \multiply\count#1\col@number
13729   \multiply\skip#1\col@number

```




```

13730 }
13731 \def\bidireinsert@footnotes#1{\ifvoid#1\else
13732     \insert#1{}\fi}
13733 \AtBeginDocument{%
13734     \bidi@preto\@doclearpage\m@mdoextrafeet
13735     \g@addto@macro\@reinserts{%
13736         \bidi@reinserts\footinsv@r
13737         \bidi@reinserts\footinsv@l
13738     }
13739     \bidi@floathook
13740     \g@addto@macro\@floatplacement{%
13741         \bidi@ifmulticol{}\{\bidi@floathook}%
13742     }%
13743     \if@bidi@csundef{multi@column@out}{%
13744         \onlypreamble\bidi@init@multi@footins
13745         \let\bidi@ifmulticol\@secondoftwo
13746     }{%
13747         \bidi@preto\multi@column@out\m@mdoextrafeet
13748         \g@addto@macro\init@mult@footins{%
13749             \bidi@init@multi@footins\footinsv@r
13750             \bidi@init@multi@footins\footinsv@l
13751         }%
13752         \g@addto@macro\reinsert@footnotes{%
13753             \bidi@reinsert@footnotes\footinsv@r
13754             \bidi@reinsert@footnotes\footinsv@l
13755         }%
13756     }%
13757 }

```

87 File extreport-xetex-bidi.def

```

13758 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
13759 \renewcommand*\l@part[2]{%
13760     \ifnum \c@tocdepth >-2\relax
13761         \addpenalty{-\@highpenalty}%
13762         \addvspace{2.25em \@plus\p}%
13763         \begingroup
13764             \setlength\@tempdima{3em}%
13765             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13766             \parfillskip -\@pnumwidth
13767             {\leavevmode
13768                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13769             \nobreak
13770             \global\@nobreaktrue
13771             \everypar{\global\@nobreakfalse\everypar{}}%
13772         \endgroup
13773     \fi}
13774 \renewcommand*\l@chapter[2]{%
13775     \ifnum \c@tocdepth >\m@ne
13776         \addpenalty{-\@highpenalty}%
13777         \vskip 1.0em \@plus\p@
13778         \setlength\@tempdima{1.5em}%
13779         \begingroup
13780             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

13781 \parfillskip -\@pnumwidth
13782 \leavevmode \bfseries
13783 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
13784 \hskip -\if@RTL\righskip\else\leftskip\fi
13785 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
13786 \penalty\@highpenalty
13787 \endgroup
13788 \fi}
13789 \def\@makechapterhead#1{%
13790 \vspace*{50\p@}%
13791 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
13792 \ifnum \c@secnumdepth >\m@ne
13793 \huge\bfseries \@chapapp\space \thechapter
13794 \par\nobreak
13795 \vskip 20\p@
13796 \fi
13797 \interlinepenalty\@M
13798 \Huge \bfseries #1\par\nobreak
13799 \vskip 40\p@
13800 }}
13801 \def\@makeschapterhead#1{%
13802 \vspace*{50\p@}%
13803 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
13804 \normalfont
13805 \interlinepenalty\@M
13806 \Huge \bfseries #1\par\nobreak
13807 \vskip 40\p@
13808 }}
13809 \renewcommand\left@footnoterule{%
13810 \kern-3\p@
13811 \hrule\@width.4\columnwidth
13812 \kern2.6\p@}
13813 \renewcommand\right@footnoterule{%
13814 \kern-3\p@
13815 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13816 \kern2.6\p@}
13817 \renewenvironment{thebibliography}[1]
13818 {\chapter*{\bibname
13819 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
13820 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13821 \bidi@thebibliography@font@hook%
13822 \list{\@biblabel{\@arabic\c@enumiv}}%
13823 {\settowidth\labelwidth{\@biblabel{#1}}%
13824 \leftmargin\labelwidth
13825 \advance\leftmargin\labelsep
13826 \@openbib@code
13827 \usecounter{enumiv}%
13828 \let\p@enumiv\@empty
13829 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
13830 \sloppy\clubpenalty4000\widowpenalty4000%
13831 \sfcode\.\@m}
13832 {\def\@noitemerr
13833 {\@latex@warning{Empty `thebibliography' environment}}%
13834 \endlist}

```



```

13835 \if@titlepage
13836 \renewcommand\maketitle{\begin{titlepage}%
13837 \let\footnotesize\small
13838 \let\right@footnoterule\relax
13839 \let\left@footnoterule\relax
13840 \let\textwidth@footnoterule\relax
13841 \let \footnote \thanks
13842 \null\vfil
13843 \vskip 60\p@
13844 \begin{center}%
13845 {\LARGE \@title \par}%
13846 \vskip 3em%
13847 {\large
13848 \lineskip .75em%
13849 \begin{tabular}[t]{c}%
13850 \@author
13851 \end{tabular}\par}%
13852 \vskip 1.5em%
13853 {\large \@date \par}% % Set date in \large size.
13854 \end{center}\par
13855 \@thanks
13856 \vfil\null
13857 \end{titlepage}%
13858 \setcounter{footnote}{0}%
13859 \global\let\thanks\relax
13860 \global\let\maketitle\relax
13861 \global\let\@thanks\@empty
13862 \global\let\@author\@empty
13863 \global\let\@date\@empty
13864 \global\let\@title\@empty
13865 \global\let\title\relax
13866 \global\let\author\relax
13867 \global\let\date\relax
13868 \global\let\and\relax
13869 }
13870 \else
13871 \renewcommand\maketitle{\par
13872 \begin{group
13873 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13874 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13875 \long\def\@makefntext##1{\parindent 1em\noindent
13876 \hb@xt@1.8em{%
13877 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
13878 \if@twocolumn
13879 \ifnum \col@number=\@ne
13880 \@maketitle
13881 \else
13882 \twocolumn[\@maketitle]%
13883 \fi
13884 \else
13885 \newpage
13886 \global\@topnum\z@ % Prevents figures from going at top of page.
13887 \@maketitle
13888 \fi

```



```

13889 \thispagestyle{plain}\@thanks
13890 \endgroup
13891 \setcounter{footnote}{0}%
13892 \global\let\thanks\relax
13893 \global\let\maketitle\relax
13894 \global\let\@maketitle\relax
13895 \global\let\@thanks\@empty
13896 \global\let\@author\@empty
13897 \global\let\@date\@empty
13898 \global\let\@title\@empty
13899 \global\let\title\relax
13900 \global\let\author\relax
13901 \global\let\date\relax
13902 \global\let\and\relax
13903 }
13904 \def\@maketitle{%
13905 \newpage
13906 \null
13907 \vskip 2em%
13908 \begin{center}%
13909 \let \footnote \thanks
13910 {\LARGE \@title \par}%
13911 \vskip 1.5em%
13912 {\large
13913 \lineskip .5em%
13914 \begin{tabular}[t]{c}%
13915 \@author
13916 \end{tabular}\par}%
13917 \vskip 1em%
13918 {\large \@date}%
13919 \end{center}%
13920 \par
13921 \vskip 1.5em}
13922 \fi
13923 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
13924 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13925 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
13926 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13927 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
13928 \renewcommand\theequation{%
13929 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
13930 \renewcommand\thefigure{%
13931 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13932 \renewcommand\thetable{%
13933 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

88 File fancybox-xetex-bidi.def

```

13934 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
13935 \def\fancy@oval#1#2#3{%
13936 \boxmaxdepth \maxdimen
13937 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
13938 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
13939 \@ovxx#1\relax

```



```

13940 \advance\@ovxx-\@wholewidth
13941 \@ovyy#2\relax
13942 \advance\@ovyy-\@wholewidth
13943 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
13944 \advance\@tempdimb-2\p@
13945 \ifdim\@tempdimb>\the@cornersize\relax
13946 \@tempdimb=\the@cornersize
13947 \fi
13948 \@getcirc\@tempdimb
13949 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
13950 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
13951 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
13952 \@circleft
13953 \setbox\@tempboxa\hbox{\beginL%
13954 \if@ovr \@ovvert32\kern -\@tempdima \fi
13955 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
13956 \if@ovt \@ovhorz \kern -\@ovxx \fi
13957 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
13958 \advance\@ovdx\@ovro
13959 \advance\@ovdy\@ovro
13960 \advance\@ovxx\@wholewidth
13961 \wd\@tempboxa=\@ovxx
13962 \dp\@tempboxa=\z@}

```

89 File fancyhdr-xetex-bidi.def

```

13963 \ProvidesFile{fancyhdr-xetex-bidi.def}[2025/09/03 v1.0 bidi adaptations for fancyhdr package]
13964
13965 \let\f@nch@everypar\everypar
13966
13967 \def\f@nch@parbox@align@hl{\def\f@nch@align@h{\bidi@raggedright}}
13968 \def\f@nch@parbox@align@hr{\def\f@nch@align@h{\bidi@raggedleft}}
13969

```

90 File fix2col-xetex-bidi.def

```

13970 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
13971 \def\RTL@outputdblcol{%
13972 \if@firstcolumn
13973 \global\@firstcolumnfalse
13974 \global\setbox\@leftcolumn\copy\@outputbox
13975 \splitmaxdepth\maxdimen
13976 \vbadness\maxdimen
13977 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13978 \toks@{\expandafter\topmark}%
13979 \xdef\@firstcoltopmark{\the\toks@}%
13980 \toks@\expandafter\splitfirstmark}%
13981 \xdef\@firstcolfirstmark{\the\toks@}%
13982 \ifx\@firstcolfirstmark\@empty
13983 \global\let\@setmarks\relax
13984 \else
13985 \gdef\@setmarks{%
13986 \let\firstmark\@firstcolfirstmark
13987 \let\topmark\@firstcoltopmark}%

```



```

13988 \fi
13989 \else \global\@firstcolumntrue
13990 \setbox\@outputbox \vbox {\hbox to\textwidth {%
13991 \hskip \columnwidth
13992 \hfil \vrule width\columnseprule \hfil
13993 \hbox to\columnwidth {%
13994 \bidi@firstcolumn@status@write%
13995 \box\@leftcolumn \hss}%
13996 \hskip -\textwidth
13997 \hbox to\columnwidth{%
13998 \bidi@lastcolumn@status@write%
13999 \box\@outputbox \hss}%
14000 \hskip \columnsep
14001 \hskip \columnwidth }}%
14002 \@combinedblfloats \@setmarks \@outputpage
14003 \begingroup \@dblfloatplacement \@startdblcolumn
14004 \@whilesw\if@fcolmade \fi
14005 {\@outputpage \@startdblcolumn }\endgroup
14006 \fi}
14007 \def\LTR@outputdblcol{%
14008 \if@firstcolumn
14009 \global\@firstcolumnfalse
14010 \global\setbox\@leftcolumn\copy\@outputbox
14011 \splitmaxdepth\maxdimen
14012 \vbadness\maxdimen
14013 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14014 \toks@\expandafter{\topmark}%
14015 \xdef\@firstcoltopmark{\the\toks@}%
14016 \toks@\expandafter{\splitfirstmark}%
14017 \xdef\@firstcolfirstmark{\the\toks@}%
14018 \ifx\@firstcolfirstmark\@empty
14019 \global\let\@setmarks\relax
14020 \else
14021 \gdef\@setmarks{%
14022 \let\firstmark\@firstcolfirstmark
14023 \let\topmark\@firstcoltopmark}%
14024 \fi
14025 \else
14026 \global\@firstcolumntrue
14027 \setbox\@outputbox\vbox{%
14028 \hb@xt@\textwidth{%
14029 \hb@xt@\columnwidth{%
14030 \bidi@firstcolumn@status@write%
14031 \box\@leftcolumn \hss}%
14032 \hfil
14033 \vrule \@width\columnseprule
14034 \hfil
14035 \hb@xt@\columnwidth{%
14036 \bidi@lastcolumn@status@write%
14037 \box\@outputbox \hss}}}%
14038 \@combinedblfloats
14039 \@setmarks
14040 \@outputpage
14041 \begingroup

```



```

14042 \dblfloatplacement
14043 \startdblcolumn
14044 \@whilesw\if@fcolmade \fi{\@outputpage\startdblcolumn}%
14045 \endgroup
14046 \fi}

```

91 File fleqn-xetex-bidi.def

```

14047 \ProvidesFile{fleqn-xetex-bidi.def}[2024/12/07 v0.2 bidi adaptations for fleqn tag for XeTeX
14048 \DeclareRobustCommand\{\relax
14049 \ifmmode\@badmath
14050 \else
14051 \begin{trivlist}%
14052 \beginparpenalty\predisplaypenalty
14053 \endparpenalty\postdisplaypenalty
14054 \item[]\leavevmode
14055 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
14056 \hskip\mathindent\bgroup
14057 \fi}
14058 \DeclareRobustCommand\{\relax
14059 \ifmmode
14060 \egroup $\hfil% $
14061 \endL\egroup
14062 \end{trivlist}%
14063 \else \@badmath
14064 \fi}
14065 \renewenvironment{equation}%
14066 {\beginparpenalty\predisplaypenalty
14067 \endparpenalty\postdisplaypenalty
14068 \refstepcounter{equation}%
14069 \trivlist \item[]\leavevmode
14070 \hb@xt@\linewidth\bgroup\beginL $\m@th% $
14071 \displaystyle
14072 \hskip\mathindent}%
14073 {$\hfil % $
14074 \displaywidth\linewidth\hbox{\@eqnnum}%
14075 \endL\egroup
14076 \endtrivlist}

```

92 File float-xetex-bidi.def

```

14077 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for X
14078 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
14079 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
14080 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
14081 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
14082 \expandafter\edef\csname the#1\endcsname{%
14083 \expandafter\noexpand\csname
14084 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
14085 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

93 File floatrow-xetex-bidi.def

```

14086 \ProvidesFile{floatrow-xetex-bidi.def}[2025/01/03 v0.2 bidi adaptations for floatrow package

```



```

14087 \RequirePackage{color}
14088 \renewcommand\flnew@within[1]{\@addtoreset{\FB@capttype}{#1}%
14089 \expandafter\edef\csname the\FB@capttype\endcsname{%
14090 \expandafter\noexpand\csname
14091 the#1\endcsname\@SepMark\noexpand\arabic{\FB@capttype}}}

```

94 File flowfram-xetex-bidi.def

```

14092 \ProvidesFile{flowfram-xetex-bidi.def}[2025/01/03 v0.6 bidi adaptations for flowfram package]
14093 \def\@outputdblcol{%
14094 \@nxtcol=\c@thisframe
14095 \c@curpg=\c@page
14096 \@g@tnextcol{\@nxtcol}%
14097 \if@ff@nwpg % next flow frame starts on new page
14098 \global\@firstcolumntrue
14099 \setcolbox\c@thisframe
14100 \if@specialpage
14101 \global\@specialpagefalse
14102 \nameuse{ps@\@specialstyle}\relax
14103 \fi
14104 \if@twoside
14105 \ifodd\count\z@
14106 \let\@thehead\@oddhead
14107 \let\@thefoot\@oddfoot
14108 \else
14109 \let\@thehead\@evenhead
14110 \let\@thefoot\@evenfoot
14111 \fi
14112 \else
14113 \let\@thehead\@oddhead
14114 \let\@thefoot\@oddfoot
14115 \fi
14116 \@beginndvi
14117 \dodynamicthehead\dodynamicthefoot
14118 \vbadness=\@M
14119 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
14120 \combinedblfloats
14121 \outputpage
14122 \advance\c@curpg by -\c@page\relax
14123 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
14124 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
14125 \outputpage}
14126 \beginngroup
14127 \dblfloatplacement
14128 \startdblcolumn
14129 \whilesw \if@fcolmade \fi
14130 {\outputpage \startdblcolumn }\endgroup
14131 \resetst@tics
14132 \resetdyn@mics
14133 \else % still on same page, save contents of box255
14134 \global\@firstcolumnfalse
14135 \setcolbox\c@thisframe
14136 \fi
14137 \global\c@thisframe=\@nxtcol

```




```

14138 \@setcol{\c@thisframe}\relax
14139 \global\@colht\vsiz
14140 }
14141 \def\@outputpage{%
14142 \begingroup
14143 \let\protect\noexpand
14144 \@resetactivechars
14145 \global\let\@ifnewlist@ifnewlist
14146 \global\@newlistfalse\@parboxrestore
14147 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
14148 \@bidi@beforeoutputpageshipouthook
14149 \shipout\vbox{\set@typeset@protect
14150 \aftergroup
14151 \endgroup
14152 \aftergroup
14153 \set@typeset@protect
14154 \reset@font\normalsize
14155 \bidi@font\@outputpage
14156 \normalsfcodes
14157 \let\label\@gobble
14158 \let\index\@gobble
14159 \let\glossary\@gobble
14160 \baselineskip\z@skip
14161 \lineskip\z@skip
14162 \lineskiplimit\z@
14163 \vskip\topmargin\moveright\@themargin
14164 \vbox{%
14165 \global\let\@bidi@BeforeHeader\@firstofone
14166 \@bidi@beforeheaderhook
14167 \vskip\headheight
14168 \vskip\headsep
14169 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
14170 \@bidi@beforeoutputboxoutputpagehook
14171 \box\@outputbox
14172 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
14173 \@bidi@afteroutputboxoutputpagehook
14174 }}%
14175 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
14176 \@bidi@afteroutputpageshipouthook
14177 \global\let\ifnewlist\@ifnewlist
14178 \stepcounter{page}%
14179 \setcounter{displayedframe}{0}%
14180 \let\firstmark\botmark
14181 \global\let\@bidi@AtEndOutputPage\@firstofone
14182 \@bidi@atendoutputpagehook
14183 }
14184
14185
14186 \newcommand*\bidi@s@tffftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\%
14187 \expandafter\bidicolor\ff@txtcol}}
14188
14189 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
14190 {\hb@xt@ #1{\hss{\bidi@s@tffftextcol #3}\hss}\vss\kern\z@}}}}
14191

```



```

14192
14193 \renewcommand*{\docolbox}[1]{%
14194 \edef\ff@frametype{%
14195 \csname @ff@frametype@\romannumeral#1\endcsname}%
14196 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
14197 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
14198 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
14199 \@ff@setoffset{#1}%
14200 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
14201 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
14202 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
14203 {\csname colheight\romannumeral#1\endcsname}{%
14204 \expandafter\box\csname column\romannumeral#1\endcsname}{%
14205 \csname\ff@frametype\endcsname}%
14206 }{%
14207 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
14208 {\csname colheight\romannumeral#1\endcsname}{%
14209 \expandafter\box\csname column\romannumeral#1\endcsname}%
14210 }}}
14211 \IfClassLoadedT{book}{%
14212 \renewcommand\theequation
14213 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14214 \renewcommand \thefigure
14215 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14216 \renewcommand \thetable
14217 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
14218 \renewcommand \thechapter {\@arabic\c@chapter}
14219 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
14220 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14221 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
14222 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
14223 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
14224 \IfClassLoadedT{report}{%
14225 \renewcommand\theequation
14226 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14227 \renewcommand \thefigure
14228 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14229 \renewcommand \thetable
14230 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
14231 \renewcommand \thechapter {\@arabic\c@chapter}
14232 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
14233 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14234 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
14235 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
14236 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
14237 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
14238 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
14239 \else
14240 #2\relax
14241 \fi}

```

95 File fnpct-xetex-bidi.def

```

14242 \ProvidesFile{fnpct-xetex-bidi.def}[2025/09/12 v0.2 bidi adaptations for fnpct package for X

```



```

14243 \ExplSyntaxOn
14244   \@ifclassloaded{beamer}
14245   {
14246     \AdaptNote \footnote{d<>o+m} [\beamer@mpfn]
14247     {
14248       \IfNoValueTF{#1}
14249       { \IfNoValueTF{#2}{#NOTE{#3}}{#NOTE[#2]{#3}}}
14250       { \IfNoValueTF{#2}{#NOTE<#1>{#3}}{#NOTE<#1>[#2]{#3}}}
14251     }
14252     \AdaptNote \RTLfootnote{d<>o+m} [\beamer@mpfn]
14253     {
14254       \IfNoValueTF{#1}
14255       { \IfNoValueTF{#2}{#NOTE{#3}}{#NOTE[#2]{#3}}}
14256       { \IfNoValueTF{#2}{#NOTE<#1>{#3}}{#NOTE<#1>[#2]{#3}}}
14257     }
14258     \AdaptNote \LTRfootnote{d<>o+m} [\beamer@mpfn]
14259     {
14260       \IfNoValueTF{#1}
14261       { \IfNoValueTF{#2}{#NOTE{#3}}{#NOTE[#2]{#3}}}
14262       { \IfNoValueTF{#2}{#NOTE<#1>{#3}}{#NOTE<#1>[#2]{#3}}}
14263     }
14264   }
14265   {
14266     \AdaptNote \RTLfootnote {o+m} [\@mpfn]
14267     { \IfNoValueTF {#1} {#NOTE{#2}} {#NOTE[#1]{#2}} }
14268     \AdaptNote \LTRfootnote {o+m} [\@mpfn]
14269     { \IfNoValueTF {#1} {#NOTE{#2}} {#NOTE[#1]{#2}} }
14270   }
14271 \ExplSyntaxOff

```

96 File footnote-xetex-bidi.def

```

14272 \ProvidesFile{footnote-xetex-bidi.def}[2024/12/14 v1.3 bidi footnote macros for XeTeX engine]
14273 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
14274 \newif\ifbidi@autofootnoterule
14275 \def\bidi@mpfootnoterule{\footnoterule}
14276 \newcounter{footdir@label}
14277 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
14278 \newcommand*{\footdir@write}{%
14279   \stepcounter{footdir@label}%
14280   \zref@labelbyprops{\thefootdir@label}{abspage}%
14281 }
14282 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
14283 \newtoks\footdir@toks
14284 \newcommand*{\footdir@debug}[1]{%
14285   \ifffootdir@debug
14286     \typeout{[footdir] #1}%
14287   \fi
14288 }
14289 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
14290 %  \newcommand*{\footdir@LeftRightElse}{%
14291 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
14292 %      \footdir@debug{abspage \the\value{zabspage}: else}%
14293 %      \ltx@thirdofthree

```



```

14294 % }{%
14295 % \if\csname footdir@\the\value{zabspage}\endcsname L%
14296 % \footdir@debug{abspage \the\value{zabspage}: left}%
14297 % \expandafter\ltx@firstofthree
14298 % \else
14299 % \footdir@debug{abspage \the\value{zabspage}: right}%
14300 % \expandafter\ltx@secondofthree
14301 % \fi
14302 % }%
14303 % }%
14304 %}{%
14305 \providecommand*{\c@zabspage}{\c@abspage}%
14306 \newcommand*{\footdir@LeftRightElse}{%
14307 \footdir@write
14308 \zifrefundefined{\thefootdir@label}{%
14309 \footdir@debug{abspage ??: else}%
14310 \ltx@thirdofthree
14311 }{%
14312 \edef\footdir@abspage{%
14313 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
14314 }%
14315 \ltx@ifundefined{footdir@\footdir@abspage}{%
14316 \footdir@debug{\footdir@abspage: else}%
14317 \ltx@thirdofthree
14318 }{%
14319 \if\csname footdir@\footdir@abspage\endcsname L%
14320 \footdir@debug{\footdir@abspage: left}%
14321 \expandafter\ltx@firstofthree
14322 \else
14323 \footdir@debug{\footdir@abspage: right}%
14324 \expandafter\ltx@secondofthree
14325 \fi
14326 }%
14327 }%
14328 }%
14329 %}
14330 \newcommand*{\footdir@fntext}[1]{%
14331 \zifrefundefined{\thefootdir@label}{%
14332 }{%
14333 \edef\footdir@name{%
14334 footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
14335 }%
14336 \@ifundefined{footdir@name}{%
14337 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
14338 }{}%
14339 }%
14340 }
14341
14342 \newcommand*{\footdir@temp}[3]{%
14343 \@ifdefinable{#1}{%
14344 \let#1#2%
14345 \renewcommand{#2}[1]{%
14346 \footdir@write
14347 \footdir@fntext{#3}%

```



```

14348     \stepcounter{footdir@label}%
14349     \footdir@fntext{#3}%
14350     \footdir@toks{##1}%
14351     \footdir@toks\expandafter{%
14352         \the\expandafter\footdir@toks
14353         \expandafter
14354         \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
14355     }%
14356     \expandafter#1\expandafter{\the\footdir@toks}%
14357 }%
14358 }%
14359 }
14360
14361 \def\right@footnoterule{%
14362     \kern-3\p@
14363     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14364     \kern2.6\p@}
14365 \def\left@footnoterule{\kern-3\p@
14366     \hrule \@width .4\columnwidth \kern 2.6\p@}
14367 \def\textwidth@footnoterule{\kern-3\p@
14368     \hrule \@width \columnwidth \kern 2.6\p@}
14369 \def\leftfootnoterule{%
14370     \bidi@autofootnoterulefalse%
14371     \def\footnoterule{\left@footnoterule}}
14372 \let\LRfootnoterule=\leftfootnoterule
14373 \def\rightfootnoterule{%
14374     \bidi@autofootnoterulefalse%
14375     \def\footnoterule{\right@footnoterule}}
14376 \def\textwidthfootnoterule{%
14377     \bidi@autofootnoterulefalse%
14378     \def\footnoterule{\textwidth@footnoterule}}
14379
14380
14381
14382 \def\auto@footnoterule{%
14383     \footdir@LeftRightElse%
14384     \left@footnoterule%
14385     \right@footnoterule%
14386     \left@footnoterule%
14387 }
14388
14389
14390
14391 \def\autofootnoterule{%
14392     \bidi@autofootnoteruletrue%
14393     \def\footnoterule{\auto@footnoterule}%
14394 }
14395
14396 \newcommand*{\SplitFootnoteRule}{%
14397     \gdef\split@prev{0}
14398     \let\pagefootnoterule\footnoterule
14399     \let\mpfootnoterule\footnoterule
14400     \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
14401     \def\footnoterule{\relax

```



```

14402 \ifx \@listdepth\@mplistdepth
14403 \mpfootnoterule
14404 \else
14405 \ifnum\split@prev=\z@
14406 \pagefootnoterule
14407 \else
14408 \splitfootnoterule
14409 \fi
14410 \xdef\split@prev{\the\insertpenalties}%
14411 \fi
14412 }%
14413 }
14414
14415
14416
14417
14418 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
14419 \protected@xdef\@thefnmark{\thempfn}%
14420 \@footnotemark\@RTLfootnotetext}}
14421 \def\@xRTLfootnote[#1]{%
14422 \begingroup
14423 \csname c@\@mpfn\endcsname #1\relax
14424 \unrestored@protected@xdef\@thefnmark{\thempfn}%
14425 \endgroup
14426 \@footnotemark\@RTLfootnotetext}
14427 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
14428 \protected@xdef\@thefnmark{\thempfn}%
14429 \@footnotemark\@LTRfootnotetext}}
14430 \def\@xLTRfootnote[#1]{%
14431 \begingroup
14432 \csname c@\@mpfn\endcsname #1\relax
14433 \unrestored@protected@xdef\@thefnmark{\thempfn}%
14434 \endgroup
14435 \@footnotemark\@LTRfootnotetext}
14436
14437
14438 \def\setfootnoterL{\@RTL@footnotetrue}
14439 \def\unsetfootnoterL{\@RTL@footnotefalse}
14440 \def\setfootnoterLR{\unsetfootnoterL}
14441
14442 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
14443 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
14444 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
14445
14446 \long\def\@footnotetext#1{\insert\footins{%
14447 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14448 \reset@font%
14449 \bidi@footnotetext@font% \reset@font\footnotesize
14450 \interlinepenalty\interfootnotelinepenalty
14451 \splittopskip\footnotesep
14452 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
14453 \hsize\columnwidth \@parboxrestore
14454 \protected@edef\@currentlabel{%
14455 \csname p@footnote\endcsname\@thefnmark

```



```

14456 }%
14457 \color@begingroup
14458 \makefnstext{%
14459 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14460 \color@endgroup}}%
14461
14462
14463 \long\def\@RTLfootnotetext#1{\insert\footins{%
14464 \RTLtrue%
14465 \reset@font%
14466 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
14467 \interlinepenalty\interfootnotelinepenalty
14468 \splittopskip\footnotesep
14469 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
14470 \hsize\columnwidth \@parboxrestore
14471 \protected@edef\@currentlabel{%
14472 \csname p@footnote\endcsname\@thefnmark
14473 }%
14474 \color@begingroup
14475 \makefnstext{%
14476 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14477 \color@endgroup}}%
14478
14479 \long\def\@LTRfootnotetext#1{\insert\footins{%
14480 \RTLfalse%
14481 \reset@font%
14482 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
14483 \interlinepenalty\interfootnotelinepenalty
14484 \splittopskip\footnotesep
14485 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
14486 \hsize\columnwidth \@parboxrestore
14487 \protected@edef\@currentlabel{%
14488 \csname p@footnote\endcsname\@thefnmark
14489 }%
14490 \color@begingroup
14491 \makefnstext{%
14492 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14493 \color@endgroup}}%
14494
14495 \AtBeginDocument{%
14496 \if@RTL@footnote
14497 \newcommand*{\bidi@footdir@footnote}{R}
14498 \else
14499 \newcommand*{\bidi@footdir@footnote}{L}
14500 \fi%
14501 }
14502
14503 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
14504 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
14505 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
14506
14507 \long\def\@mpRTLfootnotetext#1{%
14508 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@foot
14509 \global\setbox\@mpfootins\vbox{%

```



```

14510 \unvbox\@mpfootins
14511 \@RTLtrue
14512 \reset@font%
14513 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
14514 \hsize\columnwidth
14515 \@parboxrestore
14516 \protected@edef\@currentlabel
14517 {\csname p@mpfootnote\endcsname\@thefnmark}%
14518 \color@begingroup
14519 \makefnmark{%
14520 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14521 \color@endgroup}}
14522 \long\def\@mpLTRfootnotetext#1{%
14523 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footno
14524 \global\setbox\@mpfootins\vbox{%
14525 \unvbox\@mpfootins
14526 \@RTLfalse
14527 \reset@font%
14528 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
14529 \hsize\columnwidth
14530 \@parboxrestore
14531 \protected@edef\@currentlabel
14532 {\csname p@mpfootnote\endcsname\@thefnmark}%
14533 \color@begingroup
14534 \makefnmark{%
14535 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14536 \color@endgroup}}
14537 \long\def\@mpfootnotetext#1{%
14538 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnote
14539 \global\setbox\@mpfootins\vbox{%
14540 \unvbox\@mpfootins
14541 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14542 \reset@font%
14543 \bidi@footnotetext@font% \reset@font\footnotesize
14544 \hsize\columnwidth
14545 \@parboxrestore
14546 \protected@edef\@currentlabel
14547 {\csname p@mpfootnote\endcsname\@thefnmark}%
14548 \color@begingroup
14549 \makefnmark{%
14550 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14551 \color@endgroup}}
14552 \def\@iiminipage#1#2[#3]#4{%
14553 \leavevmode
14554 \@pboxswfalse
14555 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
14556 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\
14557 \setlength\@tempdima{#4}%
14558 \def\@mpargs{{#1}{#2}[#3]{#4}}%
14559 \setbox\@tempboxa\vbox\bgroup
14560 \color@begingroup
14561 \hsize\@tempdima
14562 \textwidth\hsize \columnwidth\hsize
14563 \@parboxrestore

```




```

14564 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
14565 \let\@footnotetext\@mpfootnotetext
14566 \let\@LTRfootnotetext\@mpLTRfootnotetext
14567 \let\@RTLfootnotetext\@mpRTLfootnotetext
14568 \let\@listdepth\@mplistdepth \@mplistdepth\z@
14569 \@minipagerestore
14570 \setminipage}
14571 \def\endminipage{%
14572 \par
14573 \unskip
14574 \ifvoid\@mpfootins\else
14575 \vskip\skip\@mpfootins
14576 \normalcolor
14577 \bidi@mpfootnoterule
14578 \unvbox\@mpfootins
14579 \fi
14580 \@minipagefalse %% added 24 May 89
14581 \color@endgroup
14582 \egroup
14583 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
14584 \def\LTRthanks#1{\footnotemark
14585 \protected@xdef\@thanks{\@thanks
14586 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
14587 }
14588 \def\LTRfootnotetext{%
14589 \@ifnextchar [\@xLTRfootnotenext
14590 {\protected@xdef\@thefnmark{\thempfn}%
14591 \@LTRfootnotetext}}
14592 \def\@xLTRfootnotenext[#1]{%
14593 \begingroup
14594 \csname c@\@mpfn\endcsname #1\relax
14595 \unrestored@protected@xdef\@thefnmark{\thempfn}%
14596 \endgroup
14597 \@LTRfootnotetext}
14598 \def\RTLthanks#1{\footnotemark
14599 \protected@xdef\@thanks{\@thanks
14600 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
14601 }
14602 \let\@thanks\@empty
14603 \def\RTLfootnotetext{%
14604 \@ifnextchar [\@xRTLfootnotenext
14605 {\protected@xdef\@thefnmark{\thempfn}%
14606 \@RTLfootnotetext}}
14607 \def\@xRTLfootnotenext[#1]{%
14608 \begingroup
14609 \csname c@\@mpfn\endcsname #1\relax
14610 \unrestored@protected@xdef\@thefnmark{\thempfn}%
14611 \endgroup
14612 \@RTLfootnotetext}
14613 \leftfootnoterule

```

97 File footnotebackref-xetex-bidi.def

```

14614 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnoteb

```



```

14615 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
14616 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
14617
14618 \renewcommand*\LTRfootnote{%
14619     \refstepcounter{BackrefHyperFootnoteCounter}%
14620     \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
14621     \label{\BackrefFootnoteTag}%
14622     \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
14623
14624 \renewcommand*\RTLfootnote{%
14625     \refstepcounter{BackrefHyperFootnoteCounter}%
14626     \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
14627     \label{\BackrefFootnoteTag}%
14628     \@ifnextchar [\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
14629 \newcommand\Backref@HyperLTRFootnote[1]{%
14630     \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
14631
14632 \newcommand\Backref@HyperRTLFootnote[1]{%
14633     \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
14634
14635 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
14636     \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
14637
14638 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
14639     \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
14640
14641 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
14642 \ifFootnoteBackref@numberlinked
14643 \renewcommand{\footfootmark}{%
14644     \ifdim\footmarkwidth < \z@
14645         \llap{\hb@xt@ -\footmarkwidth{%
14646             \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14647             \hspace*{-\footmarkwidth}}}%
14648     \else
14649         \ifdim\footmarkwidth = \z@
14650             {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14651         \else
14652             \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
14653         \fi
14654     \fi}
14655 \renewcommand{\LTRfootfootmark}{%
14656     \ifdim\footmarkwidth < \z@
14657         \llap{\hb@xt@ -\footmarkwidth{%
14658             \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14659             \hspace*{-\footmarkwidth}}}%
14660     \else
14661         \ifdim\footmarkwidth = \z@
14662             {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14663         \else
14664             \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
14665         \fi
14666     \fi}
14667 \renewcommand{\RTLfootfootmark}{%
14668     \ifdim\footmarkwidth < \z@

```



```

14669 \llap{\hb@xt@ -\footmarkwidth{%
14670 \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14671 \hspace*{-\footmarkwidth}}%
14672 \else
14673 \ifdim\footmarkwidth = \z@
14674 {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14675 \else
14676 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14677 \fi
14678 \fi}
14679 \fi
14680 }

```

98 File framed-xetex-bidi.def

```

14681 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for xetex]
14682 \renewcommand\TitleBarFrame[3][\begingroup
14683 \ifx\delimiter#1\delimiter
14684 \let\TF@conlab\empty
14685 \else
14686 \def\TF@conlab{% continuation label
14687 \nointerlineskip
14688 \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
14689 \fi
14690 %\let\TF@savecolor\current@color
14691 \textcolor{TFFrameColor}{%
14692 \CustomFBox
14693 {\TF@Title{#2}}{\TF@conlab}}%
14694 \fboxrule\fboxrule\fboxrule\fboxrule
14695 %{\let\current@color\TF@savecolor\set@color #3}%
14696 {\normalcolor #3}%
14697 }\endgroup
14698 }
14699 \renewenvironment{titled-frame}[1]{%
14700 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
14701 \TitleBarFrame{\textbf{#1}}}%
14702 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
14703 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
14704 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
14705 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1} (cont)}}%
14706 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
14707 \TitleBarFrame{\textbf{#1} (cont)}}}%
14708 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
14709 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
14710 % could interfere with the width measurement.
14711 {\endMakeFramed}
14712 \chardef\FrameRestore=\catcode`\| % for debug
14713 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
14714 \def\fb@put@frame#1#2{\relax
14715 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
14716 | \message{===== Entering putframe =====}~J
14717 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
14718 \ifinner
14719 \fb@putboxa#1%

```



```

14720 \fb@afterframe
14721 \else
14722 \dimen@ \pagegoal \advance \dimen@ - \pagetotal % natural space left on page
14723 \ifdim \dimen@ < 2 \baselineskip % Too little room on page
14724 | \message{Page has only \the \dimen@ \space room left; eject. }%
14725 \eject \fb@adjheight \fb@put@frame#1#2%
14726 \else % there's appreciable room left on the page
14727 \fb@sizeofframe#1%
14728 | \message{\string \pagetotal = \the \pagetotal,
14729 | \string \pagegoal = \the \pagegoal,
14730 | \string \pagestretch = \the \pagestretch,
14731 | \string \pageshrink = \the \pageshrink,
14732 | \string \fb@frh = \the \fb@frh. \space}
14733 | \message{^^JBox of size \the \ht \@tempboxa \space}%
14734 \begingroup % temporarily set \dimen@ to be...
14735 \advance \dimen@ .8 \pageshrink % maximum space available on page
14736 \advance \dimen@ - \fb@frh \relax % max space available for frame's contents
14737 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
14738 \expandafter \endgroup
14739 % expand \ifdim, then restore \dimen@ to real room left on page
14740 \ifdim \dimen@ > \ht \@tempboxa % whole box does fit
14741 | \message{fits in \the \dimen@. }%
14742 % ToDo: Change this to use vsplit anyway to capture the marks
14743 % MERGE THIS WITH THE else CLAUSE!!!
14744 \fb@putboxa#1%
14745 \fb@afterframe
14746 \else % box must be split
14747 | \message{must be split to fit in \the \dimen@. }%
14748 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
14749 \fb@sizeofframe#2%
14750 \setbox \@tempboxa \vbox{% simulate frame and flexibility of the page:
14751 \vskip \fb@frh \@plus \pagestretch \@minus .8 \pageshrink
14752 \kern 137sp \kern -137sp \penalty -30
14753 \unvbox \@tempboxa}%
14754 \edef \fb@resto@set {\boxmaxdepth \the \boxmaxdepth
14755 \splittopskip \the \splittopskip}%
14756 \boxmaxdepth \z@ \splittopskip \z@
14757 | \message{^^JPadded box of size \the \ht \@tempboxa \space split to \the \dimen@}%
14758 % Split box here
14759 \setbox \tw@ \vsplit \@tempboxa to \dimen@
14760 | \toks99 \expandafter {\splitfirstmark}%
14761 | \toks98 \expandafter {\splitbotmark}%
14762 | \message{Marks are: \the \toks99, \the \toks98. }%
14763 \setbox \tw@ \vbox {\unvbox \tw@}% natural-sized
14764 | \message{Natural height of split box is \the \ht \tw@, leaving
14765 | \the \ht \@tempboxa \space remainder. }%
14766 % If the split-to size > (\vsize - \topskip), then set box to full size.
14767 \begingroup
14768 \advance \dimen@ \topskip
14769 \expandafter \endgroup
14770 \ifdim \dimen@ > \pagegoal
14771 | \message{Frame is big -- Use up the full column. }%
14772 \dimen@ii \pagegoal
14773 \advance \dimen@ii - \topskip

```



```

14774         \advance\dimen@ii \FrameHeightAdjust\relax
14775     \else % suspect this is implemented incorrectly:
14776         % If the split-to size > feasible room_on_page, rebox it smaller.
14777         \advance\dimen@.8\pageshrink
14778         \ifdim\ht\tw@>\dimen@
14779 |         \message{Box too tall; rebox it to \the\dimen@. }%
14780         \dimen@ii\dimen@
14781     \else % use natural size
14782         \dimen@ii\ht\tw@
14783     \fi
14784 \fi
14785 % Re-box contents to desired size \dimen@ii
14786 \advance\dimen@ii -\fb@frh
14787 \setbox\tw@\vbox to\dimen@ii \bgroup
14788 % remove simulated frame and page flexibility:
14789 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
14790 \unvbox\tw@ \unpenalty\unpenalty
14791 \ifdim\lastkern=-137sp % whole box went to next page
14792 |     \message{box split at beginning! }%
14793     % need work here???
14794     \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
14795     \fb@adjheight
14796     \fb@put@frame#1#2% INSERTED ???
14797 \else % Got material split off at the head
14798     \egroup \fb@resto@set
14799     \ifvoid\@tempboxa % it all fit after all
14800 |     \message{box split at end! }%
14801     \setbox\@tempboxa\box\tw@
14802     \fb@putboxa#1%
14803     \fb@afterframe
14804     \else % it really did split
14805 |     \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
14806     \ifdim\wd\tw@>\z@
14807         \wd\tw@\wd\@tempboxa
14808         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
14809     \else
14810 |     \message{Zero width means likely blank. Don't frame it (guess)}%
14811     \box\tw@
14812     \fi
14813     \hrule \@height\z@ \@width\hsize
14814     \eject
14815     \fb@adjheight
14816     \fb@put@frame\LastFrameCommand\MidFrameCommand
14817 \fi\fi\fi\fi\fi
14818 }
14819 \def\fb@putboxa#1{%
14820     \ifvoid\@tempboxa
14821         \PackageWarning{framed}{Boxa is void -- discard it. }%
14822     \else
14823 |     \message{Frame and place boxa. }%
14824 |     %{\showoutput\showbox\@tempboxa}%
14825     \centerline{#1{\hboxL{\box\@tempboxa}}}%
14826 \fi
14827 }

```



```

14828 \catcode`\|=\FrameRestore
14829 \def\FrameRestore{%
14830   \let\if@nobreak\iffalse
14831   \let\if@noskipsec\iffalse
14832   \let\-\@dischph
14833   \let'\@acci\let`\@accii\let\=\@acciii
14834   % \message{FrameRestore:
14835   %   \@totalleftmargin=\the \@totalleftmargin,
14836   %   \rightmargin=\the\rightmargin,
14837   %   \@listdepth=\the\@listdepth. }%
14838   % Test if we are in a list (or list-like paragraph)
14839   \ifnum \ifdim \@totalleftmargin>\z@ 1\fi
14840     \ifdim \rightmargin>\z@ 1\fi
14841     \ifnum \@listdepth>\z@ 1\fi 0>\z@
14842     % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
14843     %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
14844     %   \labelwidth=\the\labelwidth. }%
14845     \@setminipage % snug fit around the item
14846     % Now try to propagate changes of width from \hsize to list parameters.
14847     % This is deficient, but a more advanced way to indicate modification to text
14848     % dimensions is not (yet) provided; in particular, no separate left/right
14849     % adjustment.
14850     \advance\linewidth-\columnwidth \advance\linewidth\hsize
14851     \parshape\@ne \@totalleftmargin \linewidth
14852   \else % Not in list
14853     \linewidth=\hsize
14854     %\message{No list, set \string\linewidth=\the\hsize. }%
14855   \fi
14856   \sloppy
14857 }

```

99 File ftnright-xetex-bidi.def

```

14858 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
14859
14860 \def\prepare@bidi@copyins{%
14861   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
14862   \global\skip\@bidi@copyins@\z@
14863   \global\count\@bidi@copyins@\z@
14864   \global\dimen\@bidi@copyins@\textheight}
14865
14866 \newskip\bidi@rcol@copyinsskip
14867
14868 \def\LTR@outputdblcol{%
14869   \if@firstcolumn
14870     \global\@firstcolumnfalse
14871     \global\setbox\@leftcolumn\copy\@outputbox
14872     \global\count\footins\@m
14873     \global\skip\footins\rcol@footinsskip
14874     \global\count\@bidi@copyins@\@m
14875     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
14876     \splitmaxdepth\maxdimen
14877     \vbadness\maxdimen
14878     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%

```



```

14879 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14880 \toks@\expandafter{\topmark}%
14881 \xdef\@firstcoltopmark{\the\toks@}%
14882 \toks@\expandafter{\splitfirstmark}%
14883 \xdef\@firstcolfirstmark{\the\toks@}%
14884 \ifx\@firstcolfirstmark\@empty
14885 \global\let\@setmarks\relax
14886 \else
14887 \gdef\@setmarks{%
14888 \let\firstmark\@firstcolfirstmark
14889 \let\topmark\@firstcoltopmark}%
14890 \fi
14891 \else
14892 \preparefootins
14893 \prepare@bidi@copyins
14894 \global\@firstcolumntrue
14895 \setbox\@outputbox\vbox{%
14896 \hb@xt@\textwidth{%
14897 \hb@xt@\columnwidth{%
14898 \bidi@firstcolumn@status@write%
14899 \box\@leftcolumn \hss}%
14900 \hfil
14901 {\normalcolor\vrule \@width\columnseprule}%
14902 \hfil
14903 \hb@xt@\columnwidth{%
14904 \bidi@lastcolumn@status@write%
14905 \box\@outputbox \hss}}}%
14906 \@combinedblfloats
14907 \@setmarks
14908 \@outputpage
14909 \begingroup
14910 \@dblfloatplacement
14911 \@startdblcolumn
14912 \@whilesw\if@fcolmade \fi{\@outputpage
14913 \@startdblcolumn}%
14914 \endgroup
14915 \fi}%
14916
14917 \def\RTL@outputdblcol{%
14918 \if@firstcolumn
14919 \global\@firstcolumnfalse
14920 \global\setbox\@leftcolumn\copy\@outputbox
14921 \global\count\footins\@m
14922 \global\skip\footins\rcol@footinsskip
14923 \global\count\@bidi@copyins\@m
14924 \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
14925 \splitmaxdepth\maxdimen
14926 \vbadness\maxdimen
14927 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14928 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14929 \toks@\expandafter{\topmark}%
14930 \xdef\@firstcoltopmark{\the\toks@}%
14931 \toks@\expandafter{\splitfirstmark}%
14932 \xdef\@firstcolfirstmark{\the\toks@}%

```



```

14933 \ifx\@firstcolfirstmark\@empty
14934 \global\let\@setmarks\relax
14935 \else
14936 \gdef\@setmarks{%
14937 \let\firstmark\@firstcolfirstmark
14938 \let\topmark\@firstcoltopmark}%
14939 \fi
14940 \else
14941 \preparefootins
14942 \prepare@bidi@copyins
14943 \global\@firstcolumntrue
14944 \setbox\@outputbox\vbox{%
14945 \hb@xt@\textwidth{%
14946 \hskip \columnwidth
14947 \hfil
14948 {\normalcolor\vrule \@width\columnseprule}%
14949 \hfil
14950 \hb@xt@\columnwidth{%
14951 \bidi@firstcolumn@status@write%
14952 \box\@leftcolumn \hss}%
14953 \hskip -\textwidth
14954 \hb@xt@\columnwidth{%
14955 \bidi@lastcolumn@status@write%
14956 \box\@outputbox \hss}%
14957 \hskip \columnsep
14958 \hskip \columnwidth }}%
14959 \@combinedblfloats
14960 \@setmarks
14961 \@outputpage
14962 \begingroup
14963 \@dblfloatplacement
14964 \@startdblcolumn
14965 \@whiles\if@colmade \fi{\@outputpage
14966 \@startdblcolumn}%
14967 \endgroup
14968 \fi}%
14969
14970 \def\@startcolumn{%
14971 \ifx\@deferlist\@empty
14972 \global\@fcolmadefalse
14973 \global\@colroom\@colht
14974 \else
14975 \ifvoid\footins\else
14976 \ftn@amount\ht\footins
14977 \advance\ftn@amount\dp\footins
14978 \advance\ftn@amount\skip\footins
14979 \fi
14980 \ifvoid\@bidi@copyins\else
14981 \bidi@copyins@amount\ht\@bidi@copyins@
14982 \advance\bidi@copyins@amount\dp\@bidi@copyins@
14983 \advance\bidi@copyins@amount\skip\@bidi@copyins@
14984 \fi
14985 \global\advance\@colht-\ftn@amount
14986 \global\advance\@colht-\bidi@copyins@amount

```




```

14987 \global\@colroom\@colht
14988 \@xstartcol
14989 \global\advance\@colht\ftn@amount
14990 \global\advance\@colroom\ftn@amount
14991 \global\advance\@colht\@bidi@copyins@amount
14992 \global\advance\@colroom\@bidi@copyins@amount
14993 \fi
14994 \if@fcolmade
14995 \setbox\@cclv\box\@outputbox
14996 \@makecol
14997 \else
14998 \ifvoid\footins\else
14999 \insert\footins{\unvbox\footins}\fi
15000 \ifvoid\@bidi@copyins@\else
15001 \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
15002 \fi}
15003
15004 \newdimen\@bidi@copyins@amount
15005
15006 \def\@makecol{\if@firstcolumn
15007 \setbox\@outputbox\box\@cclv
15008 \if@twocolumn \else
15009 \ifvoid\footins \else
15010 \latexerr{ftnright package
15011 used in one-column mode}%
15012 {The ftnright package was designed to
15013 work with LaTeX's standard^^Jtwocolumn
15014 option. It does *not* work with the
15015 multicol package.^^JSo please specify
15016 `twocolumn' in the
15017 \noexpand\documentclass command.}%
15018 \shipout\box\footins \fi
15019 \ifvoid\@bidi@copyins@ \else
15020 \latexerr{ftnright package
15021 used in one-column mode}%
15022 {The ftnright package was designed to
15023 work with LaTeX's standard^^Jtwocolumn
15024 option. It does *not* work with the
15025 multicol package.^^JSo please specify
15026 `twocolumn' in the
15027 \noexpand\documentclass command.}%
15028 \shipout\box\@bidi@copyins@ \fi\fi
15029 \ifnum\insertpenalties>\z@
15030 \latexerr{ftnright package
15031 scrambled footnotes}%
15032 {There is too much footnote material in
15033 the first column and ftnright^^Jis
15034 unable to cope with this.^^JYou need
15035 to reduce the amount to get a properly
15036 formatted page.}%
15037 \fi
15038 \else
15039 \ifvoid\footins
15040 \ifvoid\@bidi@copyins@

```



```

15041     \setbox\@outputbox\box\@cclv
15042   \else
15043     \setbox\@outputbox\vbox
15044     {\ifvoid\@cclv \else
15045       \unvbox\@cclv
15046       \vskip \skip\@bidi@copyins@
15047     \fi
15048     \color@begingroup
15049     \normalcolor
15050     \unvbox \@bidi@copyins@
15051     \color@endgroup}%
15052   \fi
15053 \else
15054   \setbox\@outputbox\vbox
15055   {\ifvoid\@cclv \else
15056     \unvbox\@cclv
15057     \vskip\skip\footins\fi
15058     \color@begingroup
15059     \normalcolor
15060     \footnoterule\unvbox\footins
15061     \color@endgroup
15062     \ifvoid\@bidi@copyins@
15063     \else
15064       \vskip \skip\@bidi@copyins@
15065       \color@begingroup
15066       \normalcolor
15067       \unvbox \@bidi@copyins@
15068       \color@endgroup
15069     \fi
15070   }%
15071 \fi
15072 \fi
15073 \xdef\@freelist{\@freelist\@midlist}%
15074 \global \let \@midlist \@empty
15075 \@combinefloats
15076 \ifvbox\@kludgeins
15077   \@makespecialcolbox
15078 \else
15079   \setbox\@outputbox\vbox to\@colht
15080   {\boxmaxdepth\maxdepth
15081     \@texttop
15082     \@tempdima\dp\@outputbox
15083     \unvbox\@outputbox
15084     \vskip-\@tempdima
15085     \@textbottom}%
15086 \fi
15087 \global\maxdepth\@maxdepth}
15088
15089 \let\leftfootnoterule\@empty
15090 \let\rightfootnoterule\@empty
15091 \let\textwidthfootnoterule\@empty
15092 \let\autofootnoterule\@empty
15093 \let\footnoterule\@empty
15094 \long\def\@makefntext#1{\parindent 1em

```



```

15095 \noindent\hbox to 2em{}%
15096 \llap{\@thefnmark\hbox{.}\,\,}\#1}
15097
15098 \setlength{\skip\@bidi@copyins@}
15099 {10pt plus 5pt minus 3pt}
15100 \AtBeginDocument{\prepare@bidi@copyins}

```

100 File graphicx-xetex-bidi.def

```

15101 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
15102 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
15103 \Grot@setangle{#1}%
15104 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
15105 \Grot@x\z@
15106 \Grot@y\z@
15107 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
15108 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
15109 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
15110 \Grot@x\width \divide\Grot@x\tw@
15111 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
15112 \setkeys{Grot}{#1}%
15113 \setbox\z@\box\@tempboxa
15114 \Grot@setangle{#2}%
15115 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15116 \@end@tempboxa}
15117 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
15118 \leavevmode
15119 \def\Gscale@x{#1}\def\Gscale@y{#2}%
15120 \setbox\z@\hbox{#3}%
15121 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
15122 \ifdim#2\p<\z@
15123 \ht\tw@-#2\dp\z@
15124 \dp\tw@-#2\ht\z@
15125 \else
15126 \ht\tw@#2\ht\z@
15127 \dp\tw@#2\dp\z@
15128 \fi
15129 \ifdim#1\p<\z@
15130 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@hss}%
15131 \else
15132 \wd\tw@#1\wd\z@
15133 \box\tw@
15134 \fi\ifmmode\else\if@RTL\endL\fi\fi}
15135 \def\Gin@iii[#1,#2][#3,#4]#5{%
15136 \begingroup
15137 \ifmmode\else\if@RTL\beginL\fi\fi
15138 \Gin@bboxtrue
15139 \Gin@defaultbp\Gin@llx{#1}%
15140 \Gin@defaultbp\Gin@lly{#2}%
15141 \Gin@defaultbp\Gin@urx{#3}%
15142 \Gin@defaultbp\Gin@ury{#4}%
15143 \Gin@include@graphics{#5}%
15144 \ifmmode\else\if@RTL\endL\fi\fi
15145 \endgroup}

```



```

15146 \def\Gin@ii[#1]#2{%
15147   \def\@tempa{[]}\def\@tempb{#2}%
15148   \ifx\@tempa\@tempb
15149     \def\@tempa{\Gin@iii[#1]}%
15150     \expandafter\@tempa
15151   \else
15152     \begingroup
15153       \ifmmode\else\if@RTL\beginL\fi\fi
15154       \@tempswafalse
15155       \toks@{\Gin@include@graphics{#2}}%
15156       \setkeys{Gin}{#1}%
15157       \Gin@esetsize
15158       \the\toks@
15159       \ifmmode\else\if@RTL\endL\fi\fi
15160     \endgroup
15161   \fi}
15162 \def\reflectbox{\bidiGscale@box-1[1]}
15163 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
15164   \leavevmode
15165   \def\Gscale@x{#1}\def\Gscale@y{#2}%
15166   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
15167   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
15168   \ifdim#2\p@<\z@
15169     \ht\tw@-#2\dp\z@
15170     \dp\tw@-#2\ht\z@
15171   \else
15172     \ht\tw@#2\ht\z@
15173     \dp\tw@#2\dp\z@
15174   \fi
15175   \ifdim#1\p@<\z@
15176     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
15177   \else
15178     \wd\tw@#1\wd\z@
15179     \box\tw@
15180   \fi\ifmmode\else\if@RTL\endL\fi\fi}
15181 \def\scalebox#1{%
15182   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
15183 \def\resizebox{%
15184   \leavevmode
15185   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
15186 \def\bidiGscale@@box#1#2#3{%
15187   \let\@tempa\Gin@exclamation
15188   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
15189   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
15190   \ifx\@tempb\@tempa
15191     \ifx\@tempc\@tempa
15192       \toks@{\mbox}%
15193     \else
15194       \toks@{\bidiGscale@box@dd{#3}#1}%
15195     \fi
15196   \else
15197     \ifx\@tempc\@tempa
15198       \toks@{\bidiGscale@box@dd{#2}\width}%
15199     \else

```



```

15200      \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
15201      \fi
15202      \fi
15203      \the\toks@}
15204 \long\def\bidiGscale@box@ddd#1#2#3{%
15205   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\i
15206     \setlength\@tempdima{#1}%
15207     \setlength\@tempdimb{#2}%
15208     \Gscale@div\@tempa\@tempdima\@tempdimb
15209     \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
15210   \@end@tempboxa}
15211 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
15212   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\i
15213     \setlength\@tempdima{#1}%
15214     \setlength\@tempdimb{#2}%
15215     \Gscale@div\@tempa\@tempdima\@tempdimb
15216     \setlength\@tempdima{#3}%
15217     \setlength\@tempdimb{#4}%
15218     \Gscale@div\@tempb\@tempdima\@tempdimb
15219     \ifGin@iso
15220       \ifdim\@tempa\p@>\@tempb\p@
15221         \let\@tempa\@tempb
15222       \else
15223         \let\@tempb\@tempa
15224       \fi
15225     \fi
15226     \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
15227   \@end@tempboxa}

```

101 File geometry-xetex-bidi.def

```

15228 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
15229 \renewcommand*{\Gm@vrules@mpi}{%
15230 \if@RTLmain%
15231   \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
15232     \llap{\Gm@vrule}\ignorespaces
15233     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
15234     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
15235   \else%
15236   \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
15237     \hskip \textwidth\Gm@vrule\hskip \marginparsep
15238     \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
15239 \renewcommand*{\Gm@vrules@mpii}{%
15240 \if@RTLmain%
15241   \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
15242     \hskip \textwidth\Gm@vrule\hskip \marginparsep
15243     \llap{\Gm@vrule}\hfil\Gm@vrule}%
15244   \else%
15245   \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
15246     \llap{\Gm@vrule}\ignorespaces
15247     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
15248     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
15249 \bidi@patchcmd{\Gm@pageframes}{%
15250   \ifodd\count\z@

```



```

15251         \let\@themargin\oddsidemargin
15252     \else
15253         \let\@themargin\evensidemargin
15254     \fi
15255 }{%
15256     \ifodd\count\z@
15257         \ifRTLmain
15258             \let\@themargin\evensidemargin
15259         \else
15260             \let\@themargin\oddsidemargin
15261         \fi
15262     \else
15263         \ifRTLmain
15264             \let\@themargin\oddsidemargin
15265         \else
15266             \let\@themargin\evensidemargin
15267         \fi
15268     \fi
15269 }{}{}

```

102 File hvfloat-xetex-bidi.def

```

15270 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
15271 \def\do@hvFloat[#1]#2#3{%
15272     \def\hv@shortCap{#1}
15273     \def\hv@longCap{#2}
15274     \def\hv@label{#3}
15275     %\newcommand*{\hvFloat}[5][{}]{%
15276     % [#1]: keyvalues
15277     % #2: type figure | table | ...
15278     % #3: float contents
15279     % [#4]: short caption
15280     % #5: caption
15281     % #6: label
15282     % \setDefault%
15283     % \def\@tempa{#1}%
15284     % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
15285     \def\@tempa{90}%
15286     \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
15287     \else \setlength{\hvMaxCapWidth}{\linewidth}
15288     \fi
15289     %
15290     % First we save the object in \hvObjectBox
15291     %
15292     \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
15293         \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
15294     \else
15295         \savebox{\hvObjectBox}{%
15296             \rotatebox{\hvSet@objectAngle}{%
15297                 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
15298     \fi
15299     \setlength{\hvObjectWidth}{\wd\hvObjectBox}
15300     %
15301     % Now we save the caption with its defined \hvCapWidth

```



```

15302 %
15303 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
15304 \else
15305 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
15306 \else
15307 \setlength{\hvCapWidth}{\hvObjectWidth}
15308 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
15309 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
15310 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
15311 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
15312 \else
15313 \setlength{\hvCapWidth}{\hvMaxCapWidth}
15314 \fi
15315 \fi
15316 \fi
15317 %
15318 % now we have the object and the caption with the right
15319 % rotated angles saved in boxes
15320 %
15321 \def\fps@figure{\hvSet@floatPos}
15322 \ifhv@nonFloat\begin{group}% Start the nonfloat part
15323 \else \begin{\hv@floatType}% Start the floating environment
15324 \fi%
15325 \saveCaptionSkip% we put this space ourselves
15326 \ifx\hvSet@capAngle\hv@Width % need rotation?
15327 \sbox{\hvCaptionBox}{%
15328 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
15329 \ifhv@nonFloat%
15330 \ifhv@onlyText#2%
15331 \else%
15332 \ifx\hv@floatType\hv@figure
15333 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
15334 \else
15335 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
15336 \fi
15337 \fi
15338 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
15339 \fi%
15340 \label{#3}%
15341 \end{minipage}%
15342 }%
15343 \else%
15344 \sbox{\hvCaptionBox}{%
15345 \rotatebox{\hvSet@capAngle}{%
15346 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
15347 \ifhv@nonFloat%
15348 \ifhv@onlyText#2%
15349 \else%
15350 \ifx\hv@floatType\hv@figure
15351 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
15352 \else
15353 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
15354 \fi
15355 \fi

```



```

15356 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
15357     \fi%
15358     \label{#3}%
15359     \end{minipage}%
15360     }%
15361     }%
15362 \fi%
15363 %%
15364 \restoreCaptionSkip% save old values
15365 \ifx\hvSet@objectPos\hv@Right\@bidi@raggedleft%
15366 \else%
15367     \ifx\hvSet@objectPos\hv@Center
15368     \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
15369     \fi%
15370 \fi%
15371 %
15372 % to rotate object and caption together, we save all in another box
15373 % the caption comes first, if its on the left or the top
15374 %
15375 \savebox{\@tempboxa}{%
15376 \ifx\hvSet@capPos\hv@Left % caption on left side
15377 \if@RTL%
15378 \ifx\hvSet@capVPos\hv@Center%
15379     \ifhv@fbox
15380     \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
15381     \else
15382     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
15383     \fi%
15384     \hspace{\hvSet@floatCapSep pt}%
15385     \ifhv@fbox
15386     \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15387     \else
15388     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
15389     \fi%
15390 \else%
15391 \ifx\hvSet@capVPos\hv@Top
15392     \ifhv@fbox
15393     \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15394     \else
15395     \raisebox{-\height}{\usebox{\hvObjectBox}}%
15396     \fi%
15397     \hspace{\hvSet@floatCapSep pt}%
15398     \ifhv@fbox
15399     \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15400     \else
15401     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15402     \fi
15403 \else
15404     \ifhv@fbox
15405     \fbox{\usebox{\hvObjectBox}}%
15406     \else
15407     \usebox{\hvObjectBox}%
15408     \fi
15409     \hspace{\hvSet@floatCapSep pt}%

```




```

15410         \ifhv@fbox
15411         \fbox{\usebox{\hvCaptionBox}}%
15412         \else
15413         \usebox{\hvCaptionBox}%
15414         \fi%
15415     \fi%
15416 \fi%
15417 \else% not RTL
15418     \ifx\hvSet@capVPos\hv@Center%
15419     \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15420     \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
15421     \fi%
15422     \hspace{\hvSet@floatCapSep pt}% capfloatsep
15423     \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
15424     \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
15425     \fi%
15426 \else%
15427     \ifx\hvSet@capVPos\hv@Top % caption at top
15428     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15429     \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15430     \fi
15431     \hspace{\hvSet@floatCapSep pt}% capfloatsep
15432     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15433     \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
15434     \fi%
15435     \else% caption on bottom
15436     \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
15437     \else\usebox{\hvCaptionBox}
15438     \fi%
15439     \hspace{\hvSet@floatCapSep pt}%
15440     \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
15441     \else \usebox{\hvObjectBox}
15442     \fi%
15443     \fi%
15444 \fi% end of RTL
15445 \fi%
15446 \else
15447     \ifx\hvSet@capPos\hv@Top
15448     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
15449     \begin{minipage}{\wd\hvCaptionBox}
15450     \else
15451     \begin{minipage}{\wd\hvObjectBox}
15452     \fi
15453     \centering
15454     \ifhv@fbox
15455     \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
15456     \fbox{\usebox{\hvObjectBox}}
15457     \else
15458     \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
15459     \usebox{\hvObjectBox}
15460     \fi%
15461     \end{minipage}
15462     \else
15463     \ifx\hvSet@capPos\hv@Bottom

```



```

15464 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
15465 \begin{minipage}{\wd\hvCaptionBox}
15466 \else
15467 \begin{minipage}{\wd\hvObjectBox}
15468 \fi
15469 \centering
15470 \ifhv@fbox
15471 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
15472 \fbox{\usebox{\hvCaptionBox}}
15473 \else
15474 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
15475 \usebox{\hvCaptionBox}
15476 \fi%
15477 \end{minipage}
15478 \else% the last option: put the caption on the right
15479 \if@RTL%
15480 \ifx\hvSet@capVPos\hv@Center%
15481 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15482 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
15483 \fi%
15484 \hspace{\hvSet@floatCapSep pt}% capfloatsep
15485 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
15486 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
15487 \fi%
15488 \else%
15489 \ifx\hvSet@capVPos\hv@Top % caption at top
15490 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15491 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15492 \fi
15493 \hspace{\hvSet@floatCapSep pt}% capfloatsep
15494 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15495 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
15496 \fi%
15497 \else% caption on bottom
15498 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
15499 \else\usebox{\hvCaptionBox}
15500 \fi%
15501 \hspace{\hvSet@floatCapSep pt}%
15502 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
15503 \else \usebox{\hvObjectBox}
15504 \fi%
15505 \fi%
15506 \fi%
15507 \else% not RTL
15508 \ifx\hvSet@capVPos\hv@Center%
15509 \ifhv@fbox
15510 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
15511 \else
15512 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
15513 \fi%
15514 \hspace{\hvSet@floatCapSep pt}%
15515 \ifhv@fbox
15516 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15517 \else

```



```

15518     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
15519     \fi%
15520   \else%
15521     \ifx\hvSet@capVPos\hv@Top
15522       \ifhv@fbox
15523         \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15524       \else
15525         \raisebox{-\height}{\usebox{\hvObjectBox}}%
15526       \fi%
15527     \hspace{\hvSet@floatCapSep pt}%
15528     \ifhv@fbox
15529       \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15530     \else
15531       \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15532     \fi
15533   \else
15534     \ifhv@fbox
15535       \fbox{\usebox{\hvObjectBox}}%
15536     \else
15537       \usebox{\hvObjectBox}%
15538     \fi
15539     \hspace{\hvSet@floatCapSep pt}%
15540     \ifhv@fbox
15541       \fbox{\usebox{\hvCaptionBox}}%
15542     \else
15543       \usebox{\hvCaptionBox}%
15544     \fi%
15545   \fi%
15546 \fi
15547 \fi% end of RTL
15548 \fi
15549 \fi
15550 \fi
15551 }% End savebox Object and caption
15552 %
15553 % now we rotate the object and caption, if needed
15554 %
15555 \ifx\hvSet@rotAngle\hv@Zero
15556   \usebox{\@tempboxa}
15557 \else
15558   \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
15559 \fi
15560 \ifhv@nonFloat
15561   \ifx\hvSet@objectPos\hv@Center
15562     \ifhv@nonFloat
15563       \hspace{\fill}
15564     \fi
15565   \fi
15566 \endgroup% End the nonfloat part
15567 \else
15568 \end{\hv@floatType}% End the floating environment
15569 \fi
15570 }

```



103 File hyperref-xetex-bidi.def

```

15571 \ProvidesFile{hyperref-xetex-bidi.def}[2025/01/05 v1.4 bidi adaptations for hyperref package]
15572 \AtBeginDocument{%
15573 \def\contentsline#1#2#3#4{%
15574   \ifx\#4\%
15575     \csname l@#1\endcsname{#2}{#3}%
15576   \else
15577     \ifcase\Hy@linktoc % none
15578       \csname l@#1\endcsname{#2}{#3}%
15579     \or % section
15580       \csname l@#1\endcsname{%
15581         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
15582       }{#3}%
15583     \or % page
15584       \csname l@#1\endcsname{#2}{#3}%
15585       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
15586     }%
15587     \else % all
15588       \csname l@#1\endcsname{%
15589         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
15590       }{#3}%
15591       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
15592     }%
15593   \fi
15594 \fi
15595 }
15596 \ifHy@hyperfootnotes
15597   \let\H@@footnotetext\@footnotetext
15598   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
15599   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
15600   \def\xfootnotenext[#1]{%
15601     \begingroup
15602       \csname c@#1\endcsname #1\relax
15603       \unrestored@protected\xdef\thefnmark{\thempfn}%
15604     \endgroup
15605     \ifx\@footnotetext\@mpfootnotetext
15606       \expandafter\H@@mpfootnotetext
15607     \else
15608       \expandafter\H@@footnotetext
15609     \fi
15610   }%
15611   \def\xRTLfootnotenext[#1]{%
15612     \begingroup
15613       \csname c@#1\endcsname #1\relax
15614       \unrestored@protected\xdef\thefnmark{\thempfn}%
15615     \endgroup
15616     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
15617       \expandafter\HRTL@mpRTLfootnotetext
15618     \else
15619       \expandafter\HRTL@RTLfootnotetext
15620     \fi
15621   }%
15622   \def\xLTRfootnotenext[#1]{%

```



```

15623 \begingroup
15624 \csname c@%mpfn\endcsname #1\relax
15625 \unrestored@protected@xdef\@thefnmark{\thempfn}%
15626 \endgroup
15627 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
15628 \expandafter\HLTR@\@mpLTRfootnotetext
15629 \else
15630 \expandafter\HLTR@\@LTRfootnotetext
15631 \fi
15632 }%
15633 \def\xfootnotemark[#1]{%
15634 \begingroup
15635 \c@footnote #1\relax
15636 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
15637 \endgroup
15638 \H@\@footnotemark
15639 }%
15640 \let\H@\@mpfootnotetext\@mpfootnotetext
15641 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
15642 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
15643 \long\def\@mpfootnotetext#1{%
15644 \H@\@mpfootnotetext{%
15645 \ifHy@nesting
15646 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15647 \else
15648 \Hy@raisedlink{%
15649 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15650 }#1%
15651 \fi
15652 }%
15653 }%
15654 \long\def\@mpRTLfootnotetext#1{%
15655 \HRTL@\@mpRTLfootnotetext{%
15656 \ifHy@nesting
15657 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15658 \else
15659 \Hy@raisedlink{%
15660 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15661 }#1%
15662 \fi
15663 }%
15664 }%
15665 \long\def\@mpLTRfootnotetext#1{%
15666 \HLTR@\@mpLTRfootnotetext{%
15667 \ifHy@nesting
15668 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15669 \else
15670 \Hy@raisedlink{%
15671 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15672 }#1%
15673 \fi
15674 }%
15675 }%
15676 \long\def\@footnotetext#1{%

```



```

15677 \H@@footnotetext{%
15678 \ifHy@nesting
15679 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15680 \else
15681 \Hy@raisedlink{%
15682 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15683 }%
15684 \let\@currentHlabel\Hy@footnote@currentHlabel
15685 \let\@currentHref\Hy@footnote@currentHref
15686 \let\@currentlabelname\@empty
15687 #1%
15688 \fi
15689 }%
15690 }%
15691 \long\def\@RTLfootnotetext#1{%
15692 \HRTL@@RTLfootnotetext{%
15693 \ifHy@nesting
15694 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15695 \else
15696 \Hy@raisedlink{%
15697 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15698 }%
15699 \let\@currentHlabel\Hy@footnote@currentHlabel
15700 \let\@currentHref\Hy@footnote@currentHref
15701 \let\@currentlabelname\@empty
15702 #1%
15703 \fi
15704 }%
15705 }%
15706 \long\def\@LTRfootnotetext#1{%
15707 \HLTR@@LTRfootnotetext{%
15708 \ifHy@nesting
15709 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15710 \else
15711 \Hy@raisedlink{%
15712 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15713 }%
15714 \let\@currentHlabel\Hy@footnote@currentHlabel
15715 \let\@currentHref\Hy@footnote@currentHref
15716 \let\@currentlabelname\@empty
15717 #1%
15718 \fi
15719 }%
15720 }%
15721 \ApplyPatchCodeToPackage{tabularx}{%
15722 \let\HyOrg@TX@endtabularx\TX@endtabularx
15723 \def\Hy@tabularx@hook{%
15724 \let\@footnotetext\H@@footnotetext
15725 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
15726 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
15727 \let\@footnotemark\H@@footnotemark
15728 \let\@mpfootnotetext\H@@mpfootnotetext
15729 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
15730 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext

```



```

15731 }%
15732 \begingroup
15733 \toks@{\expandafter{\TX@endtabularx}}%
15734 \xdef\Hy@gtemp{%
15735   \noexpand\Hy@tabularx@hook
15736   \the\toks@
15737 }%
15738 \endgroup
15739 \let\TX@endtabularx\Hy@gtemp
15740 }%
15741 \ApplyPatchCodeToPackage{longtable}{%
15742 \CheckCommand{\LT@p@LTRfnttext}[1]{%
15743   \edef\@tempa{%
15744     \the\LT@p@ftn
15745     \noexpand\LTRfootnotetext[\the\c@footnote]}%
15746   }%
15747   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
15748 }%
15749 \long\def\LT@p@LTRfnttext#1{%
15750   \edef\@tempa{%
15751     \the\LT@p@ftn
15752     \begingroup
15753       \noexpand\c@footnote=\the\c@footnote\relax
15754       \noexpand\protected\xdef\noexpand\@thefnmark{%
15755         \noexpand\thempfn
15756       }%
15757       \noexpand\Hy@LT@LTRfootnotetext{%
15758         \Hy@footnote@currentHref
15759       }%
15760     }%
15761     \global\LT@p@ftn\expandafter{%
15762       \@tempa{#1}%
15763     }%
15764   }%
15765 }%
15766 \long\def\Hy@LT@LTRfootnotetext#1#2{%
15767   \HLTR@LTRfootnotetext{%
15768     \ifHy@nesting
15769       \hyper@@anchor{#1}{#2}%
15770     \else
15771       \Hy@raisedlink{%
15772         \hyper@@anchor{#1}{\relax}%
15773       }%
15774       \def\@currentHref{#1}%
15775       \let\@currentlabelname\@empty
15776       #2%
15777     \fi
15778   }%
15779 }%
15780 \CheckCommand{\LT@p@RTLfnttext}[1]{%
15781   \edef\@tempa{%
15782     \the\LT@p@ftn
15783     \noexpand\RTLfootnotetext[\the\c@footnote]}%
15784   }%

```



```

15785     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
15786 }%
15787 \long\def\LT@p@RTLftntext#1{%
15788     \edef\@tempa{%
15789         \the\LT@p@ftn
15790         \begingroup
15791             \noexpand\c@footnote=\the\c@footnote\relax
15792             \noexpand\protected@xdef\noexpand\@thefnmark{%
15793                 \noexpand\thempfn
15794             }%
15795             \noexpand\Hy@LT@RTLfootnotetext{%
15796                 \Hy@footnote@currentHref
15797             }%
15798         }%
15799     \global\LT@p@ftn\expandafter{%
15800         \@tempa{#1}%
15801     \endgroup
15802 }%
15803 }%
15804 \long\def\Hy@LT@RTLfootnotetext#1#2{%
15805     \HRTL@RTLfootnotetext{%
15806         \ifHy@nesting
15807             \hyper@@anchor{#1}{#2}%
15808         \else
15809             \Hy@raisedlink{%
15810                 \hyper@@anchor{#1}{\relax}%
15811             }%
15812             \def\@currentHref{#1}%
15813             \let\@currentlabelname\@empty
15814             #2%
15815         \fi
15816     }%
15817 }%
15818 }%
15819 \ApplyPatchCodeToPackage{bidipoem}{%
15820 \long\def\bidipoem@p@ftntext#1{%
15821     \edef\@tempx{%
15822         \the\bidipoem@p@ftn
15823         \begingroup
15824             \noexpand\c@name c@\@mpfn\endcsname=\the\c@name c@\@mpfn\endcsname\relax
15825             \noexpand\protected@xdef\noexpand\@thefnmark{%
15826                 \noexpand\thempfn
15827             }%
15828             \noexpand\Hy@bidipoem@footnotetext{%
15829                 \Hy@footnote@currentHref
15830             }%
15831         }%
15832     \global\bidipoem@p@ftn\expandafter{%
15833         \@tempx{#1}%
15834     \endgroup
15835 }%
15836 }%
15837 \long\def\Hy@bidipoem@footnotetext#1#2{%
15838     \H@footnotetext{%

```




```

15839     \ifHy@nesting
15840     \hyper@@anchor{#1}{#2}%
15841   \else
15842     \Hy@raisedlink{%
15843       \hyper@@anchor{#1}{\relax}%
15844     }%
15845     \def\@currentHref{#1}%
15846     \let\@currentlabelname\@empty
15847     #2%
15848   \fi
15849 }%
15850 }%
15851 \long\def\bidipoem@p@LTRfnttext#1{%
15852 \edef\@tempxi{%
15853   \the\bidipoem@p@ftn
15854   \begingroup
15855     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
15856     \noexpand\protected@xdef\noexpand\@thefnmark{%
15857       \noexpand\thempfn
15858     }%
15859     \noexpand\Hy@bidipoem@LTRfootnotetext{%
15860       \Hy@footnote@currentHref
15861     }%
15862   }%
15863   \global\bidipoem@p@ftn\expandafter{%
15864     \@tempxi{#1}%
15865   \endgroup
15866 }%
15867 }%
15868 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
15869 \HLTR@@LTRfootnotetext{%
15870   \ifHy@nesting
15871     \hyper@@anchor{#1}{#2}%
15872   \else
15873     \Hy@raisedlink{%
15874       \hyper@@anchor{#1}{\relax}%
15875     }%
15876     \def\@currentHref{#1}%
15877     \let\@currentlabelname\@empty
15878     #2%
15879   \fi
15880 }%
15881 }%
15882 \long\def\bidipoem@p@RTLfnttext#1{%
15883 \edef\@tempxii{%
15884   \the\bidipoem@p@ftn
15885   \begingroup
15886     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
15887     \noexpand\protected@xdef\noexpand\@thefnmark{%
15888       \noexpand\thempfn
15889     }%
15890     \noexpand\Hy@bidipoem@RTLfootnotetext{%
15891       \Hy@footnote@currentHref
15892     }%

```



```

15893 }%
15894 \global\bidipoem@p@ftn\expandafter{%
15895 \tempxii{#1}%
15896 \endgroup
15897 }%
15898 }%
15899 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
15900 \HRTL@RTLfootnotetext{%
15901 \ifHy@nesting
15902 \hyper@@anchor{#1}{#2}%
15903 \else
15904 \Hy@raisedlink{%
15905 \hyper@@anchor{#1}{\relax}%
15906 }%
15907 \def\@currentHref{#1}%
15908 \let\@currentlabelname\@empty
15909 #2%
15910 \fi
15911 }%
15912 }%
15913 }%
15914 \let\HyOrg@maketitle\maketitle
15915 \def\maketitle{%
15916 \let\Hy@saved@footnotemark\@footnotemark
15917 \let\Hy@saved@footnotetext\@footnotetext
15918 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
15919 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
15920 \let\@footnotemark\H@@footnotemark
15921 \let\@footnotetext\H@@footnotetext
15922 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
15923 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
15924 \@ifnextchar[\Hy@maketitle@optarg{% ]
15925 \HyOrg@maketitle
15926 \Hy@maketitle@end
15927 }%
15928 }%
15929 \def\Hy@maketitle@optarg[#1]{%
15930 \HyOrg@maketitle[#{#1}]%
15931 \Hy@maketitle@end
15932 }%
15933 \def\Hy@maketitle@end{%
15934 \ifx\@footnotemark\H@@footnotemark
15935 \let\@footnotemark\Hy@saved@footnotemark
15936 \fi
15937 \ifx\@footnotetext\H@@footnotetext
15938 \let\@footnotetext\Hy@saved@footnotetext
15939 \fi
15940 \ifx\@RTLfootnotetext\HRTL@RTLfootnotetext
15941 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
15942 \fi
15943 \ifx\@LTRfootnotetext\HLTR@LTRfootnotetext
15944 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
15945 \fi
15946 }%

```



```

15947 \def\realfootnote{%
15948   \@ifnextchar[\@xfootnote{%
15949     \stepcounter{\@mpfn}%
15950     \protected@xdef\@thefnmark{\thempfn}%
15951     \H@@footnotemark\H@@footnotetext
15952   }%
15953 }%
15954 \fi
15955 \def\Hy@BeginAnnot#1{%
15956   \ifmmode\else\beginL\fi%
15957   \global\advance\c@Hy@AnnotLevel\@ne
15958   \ifnum\c@Hy@AnnotLevel=\@ne
15959     #1%
15960   \fi
15961 }
15962 \def\Hy@endAnnot{%
15963   \ifnum\c@Hy@AnnotLevel=\@ne
15964     \Hy@endcolorlink
15965     \@pdfm@mark{eann}%
15966   \fi
15967   \global\advance\c@Hy@AnnotLevel\m@ne
15968   \ifmmode\else\endL\fi%
15969 }
15970 \def\hyper@link#1#2#3{%
15971   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi
15972 }
15973 \def\hyper@linkfile#1#2#3{%
15974   \leavevmode
15975   \Hy@BeginAnnot{%
15976     \def\Hy@pstringF{#2}%
15977     \Hy@CleanupFile\Hy@pstringF
15978     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
15979     \Hy@pstringdef\Hy@pstringD{#3}%
15980     \Hy@MakeRemoteAction
15981     \@pdfm@mark{%
15982       bann<<%
15983         /Type/Annot%
15984         /Subtype/Link%
15985         \ifHy@pdfa /F 4\fi
15986         \Hy@setpdfborder
15987         \ifx\@filebordercolor\relax
15988         \else
15989           /C[\@filebordercolor]%
15990         \fi
15991         /A<<%
15992         /S/GoToR%
15993         /F(\Hy@pstringF)%
15994         /D%
15995         \ifx\@#3\%
15996           [\Hy@href@page\@pdfremotestartview]%
15997         \else
15998           (\Hy@pstringD)%
15999         \fi
16000       \Hy@SetNewWindow

```



```

16001         \Hy@href@nextactionraw
16002         >>%
16003     >>%
16004 }%
16005     \Hy@colorlink\@filecolor
16006 }%
16007 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
16008 \Hy@endAnnot
16009 }
16010 \def\hyper@launch run:#1\#2#3{% filename, anchor text linkname
16011     \leavevmode
16012     \Hy@BeginAnnot{%
16013         \Hy@pstringdef\Hy@pstringF{#1}%
16014         \Hy@pstringdef\Hy@pstringP{#3}%
16015         \@pdfm@mark{%
16016             bann<<%
16017             /Type/Annot%
16018             /Subtype/Link%
16019             \ifHy@pdfa /F 4\fi
16020             \Hy@setpdfborder
16021             \ifx\@runbordercolor\relax
16022             \else
16023                 /C[\@runbordercolor]%
16024             \fi
16025             /A<<%
16026             /F(\Hy@pstringF)%
16027             /S/Launch%
16028             \Hy@SetNewWindow
16029             \ifx\#3\%
16030             \else
16031                 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
16032             \fi
16033             \Hy@href@nextactionraw
16034             >>%
16035         >>%
16036     }%
16037     \Hy@colorlink\@runcolor
16038 }%
16039 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
16040 \Hy@endAnnot
16041 }
16042 \def\hyper@linkurl#1#2{%
16043     \leavevmode
16044     \Hy@BeginAnnot{%
16045         \Hy@pstringdef\Hy@pstringURI{#2}%
16046         \@pdfm@mark{%
16047             bann<<%
16048             /Type/Annot%
16049             /Subtype/Link%
16050             \ifHy@pdfa /F 4\fi
16051             \Hy@setpdfborder
16052             \ifx\@urlbordercolor\relax
16053             \else
16054                 /C[\@urlbordercolor]%

```



```

16055      \fi
16056      /A<<%
16057      /S/URI%
16058      /URI(\Hy@pstringURI)%
16059      \ifHy@href@ismap
16060      /IsMap true%
16061      \fi
16062      \Hy@href@nextactionraw
16063      >>%
16064      >>%
16065      }%
16066      \Hy@colorlink\@urlcolor
16067      }%
16068      \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
16069      \Hy@EndAnnot
16070  }
16071  \def\Acrobatmenu#1#2{%
16072    \Hy@Acrobatmenu{#1}{#2}{%
16073      \Hy@BeginAnnot{%
16074        \EdefEscapeName\Hy@temp@menu{#1}%
16075        \@pdfm@mark{%
16076          bann<<%
16077          /Type/Annot%
16078          /Subtype/Link%
16079          \ifHy@pdfa /F 4\fi
16080          \Hy@setpdfborder
16081          \ifx\@menubordercolor\relax
16082            \else
16083              /C[\@menubordercolor]%
16084            \fi
16085            /A<<%
16086            /S/Named%
16087            /N/\Hy@temp@menu
16088            \Hy@href@nextactionraw
16089            >>%
16090            >>%
16091            }%
16092            \Hy@colorlink\@menucolor
16093          }%
16094          \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
16095          \Hy@EndAnnot
16096        }%
16097      }
16098      \def\hyper@natlinkstart#1{%
16099        \Hy@backout{#1}%
16100        \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
16101        \def\hyper@nat@current{#1}%
16102      }
16103      \def\hyper@natlinkend{%
16104        \if@RTL\endR\fi\hyper@linkend
16105      }
16106      \def\hyper@natlinkbreak#1#2{%
16107        \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
16108      }%

```



```

16109 }
16110 \pdfstringdefDisableCommands{%
16111 \let\LRE\@firstofone
16112 \let\LR\@firstofone
16113 \let\RLE\@firstofone
16114 \let\RL\@firstofone
16115 \def\XeTeX{Xe\TeX}%
16116 \def\XeLaTeX{Xe\LaTeX}%
16117 }
16118 \bidi@patchcmd\@TextField{%
16119 \@pdfm@mark
16120 }{%
16121 \if@RTL
16122 \hskip\Fld@width
16123 \fi
16124 \@pdfm@mark
16125 }{}{}
16126 \bidi@patchcmd\@TextField{%
16127 \unhbox
16128 }{%
16129 \if@RTL
16130 \hskip-\Fld@width
16131 \fi
16132 \unhbox
16133 }{}{}
16134 \bidi@patchcmd\@@Radio{%
16135 \@pdfm@mark
16136 }{%
16137 \if@RTL
16138 \hskip\Fld@width
16139 \fi
16140 \@pdfm@mark
16141 }{}{}
16142 \bidi@patchcmd\@@Radio{%
16143 \unhcopy
16144 }{%
16145 \if@RTL
16146 \hskip-\Fld@width
16147 \fi
16148 \unhcopy
16149 }{}{}
16150 \bidi@patchcmd\@Submit{%
16151 \@pdfm@mark
16152 }{%
16153 \if@RTL
16154 \null
16155 \hskip\wd\pdfm@box
16156 \fi
16157 \@pdfm@mark
16158 }{}{}
16159 \bidi@patchcmd\@Submit{%
16160 \unhbox
16161 }{%
16162 \if@RTL

```



```

16163 \hskip-\wd\pdfm@box
16164 \fi
16165 \unhbox
16166 }{}{}
16167 \bidi@patchcmd\@Reset{%
16168 \@pdfm@mark
16169 }{%
16170 \if@RTL
16171 \null
16172 \hskip\wd\pdfm@box
16173 \fi
16174 \@pdfm@mark
16175 }{}{}
16176 \bidi@patchcmd\@Reset{%
16177 \unhbox
16178 }{%
16179 \if@RTL
16180 \hskip-\wd\pdfm@box
16181 \fi
16182 \unhbox
16183 }{}{}

```

104 File `imsproc-xetex-bidi.def`

```

16184 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspoc class for
16185 \newenvironment{thebibliography}[1]{%
16186 \@bibtitlestyle
16187 \normalfont\bibliofont\labelsep .5em\relax
16188 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
16189 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16190 \bidi@thebibliography@font@hook
16191 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
16192 \leftmargin\labelwidth \advance\leftmargin\labelsep
16193 \usecounter{enumiv}}%
16194 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
16195 \sfcode`\.=\@m
16196 }{%
16197 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
16198 \endlist
16199 }
16200
16201 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
16202 \columnseprule\z@ \columnsep 35\p@
16203 \@indextitlestyle
16204 \thispagestyle{plain}%
16205 \let\item\@idxitem
16206 \parindent\z@ \parskip\z@\@plus.3\p@\relax
16207 \if@RTL\raggedleft\else\raggedright\fi
16208 \hyphenpenalty\@M
16209 \footnotesize}
16210 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
16211 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
16212 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
16213

```



```

16214 \def\right@footnoterule{%
16215   \kern-.4\p@
16216   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
16217   \kern11\p@\kern-\footnotesep}
16218 \def\left@footnoterule{\kern-.4\p@
16219   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
16220 \def\@makefnmark{%
16221   \leavevmode
16222   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
16223 }
16224
16225 \def\part{\@startsection{part}{0}%
16226   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
16227   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
16228 \def\@tocline#1#2#3#4#5#6#7{\relax
16229   \ifnum #1>\c@tocdepth % then omit
16230   \else
16231     \par \addpenalty\@secpenalty\addvspace{#2}%
16232     \begingroup \hyphenpenalty\@M
16233     \@ifempty{#4}{%
16234       \@tempdima\csname r@tocindent\number#1\endcsname\relax
16235     }{%
16236       \@tempdima#4\relax
16237     }%
16238     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
16239     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
16240     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
16241     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16242     \nobreak
16243     \endgroup
16244   \fi}
16245 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
16246 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
16247 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
16248 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
16249 \def\maketitle{\par
16250   \@topnum\z@ % this prevents figures from falling at the top of page 1
16251   \@setcopyright
16252   \thispagestyle{firstpage}% this sets first page specifications
16253   \uppercasenonmath\shorttitle
16254   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
16255   \else \andify\shortauthors
16256   \fi
16257   \@maketitle@hook
16258   \begingroup
16259   \@maketitle
16260   \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
16261   \toks4{\def\\{\ignorespaces}}% defend against questionable usage
16262   \edef\@tempa{%
16263     \nx\markboth{\the\toks4
16264       \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
16265   \@tempa
16266   \endgroup
16267   \c@footnote\z@

```




```

16268 \@cleartopmattertags
16269 }

```

105 File leqno-xetex-bidi.def

```

16270 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
16271 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
16272 \rlap{\hskip -\displaywidth
16273 \{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\}}

```

106 File letter-xetex-bidi.def

```

16274 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
16275 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
16276 \thispagestyle{firstpage}%
16277 \{\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
16278 \else % home address
16279 \thispagestyle{empty}%
16280 \{\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}\fi
16281 \fromaddress \*[2\parskip]%
16282 \@date \end{tabular}\par}%
16283 \fi
16284 \vspace{2\parskip}%
16285 \{\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
16286 \vspace{2\parskip}%
16287 #1\par\nobreak}
16288 \renewcommand\left@footnoterule{%
16289 \kern-\p@
16290 \hrule \@width .4\columnwidth
16291 \kern .6\p@}
16292 \renewcommand\right@footnoterule{%
16293 \kern-\p@
16294 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16295 \kern .6\p@}

```

107 File lettrine-xetex-bidi.def

```

16296 \ProvidesFile{lettrine-xetex-bidi.def}[2024/12/08 v0.9 bidi adaptations for lettrine package]
16297 \RemoveFromHook{begindocument}[lettrine]
16298 \AtBeginDocument[lettrine]{%
16299 \if\DefaultOptionsFile\relax
16300 \else
16301 \InputIfFileExists{\DefaultOptionsFile}%
16302 {}%
16303 {\PackageWarning{lettrine.sty}%
16304 {File \DefaultOptionsFile\space not found}%
16305 }%
16306 \fi
16307 \let\ifL@RTL\if@RTL
16308 }

```

108 File lineno-xetex-bidi.def

```

16309 \ProvidesFile{lineno-xetex-bidi.def}[2024/12/07 v0.3 bidi adaptations for lineno package for]

```



```

16310 \bidi@patchcmd{\MakeLineNo}{%
16311   \hb@xt@\z@\makeLineNumber}%
16312 }{%
16313   \hboxL to \z@\makeLineNumber}%
16314 }{}{}
16315
16316 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
16317   \if@RTL
16318     \hb@xt@\linenumberwidth{\LineNumber\hss}%
16319   \else
16320     \LineNumber
16321   \fi
16322 }{}{}
16323
16324 \bidi@patchcmd{\makeLineNumberRight}{%
16325   \hb@xt@\linenumberwidth{\hss\LineNumber}%
16326 }{%
16327   \if@RTL
16328     \LineNumber
16329   \else
16330     \hb@xt@\linenumberwidth{\hss\LineNumber}%
16331   \fi
16332 }{}{}
16333
16334 \bidi@AfterPreamble{%
16335   \if@RTLmain
16336     \rightlinenumbers*
16337   \else
16338     \leftlinenumbers*
16339   \fi
16340   \@ifpackagewith{lineno}{left}{%
16341     \leftlinenumbers*
16342   }{}
16343   \@ifpackagewith{lineno}{right}{%
16344     \rightlinenumbers*
16345   }{}
16346   \@ifpackagewith{lineno}{switch}{%
16347     \if@RTLmain
16348       \switchlinenumbers*%
16349     \else
16350       \switchlinenumbers
16351     \fi
16352   }{}
16353   \@ifpackagewith{lineno}{switch*}{%
16354     \if@RTLmain
16355       \switchlinenumbers
16356     \else
16357       \switchlinenumbers*%
16358     \fi
16359   }{}
16360 }
16361

```



109 File listings-xetex-bidi.def

```

16362 \ProvidesFile{listings-xetex-bidi.def}[2025/01/03 v1.6 bidi adaptations for listings package]
16363 \lst@Key{captiondirection}{textdirection}{%
16364   \lstKV@SwitchCases{#1}%
16365   {textdirection:\\%
16366     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
16367     LTR:\chardef\bidi@lst@caption@direction\z@%
16368   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
16369
16370 \lst@Key{captionscript}{textscript}{%
16371   \lstKV@SwitchCases{#1}%
16372   {textscript:\\%
16373     latin:\chardef\bidi@lst@caption@script\@ne\\%
16374     nonlatin:\chardef\bidi@lst@caption@script\z@%
16375   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
16376
16377 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
16378   \@ifundefined{bidi@lst@caption@direction}{-}{%
16379     \ifnum\bidi@lst@caption@direction=\z@%
16380       #1%
16381     \else%
16382       \ifnum\bidi@lst@caption@direction=\@ne%
16383         #2%
16384       \fi%
16385     \fi%
16386   }}
16387
16388 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
16389   \@ifundefined{bidi@lst@caption@script}{-}{%
16390     \ifnum\bidi@lst@caption@script=\z@%
16391       #1%
16392     \else%
16393       \ifnum\bidi@lst@caption@script=\@ne%
16394         #2%
16395       \fi%
16396     \fi%
16397   }}
16398
16399 \long\def\@bidi@lst@makecaption#1#2{%
16400   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
16401   \vskip\abovcaptionskip
16402   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16403   \sbox\@tempboxa{%
16404     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
16405     #1: #2%
16406     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
16407   }%
16408   \ifdim \wd\@tempboxa >\hsize
16409     #1: #2\par
16410   \else
16411     \global \@minipagefalse
16412     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
16413   \fi

```



```

16414 \vskip\belowcaptionskip}%
16415 \def\lst@makecaption{\@bidi@lst@makecaption}
16416 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
16417 \bidi@AtEndPreamble{%
16418 \bidi@patchcmd{\lst@MakeCaption}{%
16419 \ifx #1t%
16420 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
16421 \expandafter\refstepcounter
16422 \fi {lstlisting}%
16423 }{%
16424 \ifx #1t%
16425 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16426 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
16427 \expandafter\refstepcounter
16428 \fi {lstlisting}%
16429 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
16430 }{}{}%
16431 \bidi@patchcmd{\lst@MakeCaption}{%
16432 \addcontentsline{lol}{lstlisting}%
16433 {\protect\numberline{\thelstlisting}\lst@@caption}%
16434 }{%
16435 \begingroup%
16436 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16437 \addcontentsline{lol}{lstlisting}%
16438 {\protect\numberline{\thelstlisting}\lst@@caption}%
16439 \endgroup%
16440 }{}{}%
16441 }
16442 \ApplyPatchIfPackageLoaded{caption}{%
16443 \AtBeginCaption{%
16444 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
16445 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16446 }
16447 \let\@bidi@lst@makecaption\caption@makecaption%
16448 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
16449 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
16450 }{%
16451 \AtBeginDocument{%
16452 \@ifundefined{captionlabelfalse}{}{}%
16453 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
16454 \@ifundefined{caption@startrue}{}{}%
16455 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
16456 }%
16457 }
16458 \AtBeginDocument{
16459 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
16460 \lst@ifnumberbychapter
16461 \gdef\thelstlisting%
16462 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
16463 \else
16464 \gdef\thelstlisting{\@arabic\c@lstlisting}
16465 \fi}

```



110 File longtable-xetex-bidi.def

```

16466 \ProvidesFile{longtable-xetex-bidi.def}[2025/01/05 v0.8 bidi adaptations for longtable packa
16467 \ExplSyntaxOn
16468 \def\LT@array[#1]#2{%
16469   \UseTaggingSocket{tbl/init}
16470   \tl_if_empty:eTF { \LTcaptive }
16471     {
16472       \tl_gset:Ne \@currentHref {LT@tables.\theHLT@tables}
16473     }
16474     {
16475       \@kernel@refstepcounter{\LTcaptive}\stepcounter{LT@tables}
16476       \tl_gset:Ne \@currentHref {\LTcaptive.\cs_if_exist_use:c {theH\LTcaptive}}
16477     }
16478   \tbl_gzero_row_count:
16479   \UseTaggingSocket{tbl/longtable/init}
16480   \if l#1%
16481     \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
16482   \else\if r#1%
16483     \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
16484   \else\if c#1%
16485     \LTleft\fill \LTright\fill
16486   \fi\fi\fi
16487   \let\LT@mcoll\multicolumn
16488   \let\LT@@tabarray\@tabarray
16489   \let\LT@@hl\hline
16490   \def\@tabarray{%
16491     \let\hline\LT@@hl
16492     \LT@@tabarray}%
16493   \let\LT@tabularcr
16494   \let\tabularnewline\%
16495   \def\newpage{\noalign{\break}}%
16496   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
16497   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
16498   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
16499   \@tempdima\ht\strutbox
16500   \let\@endpbox\LT@endpbox
16501   \ifx\extrarowheight\@undefined
16502     \let\acol\@tabacol
16503     \let\classz\@tabclassz \let\classiv\@tabclassiv
16504     \def\@startpbox{\vtop\LT@startpbox}%
16505     \let\@@startpbox\@startpbox
16506     \let\@@endpbox\@endpbox
16507     \let\LT@LL@FM@cr\@tabularcr
16508   \else
16509     \advance\@tempdima\extrarowheight
16510     \col@sep\@tabcolsep
16511     \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
16512   \fi
16513   \setbox\@arstrutbox\hbox{\vrule
16514     \@height \arraystretch \@tempdima
16515     \@depth \arraystretch \dp \strutbox
16516     \@width \z@}%
16517   \let\@sharp#\let\protect\relax

```



```

16518 \begingroup
16519 \mkpream{#2}%
16520 \tbl_count_table_cols:
16521 \xdef\LT@bchunk{%
16522   \tbl_inbetween_rows:
16523   \global\advance\c@LT@chunks\@ne
16524   \global\LT@rows\z@\setbox\z@\vbox\bgroup
16525   \LT@setprevdepth
16526   \tabskip\LTleft \noexpand\halign to\hsize\bgroup
16527   \tabskip\z@ \@arstrut
16528   \UseTaggingSocket{tbl/row/begin}%
16529   \tbl_init_cell_data_for_row:
16530   \@preamble \tabskip\LTright \cr}%
16531 \endgroup
16532 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
16533 \LT@make@row
16534 \m@th\let\par\@empty
16535 \everycr{%
16536   \noalign{%
16537     \tbl_trace:n {--longtable-->~chunk-row:~ \the\LT@rows \space
16538               row:~ \the\g__tbl_row_int \space
16539               column:~ \the\g__tbl_col_int
16540     }
16541     \tbl_if_row_was_started:T
16542     {
16543       \UseTaggingSocket{tbl/row/end}
16544       \tbl_inbetween_rows:
16545     }
16546     \int_compare:nNt \LT@rows < \LTchunksize
16547     { \tbl_gincr_row_count: } % next is row about to start
16548   }%
16549 }%
16550 \lineskip\z@\baselineskip\z@
16551 \LT@bchunk}
16552 \ExplSyntaxOff
16553 \def\LT@makecaption#1#2#3{%
16554   \LT@mc@LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
16555     \reset@font
16556     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
16557     \ifdim\wd\@tempboxa>\hsize
16558       #1{#2: }#3%
16559     \else
16560       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
16561     \fi
16562     \endgraf\vskip\baselineskip}%
16563   \hss}}
16564 \ApplyPatchCodeToPackage{caption}{%
16565   \renewcommand\LT@makecaption[3]{%
16566     \caption@LT@make{%
16567       \caption@LT@settype\LTcaptype
16568       \caption@LT@setup
16569       \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
16570       \caption@startrue#1\caption@starfalse
16571       \caption@prepare@stepcounter\LTcaptype

```



```

16572     \caption@begin\LTcapttype
16573     \caption@normalsize
16574     \vskip-\ht\strutbox
16575     \caption@ifdefined\FBifcaptop{%
16576         \let\caption@belowskip\@empty}%
16577     \caption@make@above
16578     \caption@@make{#2}{#3}\endgraf
16579     \caption@make@below
16580     \caption@end}}%
16581 }
16582 \def\LT@startpbox#1{%
16583     \bgroup
16584     \color@begingroup
16585     \let\@footnotetext\LT@p@ftntext
16586     \let\@LTRfootnotetext\LT@p@LTRftntext
16587     \let\@RTLfootnotetext\LT@p@RTLftntext
16588     \setlength\hsize{#1}%
16589     \@arrayparboxrestore
16590     \everypar{%
16591         \vrule \@height \ht\@arstrutbox \@width \z@
16592     \everypar{}}%
16593     }
16594 \long\def\LT@p@LTRftntext#1{%
16595     \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
16596     \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
16597 \long\def\LT@p@RTLftntext#1{%
16598     \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
16599     \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
16600 \def\LT@output{%
16601     \ifnum\outputpenalty <-\@Mi
16602         \ifnum\outputpenalty > -\LT@end@pen
16603             \LT@err{floats and marginpars not allowed in a longtable}\@ehc
16604         \else
16605             \setbox\z@\vbox{\unvbox\@cclv}%
16606             \ifdim \ht\LT@lastfoot>\ht\LT@foot
16607                 \dimen@\pagegoal
16608                 \advance\dimen@\ht\LT@foot
16609                 \advance\dimen@-\ht\LT@lastfoot
16610                 \ifdim\dimen@<\ht\z@
16611                     \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
16612                     \@makecol
16613                     \@outputpage
16614                     \global\vsizer\@colroom
16615                     \setbox\z@\vbox{\box\LT@head}%
16616                 \fi
16617             \fi
16618             \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
16619                 \unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastfoot\fi
16620                 \UseTaggingSocket{tbl/longtable/foot}
16621             \if@RTLtab\egroup\endR\egroup\fi
16622         \fi
16623     \else
16624         \setbox\@cclv\vbox{%
16625             \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi

```



```

16626      \unvbox\@cc1v\copy\LT@foot\vss
16627      \if@RTLtab\egroup\endR\egroup\fi
16628    }%
16629    \UseTaggingSocket{tbl/longtable/foot}
16630    \@makecol
16631    \@outputpage
16632    \global\ysize\@colroom
16633    \copy\LT@head\nobreak
16634  \fi}

```

111 File `lscope-xetex-bidi.def`

```

16635 \ProvidesFile{lscope-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for lscope package for
16636 \RequirePackage{graphicx}
16637 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
16638   \if@RTL
16639     \rotatebox[origin=br]{-90}{\box\@outputbox}%
16640   \else
16641     \rotatebox{90}{\box\@outputbox}%
16642   \fi
16643 }{}{}
16644
16645 \g@addto@macro{\landscape}{%
16646   \if@bidi@csdef{bidi@columnwidth}{%
16647     \bidi@columnwidth\columnwidth
16648   }{}%
16649   \let\bidi@left@footnoterule\left@footnoterule
16650   \let\bidi@right@footnoterule\right@footnoterule
16651   \def\left@footnoterule{%
16652     \if@RTL
16653       \bidi@right@footnoterule
16654     \else
16655       \bidi@left@footnoterule
16656     \fi
16657   }%
16658   \def\right@footnoterule{%
16659     \if@RTL
16660       \bidi@left@footnoterule
16661     \else
16662       \bidi@right@footnoterule
16663     \fi
16664   }%
16665 }

```

112 File `mathtools-xetex-bidi.def`

```

16666 \ProvidesFile{mathtools-xetex-bidi.def}[2025/01/03 v0.2 bidi adaptations for mathtools packa
16667 \RequirePackage{graphicx}
16668 \MHInternalSyntaxOn
16669 \def\MT_define_tagform:nwnn #1[#2]#3#4{
16670   \@namedef{MT_tagform_#1:n}##1
16671     {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@@italiccorr#4}
16672 }
16673 \renewtagform{default}{\{()\}}

```



16674 \MHInternalSyntaxOff

113 File mdframed-xetex-bidi.def

```
16675 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
16676 \newif\if@bidi@mdf@RTL
16677 \def\mdf@lrbox#1{%
16678   \mdf@patchamsthm%patch amsthm
16679   \if@RTL\@bidi@mdf@RTLtrue\fi%
16680   \@RTLfalse%
16681   \setbox#1\vbox\bgroup%
16682   \color@begingroup%
16683   \if@bidi@mdf@RTL\@RTLtrue\fi%
16684   \mdf@horizontalmargin@equation%
16685   \columnwidth=\hsize%
16686   \textwidth=\hsize%
16687   \let\if@nobreak\iffalse%
16688   \let\if@noskipsec\iffalse%
16689   \let\par\@par%
16690   \let\-\@dischyph%
16691   \let'\@acci\let'\@accii\let\=\@acciii%
16692   \parindent\z@ \parskip\z@skip%
16693   \linewidth\hsize%
16694   \@totalleftmargin\z@%
16695   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
16696   \parfillskip\@flushglue \lineskip\normallineskip%
16697   \baselineskip\normalbaselineskip%
16698 %% \sloppy%
16699 \let\\@normalcr%
16700 \mdf@par@local%New feature to restore parskip/parindent local in save box
16701 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
16702 \@afterindentfalse%
16703 %\@afterheading%
16704 }
16705 \renewrobustcmd\mdfframedtitleenv[1]{%
16706   \mdf@lrbox{\mdf@frametitlebox}%
16707   \mdf@frametitlealignment%
16708   \leavevmode{\color{\mdf@frametitlefontcolor}%
16709     \normalfont\mdf@frametitlefont{#1}
16710     \ifbool{mdf@ignorerelatdescenders}%
16711     {%
16712       \par\strut\par
16713       \unskip\unskip\setbox0=\lastbox
16714       \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
16715     }{}%
16716     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
16717     \endmdf@lrbox\relax%
16718   \mdf@ignorevbadness%
16719   \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
16720   \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
16721   \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
16722   \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
16723   \mdfframetitleboxtotalheight=\dimexpr
16724     \ht\mdf@frametitlebox
```



```

16725             +\dp\mdf@frametitlebox%
16726             +\mdf@frametitleaboveskip@length
16727             +\mdf@frametitlebelowskip@length
16728             \relax%
16729 }
16730
16731 \renewrobustcmd*\mdf@footnoteoutput{%
16732     \ifvoid\@mpfootins\else%
16733         \nobreak%
16734         \vskip\mdf@footnotedistance@length%
16735         \normalcolor%
16736         \bidi@mpfootnoterule%
16737         \unvbox\@mpfootins%
16738     \fi%
16739 }
16740
16741
16742 \renewrobustcmd*\mdf@footnoteinput{%
16743     \def\@mpfn{mpfootnote}%
16744     \def\thempfn{\thempfootnote}%
16745     \c@mpfootnote\z@%
16746     \let\@footnotetext\@mpfootnotetext%
16747     \let\@LTRfootnotetext\@mpLTRfootnotetext%
16748     \let\@RTLfootnotetext\@mpRTLfootnotetext%
16749 }

```

114 File media9-xetex-bidi.def

```

16750 \ProvidesFile{media9-xetex-bidi.def}[2025/01/03 v0.1 bidi adaptations for media9 package for
16751 \RequirePackage{bidi-media9}

```

115 File bidi-media9.sty

```

16752 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
16753 {bidi fixes for media9 package for the XeTeX engine}
16754
16755 \keys_define:nn{media9/mbtn}{
16756     draft .code:n = {},
16757     final .code:n = {},
16758
16759     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
16760     tooltip .value_required:n = {true},
16761
16762     overface .code:n = {
16763         \sbox\l_mix_poster_box{
16764             \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
16765             \mix_pdfxform:n{\l_mix_poster_box}
16766             \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
16767         },
16768     overface .value_required:n = {true},
16769
16770     downface .code:n = {
16771         \sbox\l_mix_poster_box{
16772             \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}

```



```

16773 \mix_pdfxform:n{\l_mix_poster_box}
16774 \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
16775 },
16776 downface .value_required:n = {true},
16777
16778 3Dgotoview .code:n = {
16779 \tl_set:Nx\l_tmpa_tl{#1} %extract ref
16780 \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl
16781 \tl_trim_spaces:N\l_tmpa_tl
16782 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
16783 \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
16784 \tl_set:Nx\l_tmpb_tl{#1} %extract idx
16785 \regex_replace_once:nnN{[^\:]+:??}{\1}\l_tmpb_tl
16786 \tl_trim_spaces:N\l_tmpb_tl
16787 \tl_if_blank:VF\l_tmpb_tl{
16788 \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
16789 \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
16790 }{
16791 \regex_match:nVTF{^\d+$}\l_tmpb_tl{
16792 \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
16793 }{
16794 \regex_replace_once:nnN{~(\s*)}{\1}\l_tmpb_tl
16795 \regex_replace_once:nnN{(\s~)}{\1}\l_tmpb_tl
16796 \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
16797 }
16798 }
16799 }
16800 \mix_pdfobj:nnn{{dict}}{
16801 /S/JavaScript/JS~(
16802 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
16803 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
16804 annotRM['\l_tmpa_tl']=
16805 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
16806 }
16807 annotRM['\l_tmpa_tl'].activated=true;
16808 )
16809 \tl_if_blank:VF\l_tmpb_tl{
16810 /Next~<<
16811 /S/GoTo3DView
16812 /TA~\tl_use:c{ann@\l_tmpa_tl}
16813 /V\l_mix_vidx_tl
16814 >>
16815 }
16816 }
16817 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
16818 }
16819 }{
16820 \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
16821 \cs_if_exist:NF\g_mix_refundefwarned_tl{
16822 \tl_new:N\g_mix_refundefwarned_tl
16823 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
16824 }
16825 }
16826 },

```



```

16827 3Dgotoview .value_required:n = {true},
16828
16829 mediacommand .code:n = {
16830   \tl_set:Nx\l_tmpa_tl{#1}
16831   \regex_replace_once:nnN{([~:])+}??.*}{\1}\l_tmpa_tl %extract ref
16832   \tl_trim_spaces:N\l_tmpa_tl
16833   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
16834     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
16835       \tl_set:Nx\l_tmpb_tl{#1}
16836       \regex_replace_once:nnN{[~:]+\?:?}{\1}\l_tmpb_tl
16837       \tl_trim_spaces:N\l_tmpb_tl
16838       \regex_replace_all:nnN{^{\|\\}$}{\1}\l_tmpb_tl
16839       \tl_set:Nx\l_mix_cmd_tl{
16840         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
16841       \tl_trim_spaces:N\l_mix_cmd_tl
16842       \tl_set:Nx\l_mix_arg_tl{
16843         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
16844       \tl_trim_spaces:N\l_mix_arg_tl
16845       \mix_pdfobj:nnn{}{dict}{
16846         /S/JavaScript/JS~(
16847           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
16848           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
16849             annotRM['\l_tmpa_tl']=
16850               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
16851           }
16852           annotRM['\l_tmpa_tl'].activated=true;
16853         )
16854         \tl_if_blank:VF\l_mix_cmd_tl{
16855           /Next~<<
16856           /S/RichMediaExecute
16857           /TA~\tl_use:c{ann@\l_tmpa_tl}
16858           /TI~\tl_use:c{main@\l_tmpa_tl}
16859           /CMD~<<
16860           /C~(\l_mix_cmd_tl)
16861           \tl_if_blank:VF\l_mix_arg_tl{
16862             /A~[\l_mix_arg_tl]
16863           }
16864           >>
16865           >>
16866         }
16867       }
16868       \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
16869     }
16870   }{
16871     \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
16872     \cs_if_exist:NF\g_mix_refundefwarned_tl{
16873       \tl_new:N\g_mix_refundefwarned_tl
16874       \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
16875     }
16876   }
16877 },
16878 mediacommand .value_required:n = {true},
16879
16880 jsaction .code:n = {

```



```

16881 \tl_set:Nx\l_tmpa_tl{#1}
16882 \regex_match:nVTF{^[^{}:]+:.*$}\l_tmpa_tl{
16883   \regex_replace_once:nnN{([{}:]+):??.*}\1\l_tmpa_tl %extract ref
16884   \tl_trim_spaces:N\l_tmpa_tl
16885 }{\tl_clear:N\l_tmpa_tl}
16886 \tl_set:Nx\l_tmpb_tl{#1}
16887 \tl_if_blank:VF\l_tmpa_tl{
16888   \tl_if_exist:cF{ann@\l_tmpa_tl}{
16889     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
16890     \cs_if_exist:NF\g_mix_refundefwarned_tl{
16891       \tl_new:N\g_mix_refundefwarned_tl
16892       \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
16893     }
16894   }
16895   \regex_replace_once:nnN{[^:]+\:}\l_tmpb_tl
16896 }
16897 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
16898 \tl_trim_spaces:N\l_tmpb_tl
16899 \tl_if_blank:VF\l_tmpb_tl{
16900   \mix_pdfobj:nnn{}{dict}{
16901     /S/JavaScript/JS~(
16902       try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}}
16903   \bool_lazy_and:nnT{
16904     \tl_if_exist_p:c{ann@\l_tmpa_tl}
16905   }{
16906     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
16907   }{
16908     \mix_pdfobj:nnn{}{dict}{
16909       /S/JavaScript/JS~(
16910         if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
16911         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
16912           annotRM['\l_tmpa_tl']=
16913             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
16914         }
16915         annotRM['\l_tmpa_tl'].activated=true;
16916       )
16917       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
16918     }
16919   }
16920   \bool_if:nT{
16921     \bool_lazy_and_p:nn{
16922       \tl_if_exist_p:c{ann@\l_tmpa_tl}
16923     }{
16924       !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
16925     }
16926     || !\tl_if_blank_p:V\l_tmpb_tl
16927   }{
16928     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
16929   }
16930 },
16931 jsaction .value_required:n = {true},
16932
16933 unknown .code:n = {
16934   \msg_error:nnx{media9}{unknown-option}{\l_keys_key_tl}

```



```

16935 }
16936 }
16937
16938 \RenewDocumentCommand\includemedia{0{mm}}{%#1 options, #2 text/image #3 media file
16939 \mix_uriend:
16940 \group_begin:
16941 \mix_beginLTR:
16942 \mode_leave_vertical:
16943 %empty stream as appearance dummy
16944 \cs_if_exist:NF\g_mix_appearance_tl{
16945 \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
16946 \mix_pdfxform:n{\l_mix_poster_box}
16947 \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
16948 }
16949 \mix_reset:
16950 \mix_urbegin: %treat URI characters correctly
16951 \keys_set:nn{media9/user}{#1}
16952 \mix_uriend:
16953 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
16954 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
16955 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
16956 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
16957 \tl_gtrim_spaces:N\g_mix_flashvars_tl
16958
16959 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
16960
16961 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
16962 %\hbox_set:Nn\l_mix_poster_box{#2}
16963 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
16964 \mix_scale:n{\l_mix_poster_box}
16965 \bool_if:nT{
16966 \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
16967 \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
16968 }{
16969 \tl_gset:Nn\g_mix_usrpbtn_tl{none}
16970 }
16971 \bool_if:NTF\g_mix_usrdraft_bool{
16972 \tl_if_empty:NF\g_mix_usrlabel_tl{
16973 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
16974 }
16975 \tl_if_blank:oTF{#2}{
16976 \mix_urbegin: %treat URI characters correctly
16977 \mix_draftbox:n{\tl_to_str:n{#3}}
16978 \mix_uriend:
16979 }{
16980 \hbox_to_wd:nn{\g_mix_wd_tl}{
16981 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
16982 \box_use:N\l_mix_poster_box\hss
16983 }
16984 }
16985 }{
16986 \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
16987 %attach script that switches off play button overlay upon activation
16988 \mix_pdfobj:nnn{}{stream}{

```



```

16989     {}{
16990         var~ocgs=host.getOCGs(host.pageNum);
16991         for(var~i=0;i<ocgs.length;i++){
16992             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
16993                 ocgs[i].state=false;
16994             }
16995         }
16996     }
16997 }
16998 \mix_pdfobj:nnn}{dict}{
16999     /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
17000 }
17001 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
17002 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
17003 %enforce plain playbutton overlay for XeTeX
17004 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
17005 }
17006 %embed main asset
17007 \mix_uribegin:
17008 \mix_embedasset:n{#3}
17009 \bool_if:nTF{
17010     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
17011 }{
17012     \bool_gset_true:N\g_mix_iiid_bool
17013     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
17014 }{
17015     \str_case_e:nnF{\l_mix_base_tl}{
17016         {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
17017         {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
17018         {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
17019         {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
17020         {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
17021     }\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
17022 }
17023 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
17024 \mix_uriend:
17025 %secondary assets (added by addresource)
17026 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
17027 \seq_map_inline:Nn\g_mix_script_seq{
17028     \mix_embedasset:n{##1}
17029     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
17030 }
17031 %attach 3D calculation script
17032 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
17033     \mix_embedasset:n{3Dmenu.js}
17034     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
17035 }
17036 %create 3D views from file (option 3Dviews)
17037 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
17038     \tl_set:Nn\l_mix_level_tl{-1}
17039     \int_zero:N\l_mix_viewcnt_int
17040     \int_zero:N\l_mix_lineno_int
17041
17042     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}

```



```

17043 \ior_map_inline:Nn\l_mix_vfile_stream{
17044 \int_incr:N\l_mix_lineno_int
17045 \keys_set:nn{media9/views}{##1} %process input line
17046 }
17047 \ior_close:N\l_mix_vfile_stream
17048 }
17049 \bool_if:nT{ %create default 3D view if required
17050 \g_mix_iiid_bool &&
17051 (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
17052 }{
17053 \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
17054 \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
17055 \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
17056 \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
17057 \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
17058 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
17059 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
17060
17061 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
17062 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
17063 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
17064 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
17065
17066 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
17067 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
17068 \tl_clear:N\l_mix_naarray_tl
17069
17070 \bool_if:NF\l_mix_ciiw_bool{
17071 \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
17072 \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
17073 }
17074
17075 \tl_clear:N\l_mix_naarray_tl
17076 \tl_clear:N\l_mix_saarray_tl
17077 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
17078
17079 \mix_view:n{Default}
17080 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
17081
17082 }
17083 \mix_pdfobj:nnn{}{dict}{
17084 /Type/RichMediaInstance
17085 /Subtype/\g_mix_mainassetsub_tl
17086 /Asset~\g_mix_mainasset_tl
17087 \bool_if:NF\g_mix_iiid_bool{
17088 /Params~<<
17089 /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
17090 /Foreground
17091 }{
17092 /Background
17093 }
17094 \tl_if_blank:VF\g_mix_flashvars_tl{
17095 /FlashVars~(\g_mix_flashvars_tl)
17096 }

```




```

17097         >>
17098     }
17099 }
17100 \tl_if_empty:NF\g_mix_usrlabel_tl{
17101     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
17102 }
17103 \mix_pdfobj:nnn{}{dict}{
17104     /Type/RichMediaConfiguration
17105     /Subtype/\g_mix_mainassetsub_tl
17106     /Instances~[\mix_pdflastobj:]
17107 }
17108 \mix_pdfobj:nnn{}{dict}{
17109     /Type/RichMediaContent
17110     /Assets~<</Names~[\g_mix_assets_tl]>>
17111     /Configurations~[\mix_pdflastobj:]
17112     \bool_if:nT{
17113         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
17114     }{
17115         /Views~[\l_mix_iiidviewarray_tl]
17116     }
17117 }
17118 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
17119 \bool_if:nT{
17120     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
17121 }{
17122     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
17123 }
17124 %determine floating window size
17125 \bool_if:NT\g_mix_opt_windowed_bool{
17126     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
17127 }
17128 \mix_pdfobj:nnn{}{dict}{
17129     /Activation~<<
17130     /Condition\g_mix_act_tl
17131     \bool_if:nT{
17132         \g_mix_iiid_bool &&
17133         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
17134     }{ %seems to work only with 3D content
17135         /Animation~<<
17136         /Subtype/\g_mix_playtpe_tl
17137         /PlayCount~\g_mix_playcnt_tl
17138         /Speed~\g_mix_playspd_tl
17139     }
17140 }
17141 \bool_if:nT{
17142     \g_mix_iiid_bool && (
17143         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
17144     )
17145 }{/View~\l_mix_dfltvview_tl}
17146 /Presentation~<<
17147     /Transparent~\g_mix_transp_tl
17148     \bool_if:NTF\g_mix_opt_windowed_bool{
17149         /Style/Windowed
17150         /Window~<<

```



```

17151         /Width~<</Default~\tl_mix_fltd>>
17152         /Height~<</Default~\tl_mix_flht>>
17153         /Position~<<
17154             /HOffset~0/VOffset~0
17155             \str_case_e:nnF{\g_mix_winpos_tl}{
17156                 {tl}{/VAlign/Near/HAlign/Near}
17157                 {cl}{/VAlign/Center/HAlign/Near}
17158                 {bl}{/VAlign/Far/HAlign/Near}
17159                 {bc}{/VAlign/Far/HAlign/Center}
17160                 {br}{/VAlign/Far/HAlign/Far}
17161                 {cr}{/VAlign/Center/HAlign/Far}
17162                 {tr}{/VAlign/Near/HAlign/Far}
17163                 {tc}{/VAlign/Near/HAlign/Center}
17164             }{/HAlign/Center/VAlign/Center}
17165         >>
17166     >>
17167     }{
17168         /Style/Embedded
17169     }
17170     \bool_if:NTF\g_mix_iiid_bool{
17171         /Toolbar~\g_mix_tools_tl
17172         /NavigationPane~\g_mix_nav_tl
17173     }{
17174         /PassContextClick~\g_mix_contextclick_tl
17175     }
17176     >>
17177     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
17178     >>
17179     /Deactivation~<</Condition\g_mix_deact_tl>>
17180 }
17181 \tl_set:Nx\l_mix_settings_tl{mix_pdflastobj:}
17182 \tl_if_empty:NF\g_mix_usrlabel_tl{
17183     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
17184 }
17185 % #1:width, #2:height, #3:depth, #4:content (key-value)
17186 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
17187     /Subtype/RichMedia
17188     /F~4
17189     /BS~<</W~0/S/S>>
17190     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
17191     /NM~(\g_mix_label_tl)
17192     /AP~<</N~\g_mix_appearance_tl>>
17193     /RichMediaSettings~\l_mix_settings_tl
17194     /RichMediaContent~\l_mix_content_tl
17195 }
17196 \tl_if_empty:NF\g_mix_usrlabel_tl{
17197     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
17198     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
17199         \noexpand\the\g@mix@page@int}
17200 }
17201 \mix_pdfobj:nnn{}{dict}{
17202     /S/JavaScript/JS~(
17203         try{
17204             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}

```



```

17205         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
17206             annotRM['\g_mix_label_tl']=
17207                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
17208         }
17209         \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
17210             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
17211                 var~ocgs=this.getOCGs(this.pageNum);
17212                 for(var~i=0;i<ocgs.length;i++){
17213                     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
17214                         var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
17215                     }
17216                 }
17217             }
17218             if(
17219                 !annotRM['\g_mix_label_tl'].activated&&(
17220                     app.viewerType=='Reader' ||
17221                     app.viewerType=='Exchange' ||
17222                     app.viewerType=='Exchange-Pro'
17223                 )&&app.viewerVersion>=9
17224             ){
17225                 ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
17226             }
17227         }
17228     }catch(e){}
17229     this.dirty=false;
17230 )
17231 }
17232 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
17233     /Subtype/Widget
17234     /FT/Btn/Ff~65537/F~2
17235     /BS~<</W~0>>
17236     /T~(fd@{\g_mix_label_tl}
17237     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
17238 }
17239 \mix_appendtofields:n{\mix_pdflastann:}
17240 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
17241 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
17242     \hbox_to_wd:nn{\g_mix_wd_tl}{
17243         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
17244     }
17245 }{%insert play button overlay
17246     \mix_insert_btnocg: %create OCG
17247     \cs_gset_eq:Nc\mix_pbbtn:NN{g@mix@pbbtn@\g_mix_usrpbtn_tl @tl}
17248     \group_begin:
17249     \cs_if_exist:NT\textdir{\textdir TLT}
17250     \sbox\l_mix_pbbtn_box{\mix_pbbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
17251     \box_move_down:nn{\g_mix_dp_tl}{
17252         \hbox_to_wd:nn{\g_mix_wd_tl}{
17253             \vbox_to_ht:nn{\g_mix_tt_tl}{
17254                 \vss
17255                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
17256                 \box_use:N\l_mix_pbbtn_box
17257                 \ocgbase_oc_emc:
17258             }

```



```

17259     }
17260   }
17261   \group_end:
17262 }
17263 \int_gincr:N\g_mix_rmcnt_int
17264 }
17265 \mix_endLTR:
17266 \group_end:
17267 }
17268 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
17269 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
17270
17271 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
17272   \mix_uribegin:
17273   \group_begin:
17274   \mix_beginLTR:
17275   \mode_leave_vertical:
17276   %reset various variables
17277   \tl_gclear:N\g_mix_overbtn_tl
17278   \tl_gclear:N\g_mix_downbtn_tl
17279   \tl_gclear:N\g_mix_btnactions_tl
17280   \tl_gclear:N\g_mix_tooltip_tl
17281   %process options
17282   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
17283   \mix_uribegin: %treat URI characters correctly
17284   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
17285   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
17286   \mix_uribegin:
17287   %normal button appearance
17288   %\hbox_set:Nn\l_mix_poster_box{#2}
17289   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
17290   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
17291   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
17292   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
17293   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
17294     \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
17295       \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
17296     \mix_pdfxform:n{\l_mix_poster_box}
17297     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
17298     %insert widget annotation
17299     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
17300       /Subtype/Widget
17301       /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
17302       \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
17303       /FT/Btn/Ff~65536
17304       \tl_if_empty:NF\g_mix_downbtn_tl{/H/I}{/H/P}
17305       /AP~<<
17306       /N~\g_mix_normalbtn_tl
17307       \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
17308       \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
17309     >>
17310     /MK~<<
17311     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
17312     /I~\g_mix_normalbtn_tl

```



```

17313      \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
17314      \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
17315      >>
17316      /A~<<
17317      /S/JavaScript/JS~(app.focusRect=false;)
17318      %sequence of actions to perform
17319      \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
17320      >>
17321      }
17322      \mix_appendtofields:n{\mix_pdflastann:}
17323      \hbox_to_wd:nn{\width}{
17324      \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
17325      }
17326      \int_gincr:N\g_mix_mbtncnt_int
17327      }
17328      \mix_endLTR:
17329      \group_end:
17330      }
17331      \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
17332      \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
17333

```

116 File memoir-xetex-bidi.def

```

17334 \ProvidesFile{memoir-xetex-bidi.def}[2025/01/03 v0.7 bidi adaptations for memoir class for Xe
17335 \renewcommand{\keepthetitle}{%
17336   \@bsmttitleempty
17337   \global\let\thanks\relax
17338   \global\let\LTRthanks\relax
17339   \global\let\RTLthanks\relax
17340   \global\let\and\relax
17341   \global\let\andnext\relax
17342   \global\let\@thanks\@empty
17343   \global\let\@title\@empty
17344   \global\let\@author\@empty
17345   \global\let\@date\@empty}
17346 \renewcommand{\maketitle}{\par
17347   \beginingroup
17348     \@bsmarkseries
17349     \def\@makefnmark{\@textsuperscript{%
17350       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
17351     \long\def\@makefntext##1{\makethanksmark ##1}
17352     \if@twocolumn
17353       \ifnum \col@number=\@ne
17354         \@maketitle
17355       \else
17356         \twocolumn[\@maketitle]%
17357       \fi
17358     \else
17359       \ifdim\pagetotal>\z@
17360         \newpage
17361       \fi
17362       \global\@topnum\z@
17363       \@maketitle

```



```

17364 \fi
17365 \thispagestyle{title}\@thanks
17366 \endgroup
17367 \@bscontmark % \setcounter{footnote}{0}%
17368 }
17369 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
17370 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
17371 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
17372 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
17373 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
17374 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
17375 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
17376 \renewcommand*{\thesubsection}{%
17377 \thesection\@SepMark\@arabic\c@subsection}
17378 \renewcommand*{\thesubsubsection}{%
17379 \thesubsection\@SepMark\@arabic\c@subsubsection}
17380 \renewcommand*{\theparagraph}{%
17381 \thesubsubsection\@SepMark\@arabic\c@paragraph}
17382 \renewcommand*{\thesubparagraph}{%
17383 \theparagraph\@SepMark\@arabic\c@subparagraph}
17384 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
17385 \renewcommand{\theequation}{%
17386 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
17387 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
17388 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
17389 \ifartopt
17390 \chapterstyle{article}
17391 \counterwithout{figure}{chapter}
17392 \counterwithout{table}{chapter}
17393 \counterwithout{footnote}{chapter}
17394 \counterwithout{equation}{chapter}
17395 \renewcommand{\chaptername}{\@arabic\c@chapter}
17396 \renewcommand{\maketitlehookb}{%
17397 \vskip -1.5\topsep\vskip -1.5\partopsep}
17398 \renewcommand{\maketitlehookc}{%
17399 \vskip -1.5\topsep\vskip -1.5\partopsep}
17400 \fi
17401 \long\def\@makecaption#1#2{\let\@memtempa\relax
17402 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
17403 \else \def\@memtempa{\vbox to\topskip{}}\fi
17404 \let\@contfnote\footnote \renewcommand{\footnote}[2]{}{}
17405 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1]{}{}
17406 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
17407 \let\footnote\@contfnote
17408 \let\footnotemark\@contfmark
17409 \ifdim\wd\@tempboxa<\linewidth \centering \fi
17410 \if@contcw
17411 \centering
17412 \parbox{\@contcwidth}{%
17413 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
17414 \fi
17415 \ifdim\wd\@tempboxa<\linewidth
17416 \@contpre
17417 {\@contnfont #1\@contdelim}\@memtempa

```



```

17418   {\@contcshortstyle \@conttfont #2\@contfinal\par}
17419 \else
17420   \if@conthang
17421     \sbox\@tempboxa{\@contnfont #1\@contdelim}
17422     \@contpre%
17423     {\@contcstyle\hangindent=\wd\@tempboxa
17424     \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
17425   \else
17426     \if@contindent
17427       \@contpre%
17428       {\@contnfont #1\@contdelim}\@memtempa
17429       {\@contcstyle\hangindent=\@contindw
17430       \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
17431     \else
17432       \@contpre%
17433       {\@contnfont #1\@contdelim}\@memtempa
17434       {\@contcstyle \@conttfont #2\@contfinal\par}
17435     \fi
17436   \fi
17437 \fi
17438 \@contpost
17439 \if@contcw
17440   \par
17441 } % end of the \parbox
17442 \fi
17443 \vskip\belowcaptionskip}
17444 \ApplyPatchCodeToPackage{caption}{%
17445 \AtBeginPackage{caption}{
17446 \ClassWarningNoLine{memoir}{%
17447   You are using the caption package with the memoir \MessageBreak
17448   class. This may cause unexpected or inconsistent \MessageBreak
17449   results if you use any of memoir's captioning facilities}
17450
17451 \long\def\@makecaption##1##2{%
17452   \vskip\abovecaptionskip
17453   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
17454   \ifdim \wd\@tempboxa >\hsize
17455     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
17456   \else
17457     \global \@minipagefalse
17458     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
17459   \fi
17460   \vskip\belowcaptionskip}
17461
17462 \def\caption{%
17463   \ifx\@cptype\@undefined
17464     \@latex@error{\noexpand\caption outside float}\@ehd
17465     \expandafter\@gobble
17466   \else
17467     \refstepcounter\@cptype
17468     \expandafter\@firstofone
17469   \fi
17470   {\@dblarg{\@caption\@cptype}}%
17471 }

```



```

17472
17473 \long\def\@caption##1[##2]##3{%
17474   \par
17475   \addcontentsline{\csname ext@##1\endcsname}{##1}%
17476     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
17477   \begingroup
17478     \@parboxrestore
17479     \if@minipage
17480       \setminipage
17481     \fi
17482     \normalsize
17483     \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
17484   \endgroup}
17485 }}
17486 \renewenvironment{thebibliography}[1]{%
17487   \bibsection
17488   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17489   \bidi@thebibliography@font@hook%
17490   \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

117 File midfloat-xetex-bidi.def

```

17491 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
17492 \def\RTL@outputdblcol{%
17493   \if@firstcolumn
17494     \global \@firstcolumnfalse
17495     \global\setbox\@leftcolumn\copy\@outputbox
17496     \splitmaxdepth\maxdimen
17497     \vbadness\maxdimen
17498     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
17499     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
17500     \toks@{\expandafter{\topmark}}%
17501     \xdef\@firstcoltopmark{\the\toks@}%
17502     \toks@{\expandafter{\splitfirstmark}}%
17503     \xdef\@firstcolfirstmark{\the\toks@}%
17504     \ifx\@firstcolfirstmark\@empty
17505       \global\let\@setmarks\relax
17506     \else
17507       \gdef\@setmarks{%
17508         \let\firstmark\@firstcolfirstmark
17509         \let\topmark\@firstcoltopmark}%
17510     \fi
17511     \global\c@colht\@colht\global\c@advvipersep\z@
17512     \ifnum\jua@sk>0
17513       \remove@strip\jua@sar
17514       \global\@colht\the\jua@pr
17515       \ifdim\right@cor>\z@
17516         \global\advance\@colht by\right@cor
17517       \fi
17518       \global\advance\@colht by\cor@height
17519       \global\cor@height=0pt
17520     \fi
17521     \global \setbox\@rightcolumn \vbox{}%
17522   \else

```




```

17523 \ifdim\c@colht>\@colht
17524 \@tempdima\@colht
17525 \ifdim\@colht>\z@
17526 \global\setbox\@rightcolumn \vbox{%
17527 \unvbox\@rightcolumn
17528 \vbox to\@tempdima{%
17529 \vskip\c@addvipersep\unvbox\@outputbox}%
17530 \vskip\stripsep
17531 \vrule height\the\juo@ht width Opt depth Opt
17532 \vskip\stripsep
17533 }%
17534 \global\c@addvipersep\m@addvipersep
17535 \else
17536 \global\setbox\@rightcolumn \vbox{%
17537 \unvbox\@rightcolumn
17538 \vrule height\the\juo@ht width Opt depth Opt
17539 \vskip\stripsep
17540 }%
17541 \fi
17542 \ifnum\juo@sk>0
17543 \remove@strip\juo@sar
17544 \global\@colht\the\juo@pr
17545 \global\advance\@colht by -\ht\@rightcolumn
17546 \global\advance\@colht by\cor@height
17547 \global\cor@height=0pt
17548 \else
17549 \global\advance\c@colht by-\ht\@rightcolumn
17550 \global\@colht\c@colht
17551 \fi
17552 \else
17553 \global\@firstcolumntrue
17554 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
17555 \unvbox\@rightcolumn
17556 \vskip\c@addvipersep
17557 \unvbox\@outputbox
17558 }%
17559 \setbox\@outputbox \vbox {%
17560 \hb@xt@\textwidth {%
17561 \hskip \columnwidth
17562 \hfil
17563 \vrule \@width\columnseprule
17564 \hfil
17565 \hb@xt@\columnwidth {%
17566 \bidi@firstcolumn@status@write%
17567 \box\@leftcolumn \hss}%
17568 \hskip-\textwidth
17569 \hb@xt@\columnwidth {%
17570 \bidi@lastcolumn@status@write%
17571 \box\@outputbox \hss}%
17572 \hskip\columnwidth
17573 \hskip\columnsep}%
17574 }%
17575 \@combinedblfloats
17576 \@setmarks

```



```

17577 \@@outputpage
17578 \begingroup
17579 \@@dblfloatplacement
17580 \@@startdblcolumn
17581 \@@whilesw\if@fcolmade \fi
17582 {\@@outputpage
17583 \@@startdblcolumn}%
17584 \endgroup
17585 \global\jua@sk=0\global\jua@sar={}
17586 \global\cor@height\z@\global\c@addvipersep\z@
17587 \fi
17588 \fi
17589 }
17590
17591
17592 \def\LTR@outputdblcol{%
17593 \if@firstcolumn
17594 \global \@@firstcolumnfalse
17595 \global\setbox\@leftcolumn\copy\@outputbox
17596 \splitmaxdepth\maxdimen
17597 \vbadness\maxdimen
17598 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
17599 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
17600 \toks@{\expandafter{\topmark}}%
17601 \xdef\@firstcoltopmark{\the\toks@}%
17602 \toks@\expandafter{\splitfirstmark}%
17603 \xdef\@firstcolfirstmark{\the\toks@}%
17604 \ifx\@firstcolfirstmark\empty
17605 \global\let\@setmarks\relax
17606 \else
17607 \gdef\@setmarks{%
17608 \let\firstmark\@firstcolfirstmark
17609 \let\topmark\@firstcoltopmark}%
17610 \fi
17611 \global\c@colht\@colht\global\c@addvipersep\z@
17612 \ifnum\jua@sk>0
17613 \remove@strip\jua@sar
17614 \global\@colht\the\jua@pr
17615 \ifdim\right@cor>\z@
17616 \global\advance\@colht by\right@cor
17617 \fi
17618 \global\advance\@colht by\cor@height
17619 \global\cor@height=0pt
17620 \fi
17621 \global \setbox\@rightcolumn \vbox{}%
17622 \else
17623 \ifdim\c@colht>\@colht
17624 \@tempdima\@colht
17625 \ifdim\@colht>\z@
17626 \global\setbox\@rightcolumn \vbox{%
17627 \unvbox\@rightcolumn
17628 \vbox to\@tempdima{%
17629 \vskip\c@addvipersep\unvbox\@outputbox}%
17630 \vskip\stripsep

```



```

17631             \vrule height\the\jua@ht width Opt depth Opt
17632             \vskip\stripsep
17633             }%
17634         \global\c@addvipersep\m@addvipersep
17635     \else
17636     \global\setbox\@rightcolumn \vbox{%
17637         \unvbox\@rightcolumn
17638         \vrule height\the\jua@ht width Opt depth Opt
17639         \vskip\stripsep
17640     }%
17641 \fi
17642 \ifnum\jua@sk>0
17643     \remove@strip\jua@sar
17644     \global\@colht\the\jua@pr
17645     \global\advance\@colht by -\ht\@rightcolumn
17646     \global\advance\@colht by\cor@height
17647     \global\cor@height=0pt
17648 \else
17649     \global\advance\c@colht by-\ht\@rightcolumn
17650     \global\@colht\c@colht
17651 \fi
17652 \else
17653     \global\@firstcolumntrue
17654     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
17655         \unvbox\@rightcolumn
17656         \vskip\c@addvipersep
17657         \unvbox\@outputbox
17658     }%
17659     \setbox\@outputbox \vbox {%
17660         \hb@xt@\textwidth {%
17661             \hb@xt@\columnwidth {%
17662                 \bidi@firstcolumn@status@write%
17663                 \box\@leftcolumn \hss}%
17664             \hfil
17665             \vrule \@width\columnseprule
17666             \hfil
17667             \hb@xt@\columnwidth {%
17668                 \bidi@lastcolumn@status@write%
17669                 \box\@outputbox \hss}%
17670             }%
17671         }%
17672 \endgroup
17673 \setmarks
17674 \outputpage
17675 \begingroup
17676     \dblfloatplacement
17677     \startdblcolumn
17678     \@whilesw\if@fcolmade \fi
17679         {\outputpage
17680         \startdblcolumn}%
17681 \endgroup
17682 \global\jua@sk=0\global\jua@sar={}
17683 \global\cor@height\z@\global\c@addvipersep\z@
17684 \fi

```



```

17685 \fi
17686 }
17687
17688
17689 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
17690 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
17691 \hsize\textwidth
17692 \@parboxrestore
17693 \col@number \@ne
17694 \vrule height\topskip width0pt depth0pt
17695 }
17696
17697 \def\endstrip{%
17698 \egroup\egroup
17699 \if@firstcolumn
17700 \ifdim\pagetotal>\z@
17701 \vskip\stripsep
17702 \global\ht@strip\pagegoal
17703 \global\advance\ht@strip by-\pagetotal
17704 \global\advance\ht@strip by-\stripsep
17705 \global\advance\ht@strip by-\ht\@viper
17706 \global\advance\ht@strip by-\stripsep
17707 \global\jua@ht=\ht\@viper
17708 \else
17709 \global\ht@strip\z@
17710 \fi
17711 \ifdim\ht@strip>\z@
17712 \unvbox\@viper
17713 \vskip\stripsep
17714 \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
17715 \global\advance\jua@sk by1
17716 \else
17717 \@latex@error{Strip needs more place!}\@ehc
17718 \if@vihproof
17719 \framebox[\columnwidth]{??? Strip ???}%
17720 \fi
17721 \fi
17722 \else
17723 \@latex@error{Strip is used only on left column!}\@ehc
17724 \if@vihproof
17725 \framebox[\columnwidth]{??? Strip ???}%
17726 \fi
17727 \fi
17728 }

```

118 File minitoc-xetex-bidi.def

```

17729 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
17730 \def\@undottedtocline#1#2#3#4#5{%
17731 \ifnum #1>\c@tocdepth\relax \else
17732 \vskip \z@ plus.2\p@
17733 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17734 \parindent #2\relax\@afterindenttrue
17735 \interlinepenalty\@M

```



```

17736 \leavevmode
17737 \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
17738 \hskip -\if@RTL\rightskip\else\leftskip\fi
17739 #4\nobreak\hfill \nobreak
17740 \null\par}%
17741 \fi}
17742 \def\@Undottedtocline#1#2#3#4#5{%
17743 \ifnum #1>\c@tocdepth\relax \else
17744 \vskip \z@ \@plus.2\p@
17745 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocma
17746 \parindent #2\relax\@afterindenttrue
17747 \interlinepenalty\@M
17748 \leavevmode
17749 \@tempdima #3\relax
17750 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
17751 {\coffeesfont #4}\nobreak \nobreak\null
17752 \par}%
17753 \fi}
17754 \def\@Undottedtoclinep#1#2#3#4#5{%
17755 \ifnum #1>\c@tocdepth\relax \else
17756 \vskip \z@ \@plus.2\p@
17757 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocma
17758 \parindent #2\relax\@afterindenttrue
17759 \interlinepenalty\@M
17760 \leavevmode
17761 \@tempdima #3\relax
17762 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
17763 {#4}\nobreak \hfill \nobreak\null
17764 \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}}%
17765 \par}%
17766 \fi}

```

119 File multicol-xetex-bidi.def

```

17767 \ProvidesFile{multicol-xetex-bidi.def}[2022/07/10 v1.4 bidi adaptations for multicol package]
17768 \def\page@sofar{%
17769 \process@cols@mult@rightbox
17770 {\ifvoid\count@
17771 \setbox\count@\hbox to\hsize{}%
17772 \else
17773 \wd\count@\hsize
17774 \fi}%
17775 \count@\col@number \advance\count@\m@ne
17776 \mult@info\z@
17777 {Column spec: \the\full@width\space = indent
17778 + columns + sep =\MessageBreak
17779 \the\multicol@leftmargin\space
17780 + \the\col@number\space
17781 x \the\hsize\space
17782 + \the\count@\space
17783 x \the\columnsep
17784 }%
17785 \ifvmode\else\errmessage{Multicol Error}\fi
17786 \nointerlineskip

```



```

17787 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
17788 \moveright\multicol@leftmargin
17789 \hbox to\full@width{%
17790     \bidi@multicol@align@columns
17791     \rlap{\phantom p}%
17792 }%
17793 \prevdepth\z@
17794 \kern-\dimen\tw@
17795 \ifdim\dimen\tw@ > \mc@gridwarn
17796     \PackageWarning{multicol}%
17797         {Very deep columns!\MessageBreak
17798         Grid alignment might be broken}%
17799 \fi
17800 }
17801 \def\LTR@column@boxes{%
17802     \process@cols\mult@firstbox{%
17803         \ifdim\dp\count@>\dimen\tw@
17804             \global\dimen\tw@\dp\count@ \fi
17805         \mc@col@status@write
17806         \box\count@
17807         \hss{\columnseprulecolor\vrule
17808             \@width\columnseprule}\hss}%
17809     \ifdim\dp\mult@rightbox>\dimen\tw@
17810         \global\dimen\tw@\dp\mult@rightbox \fi
17811     \mc@lastcol@status@write
17812     \box\mult@rightbox
17813 }
17814
17815 \def\RTL@column@boxes{%
17816     \process@cols\mult@firstbox{%
17817         \hskip\hsize
17818         \hss{\columnseprulecolor\vrule
17819             \@width\columnseprule}\hss
17820     }%
17821     \hskip\hsize
17822     \process@cols\mult@firstbox{%
17823         \ifdim\dp\count@>\dimen\tw@
17824             \global\dimen\tw@\dp\count@ \fi
17825         \hskip-\hsize
17826         \mc@col@status@write
17827         \box\count@
17828         \hskip-\hsize
17829         \hskip-\columnsep
17830     }%
17831     \ifdim\dp\mult@rightbox>\dimen\tw@
17832         \global\dimen\tw@\dp\mult@rightbox \fi
17833     \hskip-\hsize
17834     \mc@lastcol@status@write
17835     \box\mult@rightbox
17836     \hskip-\hsize
17837     \hskip\full@width
17838 }
17839
17840 \newcommand\RTLmulticolcolumns

```



```

17841     {\let\bidimulticol@align@columns
17842       \RTL@column@boxes}
17843 \newcommand\LTRmulticol@columns
17844     {\let\bidimulticol@align@columns
17845       \LTR@column@boxes}
17846 \newcommand\bidimulticol@align@columns
17847     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
17848 \bidimulticol@AtEndPreamble{%
17849   \if@bidi@csdef{footinsv@l}{%
17850     \def\footnoterule{\kern-3\p@
17851       \hrule \@width \textwidth \kern 2.6\p@}%
17852   }{}%
17853 }
17854 \def\multicols#1{\col@number#1\relax
17855   \ifnum\col@number<\tw@
17856     \PackageWarning{multicol}%
17857       {Using '\number\col@number'
17858         columns doesn't seem a good idea.^~J
17859         I therefore use two columns instead}%
17860     \col@number\tw@ \fi
17861   \ifnum\col@number>20
17862     \PackageError{multicol}%
17863       {Too many columns}%
17864     {Current implementation doesn't
17865       support more than 20 columns.%
17866       \MessageBreak
17867       I therefore use 20 columns instead}%
17868     \col@number20 \fi
17869   \ifx\@footnotetext\mult@footnotetext
17870   \else
17871     \let\orig@footnotetext\@footnotetext
17872     \let\@footnotetext\mult@footnotetext
17873   \fi
17874   \ifx\@LTRfootnotetext\mult@LTRfootnotetext
17875   \else
17876     \let\orig@LTRfootnotetext\@LTRfootnotetext
17877     \let\@LTRfootnotetext\mult@LTRfootnotetext
17878   \fi
17879   \ifx\@RTLfootnotetext\mult@RTLfootnotetext
17880   \else
17881     \let\orig@RTLfootnotetext\@RTLfootnotetext
17882     \let\@RTLfootnotetext\mult@RTLfootnotetext
17883   \fi
17884   \@ifnextchar[\mult@cols{\mult@cols[]}]
17885 \long\def\mult@footnotetext#1{\begingroup
17886   \hsize\textwidth
17887   \columnwidth\textwidth
17888   \orig@footnotetext{#1}\endgroup}
17889 \long\def\mult@LTRfootnotetext#1{\begingroup
17890   \hsize\textwidth
17891   \columnwidth\textwidth
17892   \orig@LTRfootnotetext{#1}\endgroup}
17893 \long\def\mult@RTLfootnotetext#1{\begingroup
17894   \hsize\textwidth

```



```

17895         \columnwidth\textwidth
17896         \orig@RTLfootnotetext{#1}\endgroup}
17897 \def\right@footnoterule{%
17898   \kern-3\p@
17899   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
17900   \kern2.6\p@}
17901 \def\textwidth@footnoterule{\kern-3\p@
17902   \hrule \@width \textwidth \kern 2.6\p@}
17903 \def\bidileave@mult@copyins{%
17904   \advance\dimen@-\skip\@bidi@copyins@
17905   \advance\dimen@-\ht\@bidi@copyins@
17906 }
17907
17908 \bidi@AtEndPreamble{%
17909   \if@bidi@csundef{footinsv@1}{%
17910     \bidi@patchcmd{\multi@column@out}{%
17911       \ifvbox \@kludgeins
17912     }{%
17913       \ifvoid\@bidi@copyins@ \else
17914         \bidileave@mult@copyins
17915       \fi
17916       \ifvbox \@kludgeins
17917     }{}{}%
17918   }{}%
17919 }
17920
17921

```

120 File multienum-xetex-bidi.def

```

17922 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
17923 \renewcommand{\itemx}[1]{\parbox[t]%
17924   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17925   \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
17926 \renewcommand{\itemxx}[2]{\parbox[t]%
17927   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17928   \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
17929   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17930   \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
17931 \renewcommand{\itemxxx}[3]{\parbox[t]%
17932   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17933   \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
17934   {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
17935   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
17936   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17937   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
17938 \renewcommand{\itemxxxx}[4]{\parbox[t]%
17939   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17940   \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
17941   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17942   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
17943   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17944   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
17945   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep%

```




```

17946 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
17947 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
17948 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17949 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
17950 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17951 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
17952 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17953 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
17954 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17955 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
17956 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17957 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
17958 \renewcommand{\itemxox}[2]{\parbox[t]{%
17959 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17960 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
17961 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17962 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
17963 \renewcommand{\itemxox}[2]{\parbox[t]{%
17964 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17965 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
17966 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17967 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
17968 \renewcommand{\itemxox}[3]{\parbox[t]{%
17969 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17970 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
17971 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17972 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
17973 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17974 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
17975 \renewcommand{\itemxox}[3]{\parbox[t]{%
17976 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17977 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
17978 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17979 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
17980 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17981 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
17982 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
17983 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17984 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
17985 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17986 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
17987 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17988 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

121 File natbib-xetex-bidi.def

```

17989 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
17990 \renewenvironment{thebibliography}[1]{%
17991 \bibsection
17992 \parindent\z@
17993 \bibpreamble
17994 \bibfont
17995 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
17996 \bidi@thebibliography@font@hook%

```



```

17997 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
17998 \ifNAT@openbib
17999 \renewcommand\newblock{\par}%
18000 \else
18001 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
18002 \fi
18003 \sloppy\clubpenalty4000\widowpenalty4000
18004 \sfcode\.\@m
18005 \let\NAT@bibitem@first@sw\@firstoftwo
18006 \let\citeN\cite \let\shortcite\cite
18007 \let\citeasnoun\cite
18008 }{%
18009 \bibitem@fin
18010 \bibpostamble
18011 \def\@noitemerr{%
18012 \PackageWarning{natbib}{Empty `thebibliography' environment}%
18013 }%
18014 \endlist
18015 \bibcleanup
18016 }%

```

122 File newfloat-xetex-bidi.def

```

18017 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
18018 \renewcommand*\newfloat@setwithin[2]{%
18019 \ifcsname c@chapter\endcsname
18020 \@removefromreset{#1}{chapter}%
18021 \fi
18022 \@removefromreset{#1}{section}%
18023 \edef\@tempa{#2}%
18024 \ifx\@tempa\@empty
18025 \def\@tempa{none}%
18026 \fi
18027 \def\@tempb{none}%
18028 \ifx\@tempa\@tempb
18029 \ifcsname c@chapter\endcsname
18030 \@chapterlistsgap@off{#1}%
18031 \fi
18032 \newfloat@@setwithin{#1}{\@tempa}%
18033 \else
18034 \def\@tempb{chapter}%
18035 \ifx\@tempa\@tempb
18036 \@addtoreset{#1}{chapter}%
18037 \@chapterlistsgap@on{#1}%
18038 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
18039 \else
18040 \def\@tempb{section}%
18041 \ifx\@tempa\@tempb
18042 \@addtoreset{#1}{section}%
18043 \ifcsname c@chapter\endcsname
18044 \@addtoreset{#1}{chapter}%
18045 \@chapterlistsgap@on{#1}%
18046 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
18047 \else

```



```

18048         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection}
18049         \fi
18050     \else
18051         \newfloat@Error{Invalid value `#2' for option `within'}%
18052     \fi
18053 \fi
18054 \fi}

```

123 File nicematrix-xetex-bidi.def

```

18055 \ProvidesFile{nicematrix-xetex-bidi.def}[2024/12/15 v0.3 bidi adaptations for nicematrix package]
18056 \ExplSyntaxOn
18057 \bidi@patchcmd{\__nicematrix_array:n}{\@tabarray}{%
18058   \bool_if:NF \l__nicematrix_tabular_bool \@RTLtabfalse
18059   \@tabarray
18060 }{}{}
18061 \ExplSyntaxOff
18062

```

124 File ntheorem-xetex-bidi.def

```

18063 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
18064 \gdef\@thm#1#2#3{%
18065   \if@thmmarks
18066     \stepcounter{end\InTheoType ctr}%
18067   \fi
18068   \renewcommand{\InTheoType}{#1}%
18069   \if@thmmarks
18070     \stepcounter{curr#1ctr}%
18071     \setcounter{end#1ctr}{0}%
18072   \fi
18073   \refstepcounter{#2}%
18074   \theorem@prework
18075   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
18076   \ifvmode \advance\thm@topsepadd\partopsep\fi
18077   \trivlist
18078   \@topsep \theorempreskipamount
18079   \@topsepadd \thm@topsepadd % used by \@endparenv
18080   \advance\linewidth -\theorem@indent
18081   \advance\@totalleftmargin \theorem@indent
18082   \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
18083   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

125 File ntheorem-hyper-xetex-bidi.def

```

18084 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper package]
18085 \gdef\@thm#1#2#3{%
18086   \if@thmmarks
18087     \stepcounter{end\InTheoType ctr}%
18088   \fi
18089   \renewcommand{\InTheoType}{#1}%
18090   \if@thmmarks
18091     \stepcounter{curr#1ctr}%
18092     \setcounter{end#1ctr}{0}%

```



```

18093 \fi
18094 \refstepcounter{#2}%
18095 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
18096 \ifvmode \advance\thm@topsepadd\partopsep\fi
18097 \trivlist
18098 \@topsep \theorempreskipamount
18099 \@topsepadd \thm@topsepadd % used by \@endparenv
18100 \advance\linewidth -\theorem@indent
18101 \advance\@totalleftmargin \theorem@indent
18102 \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
18103 \ifnextchar [{\@ythem{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

126 File overpic-xetex-bidi.def

```

18104 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
18105 \renewenvironment{overpic}[2][\%
18106 \sbox{\z@}{\includegraphics[#1]{#2}}%
18107 \settodepth{\@tempcnta}{\usebox{\z@}}%
18108 \settoheight{\@tempcntb}{\usebox{\z@}}%
18109 \advance\@tempcntb\@tempcnta%
18110 \settowidth{\@tempcnta}{\usebox{\z@}}%
18111 \setlength{\@tempdima}{\unitlength}%
18112 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
18113 %
18114 \OVP@calc%
18115 %
18116 \begin{picture}(\@tempcnta,\@tempcntb)%
18117 \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
18118 \ifGin@grid%
18119 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
18120 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
18121 \fi\fi%
18122 % reset the graphics parameter
18123 \let\Gin@outer@scalex\relax
18124 \let\Gin@outer@scaley\relax
18125 \let\Gin@angle\relax
18126 \let\Gin@ewidth\Gin@exclamation
18127 \let\Gin@eheight\Gin@ewidth
18128 \def\Gin@scalex{1}
18129 \let\Gin@scaley\Gin@exclamation
18130 }{\%
18131 \ifRTL\ifGin@grid%
18132 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
18133 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
18134 \fi%
18135 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
18136 \end{picture}%
18137 }%

```

127 File pdfbase-xetex-bidi.def

```

18138 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
18139 \ExplSyntaxOn
18140 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage

```



```

18141 \cs_set_nopar:Npn\@outputpage{
18142   \int_gincr:N\g_pbs_page_int
18143   \box_if_vertical:cTF{@outputbox}{
18144     \bool_set_true:N\l_pbs_is_vertical_bool
18145   }{
18146     \bool_set_false:N\l_pbs_is_vertical_bool
18147   }
18148   \hbox_set:Nn\@outputbox{
18149     %begin of page
18150     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
18151     \box_use_drop:N\@outputbox
18152     %end of page
18153     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
18154   }
18155   \bool_if:NT\l_pbs_is_vertical_bool{
18156     \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
18157   }
18158   \pbs_outputpage_orig:
18159 }
18160 \ExplSyntaxOff

```

128 File pdfscape-xetex-bidi.def

```

18161 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa
18162 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
18163   \if@RTL
18164     \PLS@Rotate{-90}%
18165   \else
18166     \PLS@Rotate{90}%
18167   \fi
18168 }{}{}

```

129 File pgfcorescopes.code-xetex-bidi.def

```

18169 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
18170 \def\pgfpicture{%
18171   \begingroup%
18172   \ifmode\else\@RTLfalse\beginL\fi%
18173   \pgfpicturetrue%
18174   \global\advance\pgf@picture@serial@count by1\relax%
18175   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
18176   \let\pgf@nodecallback=\pgfutil@gobble%
18177   \pgf@picmaxx=-16000pt\relax%
18178   \pgf@picminx=16000pt\relax%
18179   \pgf@picmaxy=-16000pt\relax%
18180   \pgf@picminy=16000pt\relax%
18181   \pgf@relevantforpicturesizetrue%
18182   \pgf@resetpathsizes%
18183   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
18184 \def\endpgfpicture{%
18185   \ifpgfrememberpicturepositiononpage%
18186     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
18187   \fi%
18188   % ok, now let's position the box

```



```

18189         \ifdim\pgf@picmaxx=-16000pt\relax%
18190             % empty picture. make size 0.
18191             \global\pgf@picmaxx=0pt\relax%
18192             \global\pgf@picminx=0pt\relax%
18193             \global\pgf@picmaxy=0pt\relax%
18194             \global\pgf@picminy=0pt\relax%
18195         \fi%
18196         % Shift baseline outside:
18197         \pgf@relevantforpicturesizefalse%
18198         \pgf@process{\pgf@baseline}%
18199         \xdef\pgf@shift@baseline{\the\pgf@y}%
18200         %
18201         \pgf@process{\pgf@trimleft}%
18202         \global\advance\pgf@x by-\pgf@picminx
18203         % prepare \hskip\pgf@trimleft@final.
18204         % note that \pgf@trimleft@final is also queried
18205         % by the pgf image externalization.
18206         \xdef\pgf@trimleft@final{-\the\pgf@x}%
18207         %
18208         \pgf@process{\pgf@trimright}%
18209         \global\advance\pgf@x by-\pgf@picmaxx
18210         % prepare \hskip\pgf@trimright@final.
18211         % note that \pgf@trimright@final is also queried
18212         % by the pgf image externalization.
18213         \xdef\pgf@trimright@final{\the\pgf@x}%
18214         %
18215         \pgf@remember@layerlist@globally
18216         \endgroup%
18217         \hss%
18218         \egroup%
18219         \pgf@restore@layerlist@from@global
18220         \pgf@insertlayers%
18221         \endgroup%
18222         \pgfsys@discardpath%
18223         \endgroup%
18224         \pgfsys@endscope%
18225         \pgfsys@endpicture%
18226         \endgroup%
18227         \hss
18228     \egroup%
18229     \pgfsys@typesetpicturebox\pgfpic%
18230     \ifmmode\else\endL\fi%
18231     \endgroup%
18232 }

```

130 File pgfsys-xetex-bidi.def

```

18233 \ProvidesFile{pgfsys-xetex-bidi.def}[2025/01/05 v0.1 bidi adaptations for pgfsys package for
18234 \def\pgfsys@shadingoutsidepgfpicture#1{%
18235     \beginL#1\endL%
18236 }
18237
18238

```



131 File picinpar-xetex-bidi.def

```

18239 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
18240 \long\def\@makewincaption#1#2{%
18241   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
18242   \ifdim\wd\@tempboxa>\picwd
18243     {\footnotesize{\bf #1:\enspace}{#2\par}}
18244   \else
18245     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
18246   \fi}
18247 \def\endwindow{%
18248   \global\tcd=\tcdsav
18249   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
18250   \vbadness=10000
18251   \splittopskip=0pt
18252 %
18253 % Typeset the lines above the window
18254 %
18255 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
18256 \tcn=\tcd
18257 \loop\advance\tcn -1
18258 \setbox\fslice=\vsplit\holder to\baselineskip
18259 \prune\fslice\linewidth
18260 \topheight=0pt
18261 \ifnum\dp\fslice>\dp\wstrutbox
18262   \advance\topheight-\dp\fslice
18263   \advance\topheight\dp\wstrutbox
18264   \advance\topheight\ilg\fi
18265 \hbox to\linewidth{\box\fslice}
18266 \vskip-\topheight
18267 \ifdim\ht\holder>0pt\repeat
18268 \fi
18269 %
18270 % Now we build the boxes beside the window
18271 %
18272 \global\topheight=\tcl\baselineskip
18273 \ifnum\cumpartcl>0\global\tcl=\cumtcl
18274   \global\topheight=\vpic
18275 \fi
18276 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
18277 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
18278 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
18279 \tcn=\tcl \na=0 \nb=0
18280 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
18281 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
18282 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
18283 \ifnum\na=0\ifnum\nb=0
18284   \setbox\waslice=\vbox to\vpic{\vss}
18285   \setbox\wbslice=\vbox to\vpic{\vss}
18286   \bl=1\br=1
18287   \vskip\ilg
18288 \fi\fi
18289 %
18290 % both sides

```



```

18291 %
18292 \ifnum\na>0 \ifnum\nb>0
18293 \loop\advance\nb -1
18294 \advance\na -1
18295 \if@RTL%
18296 \setbox\bslice=\vsplit\holder to\baselineskip
18297 \prune\bslice\rtside
18298 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
18299 to\rtside{\box\bslice\hfil}}
18300 \setbox\aslice=\vsplit\holder to\baselineskip
18301 \prune\aslice\lftside
18302 \setbox\waslice=\vbox{\unvbox\waslice\hbox
18303 to\lftside{\box\aslice\hfil}}
18304 \else%
18305 \setbox\aslice=\vsplit\holder to\baselineskip
18306 \prune\aslice\lftside
18307 \setbox\waslice=\vbox{\unvbox\waslice\hbox
18308 to\lftside{\box\aslice\hfil}}
18309 \setbox\bslice=\vsplit\holder to\baselineskip
18310 \prune\bslice\rtside
18311 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
18312 to\rtside{\box\bslice\hfil}}
18313 \fi%
18314 \ifnum\nb>0\repeat
18315 \fi\fi
18316 %
18317 % only text on the left side
18318 %
18319 \ifnum\na>0
18320 \loop\advance\na -1
18321 \setbox\aslice=\vsplit\holder to\baselineskip
18322 \prune\aslice\lftside
18323 \setbox\waslice=\vbox{\unvbox\waslice\hbox
18324 to\lftside{\box\aslice\hfil}}
18325 \ifdim\ht\holder>0pt\repeat
18326 \fi
18327 %
18328 % only text on the right side
18329 %
18330 \ifnum\nb>0
18331 \loop\advance\nb -1
18332 \setbox\bslice=\vsplit\holder to\baselineskip
18333 \prune\bslice\rtside
18334 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
18335 to\rtside{\box\bslice\hfil}}
18336 \ifdim\ht\holder>0pt\repeat
18337 \fi
18338 %
18339 % fixing the dimensions of the window part
18340 %
18341 \ifnum\bl=0\topheight=\ht\wbslice
18342 \else\ifnum\br=0\topheight=\ht\waslice
18343 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
18344 \else\topheight=\ht\wbslice\fi\fi\fi

```




```

18345 %
18346 % ship out the window material to the main vertical list
18347 %
18348 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
18349 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
18350 \fi\fi\fi
18351 \setbox>windowbox=\vbox{\hbox to\linewidth{%
18352 \ifnum\bl>0\box\waslice\hfill\fi%
18353 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
18354 \vfill\unvbox\picbox%
18355 \ifnum\picwd>0\vfill\fi%
18356 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
18357 \unvbox>windowbox%
18358 \loop
18359 \setbox\bslice=\vsplit\rawtext to\baselineskip
18360 \prune\bslice\linewidth
18361 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
18362 \unvbox\wbslice
18363 \ifdim\ht\rawtext>0pt
18364 \repeat
18365 }% FINITO

```

132 File plain-xetex-bidi.def

```

18366 \def\TeXeTOn{\TeXeTstate=1 }
18367 \def\TeXeTOff{\TeXeTstate=0 }
18368 \TeXeTOn
18369 \def\usebox#1{\leavevmode\copy #1\relax}
18370 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
18371 \let\bidi@o@everypar=\everypar
18372 \newtoks\bidi@n@everypar
18373 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
18374 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
18375 \let\everypar=\bidi@n@everypar
18376 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
18377 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
18378 \protected\def\hboxR{\hbox\bgroup
18379 \everyhbox{%
18380 \aftergroup\egroup
18381 \everyhbox{}}%
18382 \beginR
18383 \@hboxRconstructtrue
18384 \bgroup
18385 \aftergroup\endR
18386 \aftergroup\egroup
18387 }\hbox}
18388 \protected\def\hboxL{\hbox\bgroup
18389 \everyhbox{%
18390 \aftergroup\egroup
18391 \everyhbox{}}%
18392 \beginL
18393 \@hboxRconstructfalse
18394 \bgroup
18395 \aftergroup\endL

```



```

18396 \aftergroup\egroup
18397 }\hbox}
18398 \protected\def\vboxR{\vbox\bgroup
18399 \everyvbox{%
18400 \aftergroup\egroup
18401 \everyvbox{}}%
18402 \@RTLtrue
18403 \bgroup
18404 \aftergroup\egroup
18405 }\vbox}
18406 \protected\def\vboxL{\vbox\bgroup
18407 \everyvbox{%
18408 \aftergroup\egroup
18409 \everyvbox{}}%
18410 \@RTLfalse
18411 \bgroup
18412 \aftergroup\egroup
18413 }\vbox}
18414 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
18415 \def\endLTR{\par}
18416 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
18417 \def\endRTL{\par}
18418 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
18419 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
18420 \let\unsetRTL=\setLTR
18421 \let\unsetLTR=\setRTL
18422 \let\LR=\LRE
18423 \let\RL=\RLE
18424 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
18425 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
18426 \let\@ensure@RL=\@ensure@RTL
18427 \let\@ensure@LR=\@ensure@LTR
18428 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
18429 \let\@ensure@maindir=\@ensure@dir
18430 \def\@RTL{RTL}
18431 \def\@LTR{LTR}
18432 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
18433 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
18434 \let\@TeX\TeX
18435 \def\TeX{\@ensure@LTR{\@TeX}}
18436 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
18437 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
18438 \ifvoid\footins\else % footnote info is present
18439 \vskip\skip\footins
18440 \footnoterule
18441 \unvbox\footins\fi
18442 \ifrggedbottom \kern-\dimen@ \vfil \fi
18443 \ifvoid\@bidi@copyins@
18444 \else
18445 \vskip\skip\@bidi@copyins@
18446 \unvbox\@bidi@copyins@
18447 \fi
18448 }
18449 \long\def\bidi@reflect@box#1{%

```



```

18450 \leavevmode
18451 \setbox\z@\hbox{{#1}}%
18452 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
18453 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
18454 }
18455 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18456 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
18457 \let\setRL=\setRTL
18458 \let\setLR=\setLTR
18459 \let\unsetRL=\setLTR
18460 \let\bidisaved@eqno=\eqno
18461 \let\bidisaved@leqno=\leqno
18462 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
18463 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
18464 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
18465 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
18466 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

133 File pstricks-xetex-bidi.def

```

18467 \ProvidesFile{pstricks-xetex-bidi.def}[2025/01/08 v0.7 bidi adaptations for pstricks package]
18468 \bidi@patchcmd\pspicture\beginRgroup{%
18469 \beginRgroup
18470 \ifmmode
18471 \else
18472 \@RTLfalse
18473 \beginL
18474 \fi
18475 }{}{\bidi@warningnoline{0ops! patching `string\pspicture' failed}}
18476
18477 \bidi@patchcmd\endpspicture{%
18478 \endRgroup
18479 \psset[pstricks]{shift=0}% reset value
18480 }{%
18481 \ifmmode
18482 \else
18483 \endL
18484 \fi
18485 \endRgroup
18486 \psset[pstricks]{shift=0}% reset value
18487 }{}{\bidi@warningnoline{0ops! patching `string\endpspicture' failed}}
18488
18489 \bidi@patchcmd\@scalebox{%
18490 \special{x: bscale \pst@tempc \pst@tempd}%
18491 \hbox to \z@{\box\pst@hbox\hss}%
18492 \special{x: escale}%
18493 }{%
18494 \if@RTL
18495 \special{x: escale}%
18496 \else
18497 \special{x: bscale \pst@tempc \pst@tempd}%
18498 \fi
18499 \hbox to \z@{\box\pst@hbox\hss}%
18500 \if@RTL

```



```

18501 \special{x: bscale \pst@tempc \pst@tempd}%
18502 \else
18503 \special{x: escale}%
18504 \fi
18505 }{}{\bidi@warningnoline{Oops! patching `string\@scalebox' failed}}
18506 \let\ps@@scalebox\@scalebox
18507

```

134 File quotchap-xetex-bidi.def

```

18508 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
18509 \renewcommand{\qauthor}[1]{%
18510 \par\smallskip
18511 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}
18512 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
18513 {\size@chapter\sectfont\if@RTL\raggedright\else\raggedleft\fi
18514 {\chapnumfont
18515 \ifnum \c@secnumdepth >\m@ne%
18516 \if@mainmatter\thechapter%
18517 \fi\fi
18518 \par\nobreak}%
18519 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi\fi
18520 \nobreak\chapterheadendvskip}}
18521 \renewcommand*{\@iprintcites}{%
18522 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
18523 \global\let\@printcites\relax}

```

135 File ragged2e-xetex-bidi.def

```

18524 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
18525 \renewcommand{\Centering}{%
18526 \ifx\\ \@raggedtwoe@savedcr
18527 \let\\ \@centercr
18528 \fi
18529 \let\@gnewline\@raggedtwoe@gnewline
18530 \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
18531 \@rightskip\CenteringRightskip
18532 \if@RTL\leftskip\else\rightskip\fi\@rightskip
18533 \parfillskip\CenteringParfillskip
18534 \parindent\CenteringParindent
18535 \@raggedtwoe@spaceskiptrue
18536 \@raggedtwoe@everyselectfont
18537 }
18538 \renewcommand{\RaggedLeft}{%
18539 \ifx\\ \@raggedtwoe@savedcr
18540 \let\\ \@centercr
18541 \fi
18542 \let\@gnewline\@raggedtwoe@gnewline
18543 \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
18544 \@rightskip\RaggedLeftRightskip
18545 \if@RTL\leftskip\else\rightskip\fi\@rightskip
18546 \parfillskip\RaggedLeftParfillskip
18547 \parindent\RaggedLeftParindent
18548 \@raggedtwoe@spaceskiptrue

```



```

18549 \raggedtwo@everyselectfont
18550 }
18551 \renewcommand{\RaggedRight}{%
18552 \ifx\\@raggedtwo@savedcr
18553 \let\\@centercr
18554 \fi
18555 \let@gnewline@raggedtwo@gnewline
18556 \if@RTL\righskip\else\leftskip\fi\RaggedRightLeftskip
18557 \@rightskip\RaggedRightRightskip
18558 \if@RTL\leftskip\else\righskip\fi@rightskip
18559 \parfillskip\RaggedRightParfillskip
18560 \parindent\RaggedRightParindent
18561 \@raggedtwo@spaceskiptrue
18562 \@raggedtwo@everyselectfont
18563 }
18564 \renewcommand{\justifying}{%
18565 \let\\@raggedtwo@savedcr
18566 \let@gnewline@raggedtwo@saved@gnewline
18567 \if@RTL\righskip\else\leftskip\fi\z@
18568 \@rightskip\z@
18569 \if@RTL\leftskip\else\righskip\fi@rightskip
18570 \parfillskip\JustifyingParfillskip
18571 \parindent\JustifyingParindent
18572 \@raggedtwo@spaceskipfalse
18573 \@raggedtwo@everyselectfont
18574 }
18575 \def\@raggedtwo@raggedrightboxes@opt{%
18576 \renewcommand{\@arrayparboxrestore}{%
18577 \let\if@nbreak\iffalse
18578 \let\if@noskipsec\iffalse
18579 \let\par\@par
18580 \let\-\@dischyph
18581 \let'\@acci\let\`@accii\let\=@acciii
18582 \parskip\z@skip
18583 \everypar{}%
18584 \linewidth\hsize
18585 \@totalleftmargin\z@
18586 \if@RTL
18587 \RaggedLeft
18588 \else
18589 \RaggedRight
18590 \fi
18591 \lineskip\normallineskip
18592 \baselineskip\normalbaselineskip
18593 \sloppy}%
18594 \let\@raggedtwo@raggedrightboxes@opt\relax
18595 }
18596 \def\@raggedtwo@document@opt{%
18597 \AtBeginDocument{\@raggedtwo@abdhook}%
18598 \@raggedtwo@raggedrightboxes@opt
18599 \@raggedtwo@footmisctrue
18600 \let\@raggedtwo@document@opt\relax
18601 }
18602 \def\@raggedtwo@abdhook{%

```



```

18603 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
18604   right to left documents and '\string\RaggedRight' for left
18605   to right documents}%
18606 \if@RTL
18607   \RaggedLeft
18608 \else
18609   \RaggedRight
18610 \fi
18611 \@ifundefined{@tocrmarg}{\edef@tocrmarg{\@tocrmarg plus 2em}}%
18612 \let\@raggedtwoe@abdhook\relax
18613 }
18614 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
18615   \@raggedtwoe@raggedrightboxes@opt
18616 }{}
18617 \@ifpackagewith{ragged2e}{document}{%
18618   \@raggedtwoe@document@opt
18619 }{}
18620 \let\origin@RaggedLeft=\RaggedLeft
18621 \let\origin@RaggedRight=\RaggedRight
18622 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
18623 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

136 File rapport1-xetex-bidi.def

```

18624 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
18625 \renewenvironment{theindex}{%
18626   \if@twocolumn
18627     \@restonecolfalse
18628   \else
18629     \@restonecoltrue
18630   \fi
18631   \columnseprule \z@
18632   \columnsep 35\p@
18633   \twocolumn[\@makeschapterhead{\indexname}]%
18634   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
18635   \thispagestyle{plain}\parindent\z@
18636   \parskip\z@ \@plus .3\p@\relax
18637   \let\item\@idxitem
18638 }{%
18639   \if@restonecol\onecolumn\else\clearpage\fi}
18640 \renewcommand*\head@style{%
18641   \interlinepenalty \@M
18642   \hyphenpenalty=\@M \exhyphenpenalty=\@M
18643   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
18644 \if@titlepage
18645   \renewenvironment{abstract}{%
18646     \titlepage
18647     \null\vfil
18648     \section*{\SectFont\abstractname}%
18649     \noindent\ignorespaces}
18650   {\par\vfil\null\endtitlepage}
18651 \else
18652   \renewenvironment{abstract}{%
18653     \if@twocolumn

```



```

18654         \section*{\abstractname}%
18655     \else
18656         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
18657         \section*{\small\SectFont\abstractname}%
18658         \noindent\ignorespaces
18659     \fi}
18660     {\if@twocolumn\else\par\egroup\fi}
18661 \fi
18662 \renewcommand*\@regtocline[3]{%
18663     \ifnum #1>\c@tocdepth
18664     \else
18665         \vskip\z@\@plus.2\p@
18666         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
18667         \if@RTL\rightskip\else\leftskip\fi\unitindent
18668         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
18669         \parfillskip\z@
18670         \@tempdima\unitindent
18671         \parindent\z@
18672         \leavevmode
18673         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
18674         \hskip 1em \nobreak{\slshape #3}\par
18675     }%
18676     \fi}
18677 \if@oldtoc
18678 \renewcommand*\l@part[2]{%
18679     \ifnum \c@tocdepth >-2\relax
18680         \addpenalty{-\@highpenalty}%
18681         \addvspace{2.25em \@plus\p@}%
18682         \begingroup
18683             \setlength\@tempdima{3em}%
18684             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18685             \parfillskip -\@pnumwidth
18686             {\leavevmode
18687                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
18688                 \nobreak
18689                 \global\@nobreaktrue
18690                 \everypar{\global\@nobreakfalse\everypar{}}%
18691             \endgroup
18692     \fi}
18693 \else
18694     \renewcommand*\l@part{%
18695         \ifnum \c@tocdepth >-2\relax
18696             \addpenalty{-\@highpenalty}%
18697             \addvspace{2.25em \@plus \p@}%
18698             \@regtocline{0}%
18699         \fi}
18700 \fi
18701 \if@oldtoc
18702 \renewcommand*\l@chapter[2]{%
18703     \addpenalty{-\@highpenalty}%
18704     \vskip 1.0em \@plus\p@
18705     \setlength\@tempdima{1.5em}%
18706     \begingroup
18707     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

18708 \parfillskip -\@pnumwidth
18709 \leavevmode \bfseries
18710 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
18711 \hskip -\if@RTL\rightskip\else\leftskip\fi
18712 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
18713 \penalty\@highpenalty
18714 \endgroup}
18715 \else
18716 \renewcommand*\l@chapter{\@regtocline{0}}
18717 \fi
18718 \renewcommand*\left@footnoterule{%
18719 \kern-3\p@
18720 \kern.5\baselineskip
18721 \hrule\@width\unitindent
18722 \kern.4\baselineskip
18723 }
18724 \renewcommand*\right@footnoterule{%
18725 \kern-3\p@
18726 \kern.5\baselineskip
18727 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
18728 \kern.4\baselineskip}
18729 \renewenvironment{thebibliography}[1]
18730 {\chapter*{\bibname}%
18731 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
18732 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18733 \bidi@thebibliography@font@hook%
18734 \list{\@biblabel{\@arabic\c@enumiv}}%
18735 {\settowidth\labelwidth{\@biblabel{#1}}%
18736 \leftmargin\labelwidth
18737 \advance\leftmargin\labelsep
18738 \openbib@code
18739 \usecounter{enumiv}%
18740 \let\p@enumiv\@empty
18741 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
18742 \sloppy\clubpenalty4000\widowpenalty4000%
18743 \sfcode\.\@m}
18744 {\def\@noitemerr
18745 {\@latex@warning{Empty `thebibliography' environment}}}%
18746 \endlist}
18747 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
18748 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
18749 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
18750 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18751 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
18752 \renewcommand*\theequation{%
18753 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
18754 \renewcommand*\thefigure{%
18755 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
18756 \renewcommand*\thetable{%
18757 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
18758 \if@titlepage
18759 \renewcommand*\TitleFont{\rmfamily}
18760 \renewcommand*\maketitle{%
18761 \begin{titlepage}%

```




```

18762 \let\footnotesize\small
18763 \let\right@footnoterule\relax
18764 \let\left@footnoterule\relax
18765 \let\textwidth@footnoterule\relax
18766 \let \footnote \thanks
18767 \long\def\@makefntext##1{\parindent\z@
18768 \def\labelitemi{\textendash}\@revlabeltrue
18769 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
18770 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18771 \if@compatibility\setcounter{page}{0}\fi
18772 \null\vfil
18773 \vskip 60\p@
18774 \begin{center}%
18775 \TitleFont
18776 {\LARGE \def\\{\penalty -\@M}
18777 \if@allcaps
18778 \expandafter\uc@nothanks\@title\thanks\relax
18779 \else
18780 \@title
18781 \fi\par}%
18782 \vskip 3em%
18783 {\large
18784 \lineskip .75em \parindent\z@
18785 \begin{tabular}[t]{c}%
18786 \if@allcaps
18787 \expandafter\uc@authornothanks\@author\and\relax
18788 \else
18789 \@author
18790 \fi
18791 \end{tabular}\par}%
18792 \vskip 1.5em%
18793 {\large
18794 \if@allcaps
18795 \uppercase\expandafter{\@date}%
18796 \else
18797 \@date
18798 \fi\par}%
18799 \end{center}\par
18800 \@thanks
18801 \vfil\null
18802 \end{titlepage}%
18803 \setcounter{footnote}{0}%
18804 \global\let\thanks\relax
18805 \global\let\maketitle\relax
18806 \global\let\@thanks\@empty
18807 \global\let\@author\@empty
18808 \global\let\@title\@empty
18809 \global\let\@date\@empty
18810 \global\let\title\relax
18811 \global\let\author\relax
18812 \global\let\date\relax
18813 \global\let\and\relax
18814 }
18815 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}

```



```

18816 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
18817     \futurelet\@tempa\uc@ax}
18818 \def\uc@ax{%
18819     \ifx\@tempa\relax
18820     \else
18821         \\\andname \\\expandafter\uc@authornothanks
18822     \fi}
18823 \def\uc@tx{\ifx\@tempa\relax
18824     \else \expandafter\uc@ty \fi}
18825 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
18826 \else
18827 \renewcommand*\maketitle{\par
18828     \begingroup
18829     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18830     \def\@makefnmark{\rlap{%
18831         \@textsuperscript{\normalfont\@thefnmark}}}%
18832     \long\def\@makefntext{\@xmakefntext{%
18833         \@textsuperscript{\normalfont\@thefnmark}}}%
18834     \if@twocolumn
18835         \ifnum \col@number=\@one
18836             \@maketitle
18837         \else
18838             \twocolumn[\@maketitle]%
18839         \fi
18840     \else
18841         \newpage
18842         \global\@topnum\z@
18843         \@maketitle
18844     \fi
18845     \thispagestyle{plain}\@thanks
18846 \endgroup
18847 \setcounter{footnote}{0}%
18848 \global\let\thanks\relax
18849 \global\let\maketitle\relax
18850 \global\let\@maketitle\relax
18851 \global\let\@thanks\@empty
18852 \global\let\@author\@empty
18853 \global\let\@title\@empty
18854 \global\let\@date\@empty
18855 \global\let\title\relax
18856 \global\let\author\relax
18857 \global\let\date\relax
18858 \global\let\and\relax
18859 }
18860 \def\@maketitle{%
18861     \newpage
18862     \null
18863     \vskip 2em%
18864     \begin{center}%
18865         \let \footnote \thanks
18866         {\LARGE \TitleFont \@title \par}%
18867         \vskip 1.5em%
18868         {\large \TitleFont
18869             \lineskip .5em%

```



```

18870     \begin{tabular}[t]{c}%
18871         \@author
18872     \end{tabular}\par}%
18873     \vskip 1em%
18874     {\large \TitleFont \@date}%
18875 \end{center}%
18876 \par
18877 \vskip 1.5em}
18878 \fi

```

137 File rapport3-xetex-bidi.def

```

18879 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
18880 \renewenvironment{theindex}{%
18881     \if@twocolumn
18882         \@restonecolfalse
18883     \else
18884         \@restonecoltrue
18885     \fi
18886     \columnseprule \z@
18887     \columnsep 35\p@
18888     \twocolumn[\@makeschapterhead{\indexname}]%
18889     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
18890     \thispagestyle{plain}\parindent\z@
18891     \parskip\z@ \@plus .3\p@\relax
18892     \let\item\@idxitem
18893 }{%
18894     \if@restonecol\onecolumn\else\clearpage\fi}
18895 \if@titlepage
18896 \renewcommand*\TitleFont{\rmfamily}
18897 \renewcommand*\maketitle{%
18898     \begin{titlepage}%
18899         \let\footnotesize\small
18900         \let\right@footnoterule\relax
18901         \let\left@footnoterule\relax
18902         \let\textwidth@footnoterule\relax
18903         \let \footnote \thanks
18904         \let \LTRfootnote \LTRthanks
18905         \let \RTLfootnote \RTLthanks
18906         \long\def\@makefntext##1{\parindent\z@
18907             \def\labelitemi{\textendash}\@revlabeltrue
18908             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
18909         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18910         \if@compatibility\setcounter{page}{0}\fi
18911         \null\vfil
18912         \vskip 60\p@
18913         \begin{center}%
18914             \TitleFont
18915             {\LARGE \def\\{\penalty -\@M}
18916             \if@allcaps
18917                 \expandafter\uc@nothanks\@title\thanks\relax
18918             \else
18919                 \@title
18920             \fi\par}%

```



```

18921      \vskip 3em%
18922      {\large
18923      \lineskip .75em \parindent\z@
18924      \begin{tabular}[t]{c}%
18925      \if@allcaps
18926      \expandafter\uc@authornothanks\@author\and\relax
18927      \else
18928      \@author
18929      \fi
18930      \end{tabular}\par}%
18931      \vskip 1.5em%
18932      {\large
18933      \if@allcaps
18934      \uppercase\expandafter{\@date}%
18935      \else
18936      \@date
18937      \fi\par}%
18938      \end{center}\par
18939      \@thanks
18940      \vfil\null
18941      \end{titlepage}%
18942      \setcounter{footnote}{0}%
18943      \global\let\thanks\relax
18944      \global\let\LTRthanks\relax
18945      \global\let\RTLthanks\relax
18946      \global\let\maketitle\relax
18947      \global\let\@thanks\@empty
18948      \global\let\@author\@empty
18949      \global\let\@title\@empty
18950      \global\let\@date\@empty
18951      \global\let\title\relax
18952      \global\let\author\relax
18953      \global\let\date\relax
18954      \global\let\and\relax
18955      }
18956      \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
18957      \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
18958      \futurelet\@tempa\uc@ax}
18959      \def\uc@ax{%
18960      \ifx\@tempa\relax
18961      \else
18962      \ \andname \ \ \expandafter\uc@authornothanks
18963      \fi}
18964      \def\uc@tx{\ifx\@tempa\relax
18965      \else \expandafter\uc@ty \fi}
18966      \def\uc@ty#1{\thanks{#1}\uc@nothanks}
18967      \else
18968      \renewcommand*\maketitle{\par
18969      \begin{group
18970      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18971      \def\@makefnmark{\rlap{%
18972      \@textsuperscript{\normalfont\@thefnmark}}}%
18973      \long\def\@makefntext{\@xmakefntext{%
18974      \@textsuperscript{\normalfont\@thefnmark}}}%

```



```

18975 \if@twocolumn
18976 \ifnum \col@number=\@ne
18977 \maketitle
18978 \else
18979 \twocolumn[\maketitle]%
18980 \fi
18981 \else
18982 \newpage
18983 \global\@topnum\z@
18984 \maketitle
18985 \fi
18986 \thispagestyle{plain}\@thanks
18987 \endgroup
18988 \setcounter{footnote}{0}%
18989 \global\let\thanks\relax
18990 \global\let\LTRthanks\relax
18991 \global\let\RTLthanks\relax
18992 \global\let\maketitle\relax
18993 \global\let\@maketitle\relax
18994 \global\let\@thanks\@empty
18995 \global\let\@author\@empty
18996 \global\let\@title\@empty
18997 \global\let\@date\@empty
18998 \global\let\title\relax
18999 \global\let\author\relax
19000 \global\let\date\relax
19001 \global\let\and\relax
19002 }
19003 \def\maketitle{%
19004 \newpage
19005 \null
19006 \vskip 2em%
19007 \if@titlecentered
19008 \begin{center}%
19009 \let \footnote \thanks
19010 \let \LTRfootnote \LTRthanks
19011 \let \RTLfootnote \RTLthanks
19012 {\LARGE \TitleFont \@title \par}%
19013 \vskip 1.5em%
19014 {\large \TitleFont
19015 \lineskip .5em%
19016 \begin{tabular}[t]{c}%
19017 \author
19018 \end{tabular}\par}%
19019 \vskip 1em%
19020 {\large \TitleFont \@date}%
19021 \end{center}%
19022 \else
19023 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
19024 {\large \TitleFont \lineskip .5em \tabcolsep\z@
19025 \def\and{%% \begin{tabular} has already started
19026 \end{tabular}\hskip 1em plus .17fil
19027 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
19028 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\author\end{tabular}\

```



```

19029 \vskip 1em {\large \TitleFont \@date}
19030 \fi
19031 \par
19032 \vskip 1.5em}
19033 \fi
19034 \renewcommand*\@regtocline[3]{%
19035 \ifnum #1>\c@tocdepth
19036 \else
19037 \vskip\z@\@plus.2\p@
19038 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
19039 \if@RTL\rightskip\else\leftskip\fi\unitindent
19040 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
19041 \parfillskip\z@
19042 \@tempdima\unitindent
19043 \parindent\z@
19044 \leavevmode
19045 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
19046 \hskip 1em \nobreak{\slshape #3}\par
19047 }%
19048 \fi}
19049 \if@oldtoc
19050 \renewcommand*\l@part[2]{%
19051 \ifnum \c@tocdepth >-2\relax
19052 \addpenalty{-\@highpenalty}%
19053 \addvspace{2.25em \@plus\p@}%
19054 \begingroup
19055 \setlength\@tempdima{3em}%
19056 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19057 \parfillskip -\@pnumwidth
19058 {\leavevmode
19059 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
19060 \nobreak
19061 \global\@nobreaktrue
19062 \everypar{\global\@nobreakfalse\everypar{}}%
19063 \endgroup
19064 \fi}
19065 \else
19066 \renewcommand*\l@part{%
19067 \ifnum \c@tocdepth >-2\relax
19068 \addpenalty{-\@highpenalty}%
19069 \addvspace{2.25em \@plus \p@}%
19070 \@regtocline{0}%
19071 \fi}
19072 \fi
19073 \if@oldtoc
19074 \renewcommand*\l@chapter[2]{%
19075 \addpenalty{-\@highpenalty}%
19076 \vskip 1.0em \@plus\p@
19077 \setlength\@tempdima{1.5em}%
19078 \begingroup
19079 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19080 \parfillskip -\@pnumwidth
19081 \leavevmode \bfseries
19082 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```



```

19083 \hskip -\if@RTL\rightskip\else\leftskip\fi
19084 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
19085 \penalty\@highpenalty
19086 \endgroup}
19087 \else
19088 \renewcommand*\l@chapter{\@regtocline{0}}
19089 \fi
19090 \renewcommand*\head@style{%
19091 \interlinepenalty \@M
19092 \hyphenpenalty=\@M \exhyphenpenalty=\@M
19093 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
19094 \if@titlepage
19095 \renewenvironment{abstract}{%
19096 \titlepage
19097 \null\vfil
19098 \section*{\SectFont\abstractname}%
19099 \noindent\ignorespaces}
19100 {\par\vfil\null\endtitlepage}
19101 \else
19102 \renewenvironment{abstract}{%
19103 \if@twocolumn
19104 \section*{\abstractname}%
19105 \else
19106 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
19107 \section*{\small\SectFont\abstractname}%
19108 \noindent\ignorespaces
19109 \fi}
19110 {\if@twocolumn\else\par\egroup\fi}
19111 \fi
19112 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
19113 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
19114 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
19115 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
19116 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
19117 \renewcommand*\thefigure{%
19118 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
19119 \renewcommand*\thetable{%
19120 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
19121 \renewcommand*\theequation{%
19122 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
19123 \renewenvironment{thebibliography}[1]
19124 {\chapter*{\bibname}%
19125 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
19126 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19127 \bidi\@thebibliography@font@hook%
19128 \list{\@biblabel{\@arabic\c@enumiv}}%
19129 {\settowidth\labelwidth{\@biblabel{#1}}%
19130 \leftmargin\labelwidth
19131 \advance\leftmargin\labelsep
19132 \openbib@code
19133 \usecounter{enumiv}%
19134 \let\p@enumiv\@empty
19135 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
19136 \sloppy\clubpenalty4000\widowpenalty4000%

```



```

19137     \sfcode`\.\@m}
19138     {\def\@noitemerr
19139       {\@latex@warning{Empty `thebibliography' environment}}}%
19140     \endlist}
19141 \renewcommand*\left@footnoterule{%
19142   \kern-3\p@
19143   \kern.5\baselineskip
19144   \hrule\@width\unitindent
19145   \kern.4\baselineskip
19146 }
19147 \renewcommand*\right@footnoterule{%
19148   \kern-3\p@
19149   \kern.5\baselineskip
19150   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
19151   \kern.4\baselineskip}
19152 \renewcommand*\head@style{%
19153   \interlinepenalty \@M
19154   \hyphenpenalty=\@M \exhyphenpenalty=\@M
19155   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

138 File refrep-xetex-bidi.def

```

19156 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
19157 \if@titlepage
19158   \renewcommand\maketitle{\begin{titlepage}%
19159     \let\footnotesize\small
19160     \let\right@footnoterule\relax
19161     \let\left@footnoterule\relax
19162     \let\textwidth\footnoterule\relax
19163     \let\footnote\thanks
19164     \let\LTRfootnote\LTRthanks
19165     \let\RTLfootnote\RTLthanks
19166     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
19167     \def\@makefnmark%
19168       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
19169     \long\def\@makefntext##1{%
19170       \@setpar{\@par
19171         \@tempdima = \hsize
19172         \advance\@tempdima -1em
19173         \parshape \@ne 1em \@tempdima}%
19174       \par\parindent 1em \noindent
19175       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}\##1}
19176     \null\vfil
19177     \vskip 60\p@
19178     \begin{center}%
19179       {\LARGE \@title \par}%
19180       \vskip 3em%
19181       {\large
19182         \lineskip .75em%
19183         \begin{tabular}[t]{c}%
19184           \@author
19185         \end{tabular}\par}%
19186       \vskip 1.5em%
19187       {\large \@date \par}%           % Set date in \large size.

```




```

19188 \end{center}\par
19189 \@thanks
19190 \vfil\null
19191 \end{titlepage}%
19192 \setcounter{footnote}{0}%
19193 \global\let\thanks\relax
19194 \global\let\LTRthanks\relax
19195 \global\let\RTLthanks\relax
19196 \global\let\maketitle\relax
19197 \global\let\@thanks\@empty
19198 \global\let\@author\@empty
19199 \global\let\@date\@empty
19200 \global\let\@title\@empty
19201 \global\let\title\relax
19202 \global\let\author\relax
19203 \global\let\date\relax
19204 \global\let\and\relax
19205 }
19206 \else
19207 \renewcommand\maketitle{\par
19208 \begingroup
19209 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
19210 \def\@makefnmark%
19211 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
19212 \long\def\@makefntext##1{%
19213 \setpar{\@par
19214 \tempdima = \hsize
19215 \advance\tempdima -1em
19216 \parshape \@ne 1em \tempdima}%
19217 \par\parindent 1em \noindent
19218 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,\}##1}
19219 \if@twocolumn
19220 \ifnum \col@number=\@ne
19221 \maketitle
19222 \else
19223 \twocolumn[\maketitle]%
19224 \fi
19225 \else
19226 \newpage
19227 \global\@topnum\z@ % Prevents figures from going at top of page.
19228 \maketitle
19229 \fi
19230 \thispagestyle{empty}\@thanks
19231 \endgroup
19232 \setcounter{footnote}{0}%
19233 \global\let\thanks\relax
19234 \global\let\LTRthanks\relax
19235 \global\let\RTLthanks\relax
19236 \global\let\maketitle\relax
19237 \global\let\@maketitle\relax
19238 \global\let\@thanks\@empty
19239 \global\let\@author\@empty
19240 \global\let\@date\@empty
19241 \global\let\@title\@empty

```



```

19242 \global\let\title\relax
19243 \global\let\author\relax
19244 \global\let\date\relax
19245 \global\let\and\relax
19246 }
19247 \def\@maketitle{%
19248   \newpage
19249   \null
19250   \longthickrule\vskip1.5em%
19251   \let \footnote \thanks
19252   \let \LTRfootnote \LTRthanks
19253   \let \RTLfootnote \RTLthanks
19254   {\secshape \parskip\z@ \parindent\z@
19255   \Large\bfseries \@title \par}%
19256   \vskip1.5em\longthickrule\vskip1.5em%
19257   {\normalsize
19258     \lineskip .5em%
19259     \begin{flushright}%
19260       {\slshape\@author\par}
19261       \vskip 1em%
19262       {\@date}%
19263     \end{flushright}\par}%
19264   \vskip 1.5em}
19265 \fi
19266 \renewcommand*\l@part[2]{%
19267   \ifnum \c@tocdepth >-2\relax
19268     \addpenalty{-\@highpenalty}%
19269     \addvspace{2.25em \@plus\p@}%
19270     \begingroup
19271       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19272       \parfillskip -\@pnumwidth
19273       {\leavevmode
19274         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
19275       \nobreak
19276       \global\@nobreaktrue
19277       \everypar{\global\@nobreakfalse\everypar{}}%
19278     \endgroup
19279   \fi}
19280 \renewcommand*\l@chapter[2]{%
19281   \ifnum \c@tocdepth >\m@ne
19282     \addpenalty{-\@highpenalty}%
19283     \vskip 1.0em \@plus\p@
19284     \setlength\@tempdima{1.5em}%
19285     \begingroup
19286       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19287       \parfillskip -\@pnumwidth
19288       \leavevmode \bfseries
19289       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
19290       \hskip -\if@RTL\rightskip\else\leftskip\fi
19291       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
19292       \penalty\@highpenalty
19293     \endgroup
19294   \fi}
19295 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%

```



```

19296             \ifRTL\leftskip\else\rightskip\fi=\@flushglue%
19297             \hyphenpenalty=2000}
19298 \renewcommand\left@footnoterule{%
19299     \kern-3\p@
19300     \hrule\@width.4\columnwidth
19301     \kern 2.6\p@}
19302 \renewcommand\right@footnoterule{%
19303     \kern-3\p@
19304     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
19305     \kern2.6\p@}
19306 \renewcommand\theequation
19307 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19308 \renewcommand\thefigure
19309     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
19310 \renewcommand\thetable%
19311     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
19312 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
19313 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
19314 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
19315 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
19316 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
19317 \renewenvironment{thebibliography}[1]
19318     {\chapter*{\bibname
19319         \@mkboth{\bibname}{\bibname}}%
19320         \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
19321         \bidi@thebibliography@font@hook%
19322         \list{\@biblabel{\@arabic\c@enumiv}}%
19323             {\settowidth\labelwidth{\@biblabel{#1}}%
19324             \leftmargin\labelwidth
19325             \advance\leftmargin\labelsep
19326             \@openbib@code
19327             \usecounter{enumiv}%
19328             \let\p@enumiv\@empty
19329             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
19330             \sloppy
19331             \clubpenalty4000
19332             \@clubpenalty \clubpenalty
19333             \widowpenalty4000%
19334             \sfcode\`.\@m}
19335 {\def\@noitemerr
19336     {\@latex@warning{Empty `thebibliography' environment}}}%
19337 \endlist}

```

139 File report-xetex-bidi.def

```

19338 \ProvidesFile{report-xetex-bidi.def}[2025/09/04 v1.0 bidi adaptations for standard report cl
19339 \renewenvironment{theindex}
19340     {\if@twocolumn
19341         \@restonecolfalse
19342         \else
19343             \@restonecoltrue
19344         \fi
19345         \columnseprule \z@
19346         \columnsep 35\p@

```



```

19347             \twocolumn[\@makeschapterhead{\indexname}]%
19348             \@mkboth{\MakeUppercase\indexname}%
19349             {\MakeUppercase\indexname}%
19350             \thispagestyle{plain}\parindent\z@
19351             \parskip\z@ \@plus .3\p@\relax
19352             \let\item\@idxitem}
19353         {\if@restonecol\onecolumn\else\clearpage\fi}
19354 \if@titlepage
19355 \renewcommand\maketitle{\begin{titlepage}%
19356 \let\footnotesize\small
19357 \let\right@footnoterule\relax
19358 \let\left@footnoterule\relax
19359 \let\textwidth@footnoterule\relax
19360 \let \footnote \thanks
19361 \let \LTRfootnote \LTRthanks
19362 \let \RTLfootnote \RTLthanks
19363 \null\vfil
19364 \vskip 60\p@
19365 \begin{center}%
19366     {\LARGE \@title \par}%
19367     \vskip 3em%
19368     {\large
19369     \lineskip .75em%
19370     \begin{tabular}[t]{c}%
19371         \@author
19372     \end{tabular}\par}%
19373     \vskip 1.5em%
19374     {\large \@date \par}%           % Set date in \large size.
19375 \end{center}\par
19376 \@thanks
19377 \vfil\null
19378 \end{titlepage}%
19379 \setcounter{footnote}{0}%
19380 \global\let\thanks\relax
19381 \global\let\LTRthanks\relax
19382 \global\let\RTLthanks\relax
19383 \global\let\maketitle\relax
19384 \global\let\@thanks\@empty
19385 \global\let\@author\@empty
19386 \global\let\@date\@empty
19387 \global\let\@title\@empty
19388 \global\let\title\relax
19389 \global\let\author\relax
19390 \global\let\date\relax
19391 \global\let\and\relax
19392 }
19393 \else
19394 \renewcommand\maketitle{\par
19395 \begin{group
19396 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
19397 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
19398 \long\def\@makefntext##1{\parindent 1em\noindent
19399     \hb@xt@1.8em{%
19400         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%

```



```

19401 \if@twocolumn
19402 \ifnum \col@number=\@ne
19403 \maketitle
19404 \else
19405 \twocolumn[\maketitle]%
19406 \fi
19407 \else
19408 \newpage
19409 \global\@topnum\z@ % Prevents figures from going at top of page.
19410 \maketitle
19411 \fi
19412 \thispagestyle{plain}\@thanks
19413 \endgroup
19414 \setcounter{footnote}{0}%
19415 \global\let\thanks\relax
19416 \global\let\LTRthanks\relax
19417 \global\let\RTLthanks\relax
19418 \global\let\maketitle\relax
19419 \global\let\@maketitle\relax
19420 \global\let\@thanks\@empty
19421 \global\let\@author\@empty
19422 \global\let\@date\@empty
19423 \global\let\@title\@empty
19424 \global\let\title\relax
19425 \global\let\author\relax
19426 \global\let\date\relax
19427 \global\let\and\relax
19428 }
19429 \def\@maketitle{%
19430 \newpage
19431 \null
19432 \vskip 2em%
19433 \begin{center}%
19434 \let \footnote \thanks
19435 \let \LTRfootnote \LTRthanks
19436 \let \RTLfootnote \RTLthanks
19437 {\LARGE \@title \par}%
19438 \vskip 1.5em%
19439 {\large
19440 \lineskip .5em%
19441 \begin{tabular}[t]{c}%
19442 \@author
19443 \end{tabular}\par}%
19444 \vskip 1em%
19445 {\large \@date}%
19446 \end{center}%
19447 \par
19448 \vskip 1.5em}
19449 \fi
19450 \IfPackageLoadedF{tocloft}{%
19451 \renewcommand*\l@part[2]{%
19452 \ifnum \c@tocdepth >-2\relax
19453 \addpenalty{-\@highpenalty}%
19454 \addvspace{2.25em \@plus\p}%

```



```

19455 \setlength\@tempdima{3em}%
19456 \begingroup
19457 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19458 \parfillskip -\@pnumwidth
19459 {\leavevmode
19460 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
19461 \nobreak
19462 \global\@nobreaktrue
19463 \everypar{\global\@nobreakfalse\everypar{}}%
19464 \endgroup
19465 \fi}
19466 \renewcommand*\l@chapter[2]{%
19467 \ifnum \c@tocdepth >\m@ne
19468 \addpenalty{-\@highpenalty}%
19469 \vskip 1.0em \@plus\p@
19470 \setlength\@tempdima{1.5em}%
19471 \begingroup
19472 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19473 \parfillskip -\@pnumwidth
19474 \leavevmode \bfseries
19475 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
19476 \hskip -\if@RTL\rightskip\else\leftskip\fi
19477 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
19478 \penalty\@highpenalty
19479 \endgroup
19480 \fi}
19481 }
19482 \renewcommand\left@footnoterule{%
19483 \kern-3\p@
19484 \hrule\@width.4\columnwidth
19485 \kern2.6\p@}
19486 \renewcommand\right@footnoterule{%
19487 \kern-3\p@
19488 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
19489 \kern2.6\p@}
19490 \renewcommand\theequation
19491 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19492 \renewcommand \thefigure
19493 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
19494 \renewcommand \thetable
19495 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
19496 \renewcommand \thechapter {\@arabic\c@chapter}
19497 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
19498 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
19499 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
19500 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
19501 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
19502 \def\@makechapterhead#1{%
19503 \vspace*{50\p@}%
19504 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
19505 \ifnum \c@secnumdepth >\m@ne
19506 \huge\bfseries \@chapapp\space \thechapter
19507 \par\nobreak
19508 \vskip 20\p@

```



```

19509 \fi
19510 \interlinepenalty\@M
19511 \Huge \bfseries #1\par\nobreak
19512 \vskip 40\p@
19513 }}
19514 \def\@makeschapterhead#1{%
19515 \vspace*{50\p@}%
19516 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
19517 \normalfont
19518 \interlinepenalty\@M
19519 \Huge \bfseries #1\par\nobreak
19520 \vskip 40\p@
19521 }}
19522 \IfPackageLoadedF{natbib}{%
19523 \renewenvironment{thebibliography}[1]
19524 {\chapter*{\bibname}%
19525 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
19526 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19527 \bidi@thebibliography@font@hook%
19528 \list{\@biblabel{\@arabic\c@enumiv}}{%
19529 {\settowidth\labelwidth{\@biblabel{#1}}%
19530 \leftmargin\labelwidth
19531 \advance\leftmargin\labelsep
19532 \@openbib@code
19533 \usecounter{enumiv}%
19534 \let\p@enumiv\@empty
19535 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
19536 \sloppy
19537 \clubpenalty4000
19538 \@clubpenalty \clubpenalty
19539 \widowpenalty4000%
19540 \sfcode\.\@m}
19541 {\def\@noitemerr
19542 {\@latex@warning{Empty `thebibliography' environment}}}%
19543 \endlist}
19544 }

```

140 File rotating-xetex-bidi.def

```

19545 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
19546 \def\end@rotfloat{%
19547 \end{minipage}\end{lrbox}%
19548 \stepcounter{r@tfl@t}%
19549 \rot@label{RF\ther@tfl@t}%
19550 \rot@pageref{RF\ther@tfl@t}{\R@page}%
19551 \edef\@tempa{Adding sideways \c@type\space on page \R@page\space}
19552 \rot@mess@toks\expandafter{\@tempa}
19553 \wd\rot@float@box\z@
19554 \ht\rot@float@box\z@
19555 \dp\rot@float@box\z@
19556 \vboxL to \textheight{%
19557 \setkeys{Grot}{units=360}%
19558 \if@rot@twoside
19559 \else

```



```

19560 \let\R@@page\rot@LR
19561 \fi
19562 \ifthenelse{\isodd{\R@@page}}{%
19563 \if@rot@twoside
19564 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
19565 \fi
19566 \vfill
19567 @@line{%
19568 \hskip\rotFPtop
19569 \rotatebox{90}{\box\rot@float@box}%
19570 \hskip\rotFPbot
19571 }%
19572 }{%
19573 \if@rot@twoside
19574 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
19575 \fi
19576 @@line{%
19577 \hskip\rotFPbot
19578 \rotatebox{-90}{\box\rot@float@box}%
19579 \hskip\rotFPtop
19580 }%
19581 \vfill
19582 }%
19583 \rot@message{\the\rot@mess@toks}
19584 }%
19585 \end@float
19586 }
19587 \let\endsidewaysfigure\end@rotfloat
19588 \let\endsidewaystable\end@rotfloat
19589 \def\end@rotdblfloat{%
19590 \end{minipage}\end{lrbox}%
19591 \stepcounter{r@tfl@t}%
19592 \rot@label{RF\ther@tfl@t}%
19593 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
19594 \edef\@tempa{Adding sideways \c@type\space on page \R@@page\space}
19595 \rot@mess@toks\expandafter{\@tempa}
19596 \@tempdima\ht\rot@float@box
19597 \advance\@tempdima by \dp\rot@float@box
19598 \wd\rot@float@box\z@
19599 \ht\rot@float@box\z@
19600 \dp\rot@float@box\z@
19601 \vboxL to \textheight{%
19602 \setkeys{Grot}{units=360}%
19603 \if@rot@twoside
19604 \else
19605 \let\R@@page\rot@LR
19606 \fi
19607 \ifthenelse{\isodd{\R@@page}}{%
19608 \ifrot@messages
19609 \if@rot@twoside
19610 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
19611 \fi
19612 \fi
19613 \vfill

```




```

19614 \@@line{%
19615 \hskip\rotFPtop
19616 \rotatebox{90}{\box\rot@float@box}%
19617 \hskip\rotFPbot
19618 }%
19619 }{%
19620 \ifrot@messages
19621 \if@rot@twoside
19622 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
19623 \fi
19624 \fi%
19625 \@@line{%
19626 \hskip\rotFPbot
19627 \rotatebox{-90}{\box\rot@float@box}%
19628 \hskip\rotFPtop
19629 }%
19630 \vfill
19631 }%
19632 \rot@message{\the\rot@mess@toks}%
19633 }%
19634 \end@dblfloat
19635 }
19636 \def\turn#1{%
19637 \Grot@setangle{#1}%
19638 \setbox\z@{\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
19639 \def\endturn{%
19640 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
19641 \unskip\color@endbox
19642 \Grot@x\z@
19643 \Grot@y\z@
19644 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19645 }
19646 \def\rotate#1{%
19647 \Grot@setangle{#1}%
19648 \setbox\z@{\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
19649 \def\endrotate{%
19650 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
19651 \unskip\color@endbox
19652 \Grot@x\z@
19653 \Grot@y\z@
19654 \wd0\z@\dp0\z@\ht0\z@
19655 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19656 }
19657 \def\turnbox#1#2{%
19658 \Grot@setangle{#1}%
19659 \setbox\z@{\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}}
19660 \Grot@x\z@\Grot@y\z@
19661 \wd0\z@\dp0\z@\ht0\z@
19662 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19663 }
19664 \def\sideways{%
19665 \Grot@setangle{90}%
19666 \setbox\z@{\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
19667 \def\endsideways{%

```



```

19668 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
19669 \unskip\color@endbox
19670 \Grot@x\z@
19671 \Grot@y\z@
19672 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19673 }

```

141 File scrartcl-xetex-bidi.def

```

19674 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
19675 \newcommand{\scr@saved@LTRfootnotetext}{}
19676 \newcommand{\scr@saved@RTLfootnotetext}{}
19677 \let\scr@saved@footnotetext\@footnotetext
19678 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
19679 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
19680 \renewcommand{\@footnotetext}[1]{%
19681   \scr@saved@footnotetext{#1}%
19682   \csname FN@mfb@prepare\endcsname
19683 }
19684 \renewcommand{\@LTRfootnotetext}[1]{%
19685   \scr@saved@LTRfootnotetext{#1}%
19686   \csname FN@mfb@prepare\endcsname
19687 }
19688 \renewcommand{\@RTLfootnotetext}[1]{%
19689   \scr@saved@RTLfootnotetext{#1}%
19690   \csname FN@mfb@prepare\endcsname
19691 }
19692 \renewcommand\deffootnote[4][1]{%
19693   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
19694     \long\def\@makefnmark##1{%
19695       \ExecuteDoHook{footnote/text/begin}%
19696       \raggedfootnote
19697       \if@RTL
19698         \rightskip
19699       \else
19700         \leftskip
19701       \fi
19702       #2
19703       \l@addto@macro\@trivlist{%
19704         \ifnum\@listdepth=\@ne
19705           \if@RTL
19706             \advance\rightmargin #2\relax
19707           \else
19708             \advance\leftmargin #2\relax
19709           \fi
19710         \fi
19711       }%
19712       \parindent #3\noindent
19713       \IfArgIsEmpty{#1}{}{}%
19714       \hskip \dimexpr #1-#2\relax
19715     }%
19716     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19717     \ExecuteDoHook{footnote/text/end}%
19718   }%

```



```

19719 \else
19720   \ClassInfo{\KOMAClassName}{%
19721     Using old \string\@makefntext\space due to compatibility
19722     level\MessageBreak
19723     less than 3.22}%
19724   \long\def\@makefntext##1{%
19725     \setlength{\@tempdimc}{#3}%
19726     \def\@tempa{#1}\ifx\@tempa\@empty
19727       \setpar{\@@par
19728         \@tempdima = \hsize
19729         \addtolength{\@tempdima}{-#2}%
19730         \if@RTL
19731           \parshape \@ne \z@ \@tempdima
19732         \else
19733           \parshape \@ne #2 \@tempdima
19734         \fi}%
19735     \else
19736       \addtolength{\@tempdimc}{#2}%
19737       \addtolength{\@tempdimc}{-#1}%
19738       \setpar{\@@par
19739         \@tempdima = \hsize
19740         \addtolength{\@tempdima}{-#1}%
19741         \@tempdimb = \hsize
19742         \addtolength{\@tempdimb}{-#2}%
19743         \if@RTL
19744           \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
19745         \else
19746           \parshape \tw@ #1 \@tempdima #2 \@tempdimb
19747         \fi
19748       }%
19749     \fi
19750   \par
19751   \parindent\@tempdimc\noindent
19752   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19753 }%
19754 \fi
19755 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
19756 }
19757 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
19758 \renewcommand*\left@footnoterule{%
19759   \normalsize\ftn@rule@test@values
19760   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19761   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19762   {\usekomafont{footnoterule}{%
19763     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
19764   \kern 2.6\p@}
19765 \renewcommand*\right@footnoterule{%
19766   \normalsize\ftn@rule@test@values
19767   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19768   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19769   {\usekomafont{footnoterule}{%
19770     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
19771     \kern 2.6\p@}
19772   \renewcommand*\maketitle[1][1]{%

```



```

19773 \expandafter\ifnum \cename scr@v@3.12\endcsname>\scr@compatibility\relax
19774 \else
19775   \def\and{%
19776     \end{tabular}%
19777     \hskip 1em \@plus.17fil%
19778     \begin{tabular}[t]{c}%
19779   }%
19780 \fi
19781 \if@titlepage
19782   \begin{titlepage}
19783     \setcounter{page}{%
19784       #1%
19785     }%
19786   \if@titlepageiscoverpage
19787     \edef\tITLEPAGE@restore{%
19788       \noexpand\endgroup
19789       \noexpand\global\noexpand\@colht\the\@colht
19790       \noexpand\global\noexpand\@colroom\the\@colroom
19791       \noexpand\global\vsizethe\vsizethe
19792       \noexpand\global\noexpand\@titlepageiscoverpagefalse
19793       \noexpand\let\noexpand\tITLEPAGE@restore\noexpand\relax
19794     }%
19795     \begin{group}
19796       \topmargin=\dimexpr \coverpagetopmargin-1in\relax
19797       \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
19798       \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
19799       \textwidth=\dimexpr
19800       \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
19801       \textheight=\dimexpr
19802       \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
19803       \headheight=0pt
19804       \headsep=0pt
19805       \footskip=\baselineskip
19806       \@colht=\textheight
19807       \@colroom=\textheight
19808       \vsizethe\textheight
19809       \columnwidth=\textwidth
19810       \hsizethe\columnwidth
19811       \linewidth=\hsizethe
19812     \else
19813       \let\tITLEPAGE@restore\relax
19814     \fi
19815     \let\footnotesize\small
19816     \let\right@footnoterule\relax
19817     \let\left@footnoterule\relax
19818     \let\textwidth@footnoterule\relax
19819     \let\footnote\thanks
19820     \let\LTRfootnote\LTRthanks
19821     \let\RTLfootnote\RTLthanks
19822     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19823     \let\@oldmakefnmark\@makefnmark
19824     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
19825     \ifx\@extratitle\@empty
19826       \ifx\@frontispiece\@empty

```



```

19827         \else
19828             \if@twoside\mbox{}\next@tpage\fi
19829             \noindent\@frontispiece\next@tdpage
19830         \fi
19831     \else
19832         \noindent\@extratitle
19833         \ifx\@frontispiece\@empty
19834             \else
19835                 \next@tpage
19836                 \noindent\@frontispiece
19837             \fi
19838             \next@tdpage
19839         \fi
19840         \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
19841         \ifx\@titlehead\@empty \else
19842             \begin{minipage}[t]{\textwidth}%
19843                 \usekomafont{titlehead}{\@titlehead\par}%
19844             \end{minipage}\par
19845         \fi
19846         \null\vfill
19847         \begin{center}
19848             \ifx\@subject\@empty \else
19849                 {\usekomafont{subject}{\@subject\par}}%
19850                 \vskip 3em
19851             \fi
19852             {\usekomafont{title}{\huge \@title\par}}%
19853             \vskip 1em
19854             {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
19855             \vskip 2em
19856             {%
19857                 \usekomafont{author}{%
19858                     \lineskip 0.75em
19859                     \begin{tabular}[t]{c}
19860                         \@author
19861                     \end{tabular}\par
19862                 }%
19863             }%
19864             \vskip 1.5em
19865             {\usekomafont{date}{\@date \par}}%
19866             \vskip \z@ \@plus3fill
19867             {\usekomafont{publishers}{\@publishers \par}}%
19868             \vskip 3em
19869         \end{center}\par
19870         \@thanks\global\let\@thanks\@empty
19871         \vfill\null
19872         \if@twoside
19873             \@tempswatrue
19874             \expandafter\ifnum \@nameuse{scr@v03.12}>\scr@compatibility\relax
19875             \else
19876                 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
19877                     \@tempswafalse
19878                 \fi\fi
19879             \fi
19880             \if@tempswa

```



```

19881         \next@tpage
19882         \begin{minipage}[t]{\textwidth}
19883             \@uppertitleback
19884         \end{minipage}\par
19885         \vfill
19886         \begin{minipage}[b]{\textwidth}
19887             \@lowertitleback
19888         \end{minipage}\par
19889         \@thanks\global\let\@thanks\@empty
19890     \fi
19891 \else
19892     \ifx\@uppertitleback\@empty\else
19893         \ClassWarning{\KOMAClassName}{%
19894             non empty \string\uppertitleback\space ignored
19895             by \string\maketitle\MessageBreak
19896             in `twoside=false' mode%
19897         }%
19898     \fi
19899     \ifx\@lowertitleback\@empty\else
19900         \ClassWarning{\KOMAClassName}{%
19901             non empty \string\lowertitleback\space ignored
19902             by \string\maketitle\MessageBreak
19903             in `twoside=false' mode%
19904         }%
19905     \fi
19906 \fi
19907 \ifx\@dedication\@empty
19908 \else
19909     \next@tdpage\null\vfill
19910     {\centering\usekomafont{dedication}{\@dedication \par}}%
19911     \vskip \z@ \@plus3fill
19912     \@thanks\global\let\@thanks\@empty
19913     \cleardoubleemptypage
19914 \fi
19915 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
19916 \end{titlepage}
19917 \else
19918     \par
19919     \@tempcnta=%
19920     #1%
19921     \relax\ifnum\@tempcnta=1\else
19922         \ClassWarning{\KOMAClassName}{%
19923             Optional argument of \string\maketitle\space ignored\MessageBreak
19924             in `titlepage=false' mode%
19925         }%
19926     \fi
19927     \ifx\@uppertitleback\@empty\else
19928         \ClassWarning{\KOMAClassName}{%
19929             non empty \string\uppertitleback\space ignored
19930             by \string\maketitle\MessageBreak
19931             in `titlepage=false' mode%
19932         }%
19933     \fi
19934     \ifx\@lowertitleback\@empty\else

```



```

19935 \ClassWarning{\KOMAClassName}{%
19936 non empty \string\lowertitleback\space ignored
19937 by \string\maketitle\MessageBreak
19938 in `titlepage=false' mode%
19939 }%
19940 \fi
19941 \begingroup
19942 \let\titlepage@restore\relax
19943 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19944 \let\@oldmakefnmark\@makefnmark
19945 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
19946 \next@tdpage
19947 \if@twocolumn
19948 \ifnum \col@number=\@one
19949 \ifx\@extratitle\@empty
19950 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19951 \else
19952 \@makeextratitle
19953 \fi
19954 \ifx\@frontispiece\@empty
19955 \ifx\@extratitle\@empty\else\next@tdpage\fi
19956 \else
19957 \next@tpage
19958 \@makefrontispiece
19959 \next@tdpage
19960 \fi
19961 \@maketitle
19962 \else
19963 \ifx\@extratitle\@empty
19964 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19965 \else
19966 \twocolumn[\@makeextratitle]%
19967 \fi
19968 \ifx\@frontispiece\@empty
19969 \ifx\@extratitle\@empty\else\next@tdpage\fi
19970 \else
19971 \next@tpage
19972 \twocolumn[\@makefrontispiece]%
19973 \next@tdpage
19974 \fi
19975 \twocolumn[\@maketitle]%
19976 \fi
19977 \else
19978 \ifx\@extratitle\@empty
19979 \ifx\@frontispiece\@empty\else \mbox{}\fi
19980 \else
19981 \@makeextratitle
19982 \fi
19983 \ifx\@frontispiece\@empty
19984 \ifx\@extratitle\@empty\else\next@tdpage\fi
19985 \else
19986 \next@tpage
19987 \@makefrontispiece
19988 \next@tdpage

```



```

19989         \fi
19990         \@maketitle
19991     \fi
19992     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
19993     \@thanks\global\let\@thanks\@empty
19994 \endgroup
19995 \fi
19996 \setcounter{footnote}{0}%
19997 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
19998     \let\thanks\relax
19999     \let\LTRthanks\relax
20000     \let\RTLthanks\relax
20001     \let\maketitle\relax
20002     \let\@maketitle\relax
20003     \global\let\@thanks\@empty
20004     \global\let\@author\@empty
20005     \global\let\@date\@empty
20006     \global\let\@title\@empty
20007     \global\let\@subtitle\@empty
20008     \global\let\@extratitle\@empty
20009     \global\let\@frontispiece\@empty
20010     \global\let\@titlehead\@empty
20011     \global\let\@subject\@empty
20012     \global\let\@publishers\@empty
20013     \global\let\@uppertitleback\@empty
20014     \global\let\@lowertitleback\@empty
20015     \global\let\@dedication\@empty
20016     \global\let\author\relax
20017     \global\let\title\relax
20018     \global\let\extratitle\relax
20019     \global\let\titlehead\relax
20020     \global\let\subject\relax
20021     \global\let\publishers\relax
20022     \global\let\uppertitleback\relax
20023     \global\let\lowertitleback\relax
20024     \global\let\dedication\relax
20025     \global\let\date\relax
20026 \fi
20027 \global\let\and\relax
20028 }%
20029 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
20030 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
20031 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
20032 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
20033 \renewcommand*{\thesubsubsection}{%
20034     \thesubsection\@SepMark\@arabic\c@subsubsection
20035 }
20036 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20037 \renewcommand*{\thesubparagraph}{%
20038     \theparagraph\@SepMark\@arabic\c@subparagraph
20039 }
20040 \renewenvironment{thebibliography}[1]{%
20041     \if@bib@break@
20042     \bib@beginhook

```




```

20043 \else
20044   \bib@heading
20045   \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
20046     \noindent\bibpreamble\par\nobreak
20047   \fi\fi
20048   \bib@beginhook
20049   \bib@before@hook
20050 \fi
20051 \renewcommand{\BreakBibliography}[1]{%
20052   \@bib@break
20053   \end{thebibliography}%
20054   \begingroup ##1\endgroup
20055   \begin{thebibliography}{#1}
20056 }%
20057 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20058 \bidi@thebibliography@font@hook%
20059 \list{%
20060   \@biblabel{\@arabic\c@enumiv}%
20061 }{%
20062   \settowidth\labelwidth{\@biblabel{#1}}%
20063   \leftmargin\labelwidth
20064   \advance\leftmargin\labelsep
20065   \@openbib@code
20066   \if@bib@break@
20067     \edef\@tempa{%
20068       \noexpand\usecounter{enumiv}%
20069       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
20070     }\@tempa
20071     \no@bib@break
20072   \else
20073     \usecounter{enumiv}%
20074   \fi
20075   \let\p@enumiv\@empty
20076   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
20077 }%
20078 \sloppy\clubpenalty4000 \widowpenalty4000
20079 \sfcode`\.\=\@m
20080 }{%
20081 \if@bib@break@
20082   \def\@noitemerr{%
20083     \@latex@warning{%
20084       \string\BreakBibliography\space at begin of `thebibliography'
20085       environment\MessageBreak
20086       or following \string\BreakBibliography}%
20087   }%
20088 \else
20089   \def\@noitemerr{%
20090     \@latex@warning{%
20091       Empty `thebibliography' environment or
20092       \string\BreakBibliography\MessageBreak
20093       before end of `thebibliography' environment}%
20094   }%
20095 \fi
20096 \endlist

```



```

20097 \if@bib@break@
20098 \else
20099 \bib@after@hook
20100 \let\bib@before@hook\@empty
20101 \let\bib@after@hook\@empty
20102 \fi
20103 \bib@endhook
20104 }
20105 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
20106 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
20107 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
20108 \renewcommand\marginline[1]{%
20109 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
20110 }
20111 \renewcommand{\@@makecaption}[3]{%
20112 \cap@margin
20113 \begingroup
20114 \ifonelinecaptions
20115 \def\stepcounter##1{\advance\value{##1}\@ne}%
20116 \let\refstepcounter\stepcounter
20117 \let\label\@gobble
20118 \let\@footnotetext=\@gobble
20119 \let\@LTRfootnotetext=\@gobble
20120 \let\@RTLfootnotetext=\@gobble
20121 \let\hypertarget\@gobbletwo
20122 \edef\xnewline{%
20123 \unexpanded{\ClassInfo{\KOMAClassName}{%
20124 Workaround for not recommended usage of \string\\ or\MessageBreak
20125 \string\newline in caption text
20126 }%
20127 \hspace*{\linewidth}\hspace{1sp}%
20128 }%
20129 \unexpanded\expandafter{\xnewline}%
20130 }%
20131 \edef\@xcentercr{%
20132 \unexpanded{\ClassInfo{\KOMAClassName}{%
20133 Workaround for not recommended usage of \string\\ or\MessageBreak
20134 \string\newline in caption text
20135 }%
20136 \hspace*{\linewidth}\hspace{1sp}%
20137 }%
20138 \unexpanded\expandafter{\@xcentercr}%
20139 }%
20140 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
20141 \ifdim\@tempdima>\cap@width
20142 \aftergroup\scr@makemultilinecaption
20143 \else
20144 \aftergroup\scr@makesinglelinecaption
20145 \fi
20146 \else
20147 \aftergroup\scr@makemultilinecaption
20148 \fi
20149 \endgroup
20150 {#1}{#2}{#3}%

```



```

20151 }
20152 \renewcommand{\scr@makesinglelinecaption}[3]{%
20153   {%
20154     \usefontofkomafont{caption}{%
20155       \hb@xt@{hsize}{%
20156         \cap@left
20157         \if@RTL
20158         \beginR
20159         \fi
20160         \scr@makesinglelinecaption{#1}{#2}{#3}%
20161         \if@RTL
20162         \endR
20163         \fi
20164         \cap@right
20165       }\par\kern\dp\strutbox%
20166     }%
20167   }\kern-\dp\strutbox
20168 }
20169 \renewcommand{\@makecaption}[2]{%
20170   \if@captionabove
20171     \vskip\belowcaptionskip
20172   \else
20173     \vskip\abovecaptionskip
20174   \fi
20175   \@makecaption\@firstofone{#1}{#2}%
20176   \if@captionabove
20177     \vskip\abovecaptionskip
20178   \else
20179     \vskip\belowcaptionskip
20180   \fi
20181 }
20182
20183 \renewcommand{\scr@makesinglelinecaption}[3]{%
20184   {\usekomafont{caption}{\strut\ignorespaces
20185     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
20186     \ignorespaces #3\unskip}}%
20187 }
20188
20189 \renewcommand{\scr@makemultilinecaption}[3]{%
20190   {%
20191     \usefontofkomafont{caption}{%
20192       \hb@xt@{hsize}{%
20193         \cap@left
20194         \vbox{\hsize\cap@width\linewidth\hsize
20195           \scr@ifundefinedorrelax{@cptype}{%
20196             \ClassWarning{KOMAClassName}{%
20197               '\string\caption' outside float.\MessageBreak
20198               Seems you are using '\string\caption' outside a
20199               float.\MessageBreak
20200               Maybe you are using a package that uses
20201               '\string\@makecaption'\MessageBreak
20202               without setting '\string@cptype' before.\MessageBreak
20203               Because I cannot detect the caption type, I'm using\MessageBreak
20204               the empty one.%

```



```

20205         }%
20206         \let\@captype\@empty
20207     }{}%
20208     \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
20209         \@nameuse{ragged\@captype caption}%
20210     }%
20211     \ifdofullc@p
20212         \@hangfrom{%
20213             \strut
20214             \scr@smashdp{%
20215                 #1{%
20216                     \usekomafont{caption}{%
20217                         \usekomafont{captionlabel}{#2\captionformat}%
20218                     }%
20219                 }%
20220             }%
20221         }%
20222         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20223     \else
20224         \ifdim\cap@indent<\z@
20225             \strut
20226             #1{%
20227                 {\usekomafont{caption}{%
20228                     \usekomafont{captionlabel}{#2\captionformat}%
20229                 }%
20230             }\par}%
20231             \noindent{{\usekomafont{caption}{%
20232                 \hspace*{-\cap@indent}#3\scr@endstrut
20233             }}\par}%
20234         \else
20235             \if@capbreak
20236                 \strut
20237                 #1{%
20238                     {\usekomafont{caption}{%
20239                         \usekomafont{captionlabel}{#2\captionformat}%
20240                     }%
20241                 }\par}%
20242                 \noindent\@hangfrom{\hspace*{\cap@indent}}%
20243                 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20244             \else
20245                 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
20246                 {%
20247                     \hspace{-\cap@indent}%
20248                     \scr@smashdp{%
20249                         #1{\usekomafont{caption}{%
20250                             \usekomafont{captionlabel}{#2\captionformat}%
20251                         }%
20252                     }%
20253                 }%
20254                 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20255             }%
20256         \fi
20257     \fi
20258 \fi

```



```

20259         }%
20260         \cap@right
20261     }\par\kern\dp\strutbox
20262     }%
20263 }\kern-\dp\strutbox
20264 }
20265
20266 \bidi@AfterFile{longtable-xetex-bidi.def}{%
20267   \if@komalongtable
20268     \renewcommand{\LT@makecaption}[3]{%
20269       \noalign{%
20270         \if@captionabove
20271           \vskip\belowcaptionskip
20272         \else
20273           \vskip\abovecaptionskip
20274         \fi
20275       }%
20276       \LT@mc\LT@cols c{%
20277         \hbox to\z@{\hss\parbox[t]{\linewidth{%
20278           \def\@capytype{table}%
20279           \@makecaption{#1}{#2}{#3}%
20280           \endgraf
20281           \if@captionabove
20282             \vskip\abovecaptionskip
20283           \else
20284             \vskip\belowcaptionskip
20285           \fi
20286         }%
20287         \hss
20288       }%
20289     }%
20290   }%
20291   \renewcommand*{\scr@LT@array}{}%
20292   \let\scr@LT@array=\LT@array
20293   \renewcommand*{\LT@array}{%
20294     \let\scr@caption=\LT@caption
20295     \def\captionabove{\noalign{\global\@captionabovetrue}%
20296       \scr@caption}%
20297     \def\captionbelow{\noalign{\global\@captionabovetrue}%
20298       \scr@caption}%
20299     \if@tablecaptionabove
20300       \let\LT@caption=\captionabove
20301     \else
20302       \let\LT@caption=\captionbelow
20303     \fi
20304     \scr@LT@array
20305   }%
20306   \ClassInfo{\KOMAClassName}{%
20307     longtable captions redefined%
20308   }%
20309 \fi
20310 }
20311
20312 \CloneTOCEntryStyle{tocline}{part}

```



```

20313 \TOCEntryStyleStartInitCode{part}{%
20314   \expandafter\renewcommand%
20315   \csname scr@tso@#1@linefill\endcsname{\hfill}%
20316   \expandafter\renewcommand%
20317   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
20318   \expandafter\renewcommand%
20319   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20320     {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
20321   \expandafter\renewcommand\expandafter*%
20322   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
20323 }
20324
20325 \CloneTOCEntryStyle{tocline}{section}
20326 \TOCEntryStyleStartInitCode{section}{%
20327   \expandafter\renewcommand%
20328   \csname scr@tso@#1@linefill\endcsname{%
20329     \if@sectionentrywithdots
20330       {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
20331     \else
20332       \hfill
20333     \fi
20334   }%
20335   \expandafter\renewcommand%
20336   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
20337   \expandafter\renewcommand%
20338   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
20339   \expandafter\renewcommand\expandafter*%
20340   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
20341 }
20342
20343 \CloneTOCEntryStyle{tocline}{subsection}
20344 \TOCEntryStyleStartInitCode{subsection}{%
20345   \expandafter\renewcommand%
20346   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20347   \expandafter\renewcommand%
20348   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20349     {\normalfont\normalcolor ##1}}%
20350 }
20351
20352 \CloneTOCEntryStyle{subsection}{default}
20353
20354 \DeclareSectionCommand[%
20355   style=section,%
20356   level=1,%
20357   indent=\z@,%
20358   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
20359   afterskip=2.3ex \@plus.2ex,%
20360   tocstyle=section,%
20361   tocindent=0pt,%
20362   tocnumwidth=1.5em%
20363 ]{section}
20364 \DeclareSectionCommand[%
20365   style=part,%
20366   level=\z@,%

```



```

20367   tocstyle=part,%
20368   toplevel=\m@ne,%
20369   tocindent=\z@,%
20370   tocnumwidth=2em%
20371 ]{part}
20372 \DeclareSectionCommand[%
20373   style=section,%
20374   level=2,%
20375   indent=\z@,%
20376   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20377   afterskip=1.5ex \@plus .2ex,%
20378   tocstyle=subsection,%
20379   tocindent=1.5em,%
20380   tocnumwidth=2.3em%
20381 ]{subsection}
20382 \DeclareSectionCommand[%
20383   style=section,%
20384   level=3,%
20385   indent=\z@,%
20386   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20387   afterskip=1.5ex \@plus .2ex,%
20388   tocstyle=subsection,%
20389   tocindent=3.8em,%
20390   tocnumwidth=3.2em%
20391 ]{subsubsection}
20392 \DeclareSectionCommand[%
20393   style=section,%
20394   level=4,%
20395   indent=\z@,%
20396   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
20397   afterskip=-1em,%
20398   tocstyle=subsection,%
20399   tocindentfollows=subsubsection,%
20400   tocindent=7.0em,%
20401   tocnumwidth=4.1em%
20402 ]{paragraph}
20403 \DeclareSectionCommand[%
20404   style=section,%
20405   level=5,%
20406   indent=\scr@parindent,%
20407   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
20408   afterskip=-1em,%
20409   tocstyle=subsection,%
20410   tocindent=10em,%
20411   tocnumwidth=5em%
20412 ]{subparagraph}

```

142 File scrbook-xetex-bidi.def

```

20413 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
20414 \newcommand{\scr@saved@LTRfootnotetext}{}
20415 \newcommand{\scr@saved@RTLfootnotetext}{}
20416 \let\scr@saved@footnotetext\@footnotetext
20417 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext

```



```

20418 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
20419 \renewcommand{\@footnotetext}[1]{%
20420   \scr@saved@footnotetext{#1}%
20421   \csname FN@mfb@prepare\endcsname
20422 }
20423 \renewcommand{\@LTRfootnotetext}[1]{%
20424   \scr@saved@LTRfootnotetext{#1}%
20425   \csname FN@mfb@prepare\endcsname
20426 }
20427 \renewcommand{\@RTLfootnotetext}[1]{%
20428   \scr@saved@RTLfootnotetext{#1}%
20429   \csname FN@mfb@prepare\endcsname
20430 }
20431 \renewcommand\deffootnote[4][1]{%
20432   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
20433     \long\def\@makefntext##1{%
20434       \ExecuteDoHook{footnote/text/begin}%
20435       \raggedfootnote
20436       \if@RTL
20437         \rightskip
20438       \else
20439         \leftskip
20440       \fi
20441       #2
20442       \l@addto@macro\@trivlist{%
20443         \ifnum\@listdepth=\@ne\advance
20444           \if@RTL
20445             \rightmargin #2\relax
20446           \else
20447             \leftmargin #2\relax
20448           \fi
20449         \fi
20450       }%
20451       \parindent #3\noindent
20452       \IfArgIsEmpty{#1}{\relax}{%
20453         \hskip \dimexpr #1-#2\relax
20454       }%
20455       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20456       \ExecuteDoHook{footnote/text/end}%
20457     }%
20458   \else
20459     \ClassInfo{\KOMAClassName}{%
20460       Using old \string\@makefntext\space due to compatibility
20461       level\MessageBreak
20462       less than 3.22}%
20463     \long\def\@makefntext##1{%
20464       \setlength{\@tempdimc}{#3}%
20465       \def\@tempa{#1}\ifx\@tempa\@empty
20466         \@setpar{\@par
20467           \@tempdima = \hsize
20468           \addtolength{\@tempdima}{-#2}%
20469           \if@RTL
20470             \parshape \@ne \z@ \@tempdima
20471           \else

```




```

20472         \parshape \@ne #2 \@tempdima
20473         \fi
20474     }%
20475 \else
20476     \addtolength{\@tempdimc}{#2}%
20477     \addtolength{\@tempdimc}{-#1}%
20478     \@setpar{\@par
20479         \@tempdima = \hsize
20480         \addtolength{\@tempdima}{-#1}%
20481         \@tempdimb = \hsize
20482         \addtolength{\@tempdimb}{-#2}%
20483         \ifRTL
20484             \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
20485         \else
20486             \parshape \tw@ #1 \@tempdima #2 \@tempdimb
20487         \fi
20488     }%
20489 \fi
20490 \par
20491 \parindent\@tempdimc\noindent
20492 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20493 }%
20494 \fi
20495 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
20496 }
20497 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
20498 \renewcommand*\left@footnoterule{%
20499     \normalsize\ftn@rule@test@values
20500     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
20501     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20502     {\usekomafont{footnoterule}{%
20503         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
20504     \kern 2.6\p@}
20505 \renewcommand*\right@footnoterule{%
20506     \normalsize\ftn@rule@test@values
20507     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
20508     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20509     {\usekomafont{footnoterule}{%
20510         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
20511         \kern 2.6\p@}
20512 \renewcommand*\maketitle[1][1]{%
20513     \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
20514     \else
20515         \def\and{%
20516             \end{tabular}%
20517             \hskip 1em \@plus.17fil%
20518             \begin{tabular}[t]{c}%
20519         }%
20520     \fi
20521 \if@titlepage
20522     \begin{titlepage}
20523         \setcounter{page}{%
20524             #1%
20525         }%

```



```

20526 \if@titlepageiscoverpage
20527 \edef\titlename@restore{%
20528 \noexpand\endgroup
20529 \noexpand\global\noexpand\@colht\the\@colht
20530 \noexpand\global\noexpand\@colroom\the\@colroom
20531 \noexpand\global\vsizethe\vsizethe
20532 \noexpand\global\noexpand\@titlepageiscoverpagefalse
20533 \noexpand\let\noexpand\titlename@restore\noexpand\relax
20534 }%
20535 \beginngroup
20536 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
20537 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
20538 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
20539 \textwidth=\dimexpr
20540 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
20541 \textheight=\dimexpr
20542 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
20543 \headheight=0pt
20544 \headsep=0pt
20545 \footskip=\baselineskip
20546 \@colht=\textheight
20547 \@colroom=\textheight
20548 \vsizethe=\textheight
20549 \columnwidth=\textwidth
20550 \hsize=\columnwidth
20551 \linewidth=\hsize
20552 \else
20553 \let\titlename@restore\relax
20554 \fi
20555 \let\footnotesize\small
20556 \let\right@footnoterule\relax
20557 \let\left@footnoterule\relax
20558 \let\textwidth@footnoterule\relax
20559 \let\footnote\thanks
20560 \let\LTRfootnote\LTRthanks
20561 \let\RTLfootnote\RTLthanks
20562 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20563 \let\oldmakefnmark\makefnmark
20564 \renewcommand*{\@makefnmark}{\rlap{\oldmakefnmark}}%
20565 \ifx\extratitle\empty
20566 \ifx\frontispiece\empty
20567 \else
20568 \if@twoside\mbox{}\next@tpage\fi
20569 \noindent\@frontispiece\next@tdpage
20570 \fi
20571 \else
20572 \noindent\extratitle
20573 \ifx\frontispiece\empty
20574 \else
20575 \next@tpage
20576 \noindent\@frontispiece
20577 \fi
20578 \next@tdpage
20579 \fi

```



```

20580 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
20581 \ifx\@titlehead\@empty \else
20582   \begin{minipage}[t]{\textwidth}%
20583     \usekomafont{titlehead}{\@titlehead\par}%
20584   \end{minipage}\par
20585 \fi
20586 \null\vfill
20587 \begin{center}
20588   \ifx\@subject\@empty \else
20589     {\usekomafont{subject}{\@subject\par}}%
20590     \vskip 3em
20591   \fi
20592   {\usekomafont{title}{\huge \@title\par}}%
20593   \vskip 1em
20594   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
20595   \vskip 2em
20596   {%
20597     \usekomafont{author}{%
20598       \lineskip 0.75em
20599       \begin{tabular}[t]{c}
20600         \@author
20601       \end{tabular}\par
20602     }%
20603   }%
20604   \vskip 1.5em
20605   {\usekomafont{date}{\@date \par}}%
20606   \vskip \z@ \@plus3fill
20607   {\usekomafont{publishers}{\@publishers \par}}%
20608   \vskip 3em
20609 \end{center}\par
20610 \@thanks\global\let\@thanks\@empty
20611 \vfill\null
20612 \if@twoside
20613   \@tempswatrue
20614   \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
20615   \else
20616     \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
20617       \@tempswafalse
20618     \fi\fi
20619   \fi
20620   \if@tempswa
20621     \next@tpage
20622     \begin{minipage}[t]{\textwidth}
20623       \@uppertitleback
20624     \end{minipage}\par
20625     \vfill
20626     \begin{minipage}[b]{\textwidth}
20627       \@lowertitleback
20628     \end{minipage}\par
20629     \@thanks\global\let\@thanks\@empty
20630   \fi
20631 \else
20632   \ifx\@uppertitleback\@empty\else
20633     \ClassWarning{\KOMAClassName}{%

```



```

20634         non empty \string\uppertitleback\space ignored
20635         by \string\maketitle\MessageBreak
20636         in `twoside=false' mode%
20637     }%
20638 \fi
20639 \ifx\@lowertitleback\@empty\else
20640     \ClassWarning{\KOMAClassName}{%
20641         non empty \string\lowertitleback\space ignored
20642         by \string\maketitle\MessageBreak
20643         in `twoside=false' mode%
20644     }%
20645 \fi
20646 \fi
20647 \ifx\@dedication\@empty
20648 \else
20649     \next@tdpage\null\vfill
20650     {\centering\usekomafont{dedication}{\@dedication \par}}%
20651     \vskip \z@ \@plus3fill
20652     \@thanks\global\let\@thanks\@empty
20653     \cleardoubleemptypage
20654 \fi
20655 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
20656 \end{titlepage}
20657 \else
20658     \par
20659     \@tempcnta=%
20660     #1%
20661     \relax\ifnum\@tempcnta=1\else
20662         \ClassWarning{\KOMAClassName}{%
20663             Optional argument of \string\maketitle\space ignored\MessageBreak
20664             in `titlepage=false' mode%
20665         }%
20666     \fi
20667 \ifx\@uppertitleback\@empty\else
20668     \ClassWarning{\KOMAClassName}{%
20669         non empty \string\uppertitleback\space ignored
20670         by \string\maketitle\MessageBreak
20671         in `titlepage=false' mode%
20672     }%
20673 \fi
20674 \ifx\@lowertitleback\@empty\else
20675     \ClassWarning{\KOMAClassName}{%
20676         non empty \string\lowertitleback\space ignored
20677         by \string\maketitle\MessageBreak
20678         in `titlepage=false' mode%
20679     }%
20680 \fi
20681 \beginngroup
20682     \let\titlepage@restore\relax
20683     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20684     \let\@oldmakefnmark\@makefnmark
20685     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
20686     \next@tdpage
20687     \if@twocolumn

```



```

20688 \ifnum \col@number=\@ne
20689 \ifx\@extratitle\@empty
20690 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20691 \else
20692 \@makeextratitle
20693 \fi
20694 \ifx\@frontispiece\@empty
20695 \ifx\@extratitle\@empty\else\next@tdpage\fi
20696 \else
20697 \next@tpage
20698 \@makefrontispiece
20699 \next@tdpage
20700 \fi
20701 \@maketitle
20702 \else
20703 \ifx\@extratitle\@empty
20704 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20705 \else
20706 \twocolumn[\@makeextratitle]%
20707 \fi
20708 \ifx\@frontispiece\@empty
20709 \ifx\@extratitle\@empty\else\next@tdpage\fi
20710 \else
20711 \next@tpage
20712 \twocolumn[\@makefrontispiece]%
20713 \next@tdpage
20714 \fi
20715 \twocolumn[\@maketitle]%
20716 \fi
20717 \else
20718 \ifx\@extratitle\@empty
20719 \ifx\@frontispiece\@empty\else \mbox{}\fi
20720 \else
20721 \@makeextratitle
20722 \fi
20723 \ifx\@frontispiece\@empty
20724 \ifx\@extratitle\@empty\else\next@tdpage\fi
20725 \else
20726 \next@tpage
20727 \@makefrontispiece
20728 \next@tdpage
20729 \fi
20730 \@maketitle
20731 \fi
20732 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
20733 \@thanks\global\let\@thanks\@empty
20734 \endgroup
20735 \fi
20736 \setcounter{footnote}{0}%
20737 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
20738 \let\thanks\relax
20739 \let\LTRthanks\relax
20740 \let\RTLthanks\relax
20741 \let\maketitle\relax

```



```

20742 \let\@maketitle\relax
20743 \global\let\@thanks\@empty
20744 \global\let\@author\@empty
20745 \global\let\@date\@empty
20746 \global\let\@title\@empty
20747 \global\let\@subtitle\@empty
20748 \global\let\@extratitle\@empty
20749 \global\let\@frontispiece\@empty
20750 \global\let\@titlehead\@empty
20751 \global\let\@subject\@empty
20752 \global\let\@publishers\@empty
20753 \global\let\@uppertitleback\@empty
20754 \global\let\@lowertitleback\@empty
20755 \global\let\@dedication\@empty
20756 \global\let\author\relax
20757 \global\let\title\relax
20758 \global\let\extratitle\relax
20759 \global\let\titlehead\relax
20760 \global\let\subject\relax
20761 \global\let\publishers\relax
20762 \global\let\uppertitleback\relax
20763 \global\let\lowertitleback\relax
20764 \global\let\dedication\relax
20765 \global\let\date\relax
20766 \fi
20767 \global\let\and\relax
20768 }%
20769 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
20770 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
20771 \renewcommand*\thesection{%
20772 \expandafter\ifnum\scr@v@is@gt{2.97d}%
20773 \if@mainmatter\thechapter\@SepMark\fi
20774 \else
20775 \thechapter\@SepMark%
20776 \fi
20777 \@arabic\c@section
20778 }
20779 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
20780 \renewcommand*{\thesubsubsection}{%
20781 \thesubsection\@SepMark\@arabic\c@subsubsection
20782 }
20783 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20784 \renewcommand*{\thesubparagraph}{%
20785 \theparagraph\@SepMark\@arabic\c@subparagraph
20786 }
20787 \expandafter\ifnum\scr@v@is@le{2.97d}%
20788 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
20789 \fi
20790 \expandafter\ifnum\scr@v@is@le{2.97d}%
20791 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
20792 \fi
20793 \renewcommand*{\theequation}{%
20794 \expandafter\ifnum\scr@v@is@gt{2.97d}%
20795 \if@mainmatter\thechapter\@SepMark\fi

```



```

20796 \else
20797 \thechapter\@SepMark%
20798 \fi
20799 \@arabic\c@equation
20800 }
20801 \renewenvironment{thebibliography}[1]{%
20802 \if@bib@break@
20803 \bib@beginhook
20804 \else
20805 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
20806 \setchapterpreamble{\bibpreamble}%
20807 \fi\fi
20808 \bib@heading
20809 \bib@beginhook
20810 \bib@before@hook
20811 \fi
20812 \renewcommand{\BreakBibliography}[1]{%
20813 \@bib@break
20814 \end{thebibliography}%
20815 \begingroup ##1\endgroup
20816 \begin{thebibliography}{#1}
20817 }%
20818 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
20819 \bidi@thebibliography@font@hook%
20820 \list{%
20821 \@biblabel{\@arabic\c@enumiv}%
20822 }{%
20823 \settowidth\labelwidth{\@biblabel{#1}}%
20824 \leftmargin\labelwidth
20825 \advance\leftmargin\labelsep
20826 \@openbib@code
20827 \if@bib@break@
20828 \edef\@tempa{%
20829 \noexpand\usecounter{enumiv}%
20830 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
20831 }\@tempa
20832 \no@bib@break
20833 \else
20834 \usecounter{enumiv}%
20835 \fi
20836 \let\p@enumiv\@empty
20837 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
20838 }%
20839 \sloppy\clubpenalty4000 \widowpenalty4000
20840 \sfcode`\.=\@m
20841 }{%
20842 \if@bib@break@
20843 \def\@noitemerr{%
20844 \@latex@warning{%
20845 \string\BreakBibliography\space at begin of `thebibliography'
20846 environment\MessageBreak
20847 or following \string\BreakBibliography}%
20848 }%
20849 \else

```



```

20850 \def\@noitemerr{%
20851 \latex@warning{%
20852 Empty `thebibliography' environment or
20853 \string\BreakBibliography\MessageBreak
20854 before end of `thebibliography' environment}%
20855 }%
20856 \fi
20857 \endlist
20858 \if@bib@break@
20859 \else
20860 \bib@after@hook
20861 \let\bib@before@hook\@empty
20862 \let\bib@after@hook\@empty
20863 \fi
20864 \bib@endhook
20865 }
20866 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
20867 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
20868 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
20869 \renewcommand\marginline[1]{%
20870 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}
20871 }
20872 \renewcommand{\@makecaption}[3]{%
20873 \cap@margin
20874 \begingroup
20875 \ifonelinecaptions
20876 \def\stepcounter##1{\advance\value{##1}\@ne}%
20877 \let\refstepcounter\stepcounter
20878 \let\label\@gobble
20879 \let\@footnotetext=\@gobble
20880 \let\@LTRfootnotetext=\@gobble
20881 \let\@RTLfootnotetext=\@gobble
20882 \let\hypertarget\@gobbletwo
20883 \edef\@xnewline{%
20884 \unexpanded{\ClassInfo{\KOMAClassName}{%
20885 Workaround for not recommended usage of \string\\ or\MessageBreak
20886 \string\newline in caption text
20887 }%
20888 \hspace*{\linewidth}\hspace{1sp}%
20889 }%
20890 \unexpanded\expandafter{\@xnewline}%
20891 }%
20892 \edef\@xcentercr{%
20893 \unexpanded{\ClassInfo{\KOMAClassName}{%
20894 Workaround for not recommended usage of \string\\ or\MessageBreak
20895 \string\newline in caption text
20896 }%
20897 \hspace*{\linewidth}\hspace{1sp}%
20898 }%
20899 \unexpanded\expandafter{\@xcentercr}%
20900 }%
20901 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
20902 \ifdim\@tempdima>\cap@width
20903 \aftergroup\scr@makemultilinecaption

```




```

20904         \else
20905         \aftergroup\scr@makesinglelinecaption
20906         \fi
20907     \else
20908     \aftergroup\scr@makemultilinecaption
20909     \fi
20910 \endgroup
20911 {#1}{#2}{#3}%
20912 }
20913 \renewcommand{\scr@makesinglelinecaption}[3]{%
20914     {%
20915         \usefontofkomafont{caption}{%
20916             \hb@xt@{\hsize{%
20917                 \cap@left
20918                 \if@RTL
20919                 \beginR
20920                 \fi
20921                 \scr@@makesinglelinecaption{#1}{#2}{#3}%
20922                 \if@RTL
20923                 \endR
20924                 \fi
20925                 \cap@right
20926             }\par\kern\dp\strutbox%
20927             }%
20928         }\kern-\dp\strutbox
20929     }
20930 \renewcommand{\@makecaption}[2]{%
20931     \if@captionabove
20932     \vskip\belowcaptionskip
20933     \else
20934     \vskip\abovecaptionskip
20935     \fi
20936     \@makecaption\@firstofone{#1}{#2}%
20937     \if@captionabove
20938     \vskip\abovecaptionskip
20939     \else
20940     \vskip\belowcaptionskip
20941     \fi
20942 }
20943
20944 \renewcommand{\scr@@makesinglelinecaption}[3]{%
20945     {\usekomafont{caption}{\strut\ignorespaces
20946         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
20947     \ignorespaces #3\unskip}}%
20948 }
20949
20950 \renewcommand{\scr@makemultilinecaption}[3]{%
20951     {%
20952         \usefontofkomafont{caption}{%
20953             \hb@xt@{\hsize{%
20954                 \cap@left
20955                 \vbox{\hsize\cap@width\linewidth\hsize
20956                     \scr@ifundefinedorrelax{@captype}{%
20957                         \ClassWarning{\KOMAClassName}{%

```



```

20958         '\string\caption' outside float.\MessageBreak
20959     Seems you are using '\string\caption' outside a
20960     float.\MessageBreak
20961     Maybe you are using a package that uses
20962     '\string\@makecaption'\MessageBreak
20963     without setting '\string\@captype' before.\MessageBreak
20964     Because I cannot detect the caption type, I'm using\MessageBreak
20965     the empty one.%
20966     }%
20967     \let\@captype\@empty
20968 }{}%
20969 \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
20970     \@nameuse{ragged\@captype caption}%
20971 }%
20972 \ifdofullc@p
20973     \@hangfrom{%
20974         \strut
20975         \scr@smashdp{%
20976             #1{%
20977                 \usekomafont{caption}{%
20978                     \usekomafont{captionlabel}{#2\captionformat}%
20979                 }%
20980             }%
20981         }%
20982     }%
20983     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20984 \else
20985     \ifdim\cap@indent<\z@
20986         \strut
20987         #1{%
20988             {\usekomafont{caption}{%
20989                 \usekomafont{captionlabel}{#2\captionformat}%
20990             }%
20991         }\par}%
20992         \noindent{{\usekomafont{caption}{%
20993             \hspace*{-\cap@indent}#3\scr@endstrut
20994         }}\par}%
20995     \else
20996         \if@capbreak
20997             \strut
20998             #1{%
20999                 {\usekomafont{caption}{%
21000                     \usekomafont{captionlabel}{#2\captionformat}%
21001                 }
21002             }\par}%
21003             \noindent\@hangfrom{\hspace*{\cap@indent}}%
21004             {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21005         \else
21006             \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
21007             {%
21008                 \hspace{-\cap@indent}%
21009                 \scr@smashdp{%
21010                     #1{\usekomafont{caption}{%
21011                         \usekomafont{captionlabel}{#2\captionformat}%

```



```

21012             }%
21013         }%
21014     }%
21015     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21016 }%
21017 \fi
21018 \fi
21019 \fi
21020 }%
21021 \cap@right
21022 }\par\kern\dp\strutbox
21023 }%
21024 }\kern-\dp\strutbox
21025 }
21026
21027
21028 \bidi@AfterFile{longtable-xetex-bidi.def}{%
21029 \if@komalongtable
21030 \renewcommand{LT@makecaption}[3]{%
21031 \noalign{%
21032 \if@captionabove
21033 \vskip\belowcaptionskip
21034 \else
21035 \vskip\abovecaptionskip
21036 \fi
21037 }%
21038 \LT@mcol\LT@cols c{%
21039 \hbox to\z@{\hss\parbox[t]{linewidth{%
21040 \def\@capytype{table}}%
21041 \@makecaption{#1}{#2}{#3}%
21042 \endgraf
21043 \if@captionabove
21044 \vskip\abovecaptionskip
21045 \else
21046 \vskip\belowcaptionskip
21047 \fi
21048 }%
21049 \hss
21050 }%
21051 }%
21052 }%
21053 \renewcommand*{\scr@LT@array}{}%
21054 \let\scr@LT@array=\LT@array
21055 \renewcommand*{\LT@array}{%
21056 \let\scr@caption=\LT@caption
21057 \def\captionabove{\noalign{\global\@captionabovetrue}%
21058 \scr@caption}%
21059 \def\captionbelow{\noalign{\global\@captionabovetrue}%
21060 \scr@caption}%
21061 \if@tablecaptionabove
21062 \let\LT@caption=\captionabove
21063 \else
21064 \let\LT@caption=\captionbelow
21065 \fi

```



```

21066 \scr@LT@array
21067 }%
21068 \ClassInfo{\KOMAClassName}{%
21069     longtable captions redefined%
21070 }%
21071 \fi
21072 }
21073
21074 \CloneTOCEntryStyle{tocline}{part}
21075 \TOCEntryStyleStartInitCode{part}{%
21076     \expandafter\renewcommand%
21077     \csname scr@tso@#1@linefill\endcsname{\hfill}%
21078     \expandafter\renewcommand%
21079     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
21080     \expandafter\renewcommand%
21081     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21082         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
21083     \expandafter\renewcommand\expandafter*%
21084     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
21085 }
21086
21087 \CloneTOCEntryStyle{tocline}{chapter}
21088 \TOCEntryStyleStartInitCode{chapter}{%
21089     \expandafter\renewcommand%
21090     \csname scr@tso@#1@linefill\endcsname{%
21091         \if@chapterentrywithdots
21092             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
21093         \else
21094             \hfill
21095         \fi
21096     }%
21097     \expandafter\renewcommand%
21098     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
21099     \expandafter\renewcommand%
21100     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21101         {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
21102     \expandafter\renewcommand\expandafter*%
21103     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
21104 }
21105
21106 \CloneTOCEntryStyle{tocline}{section}
21107 \TOCEntryStyleStartInitCode{section}{%
21108     \expandafter\renewcommand%
21109     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
21110     \expandafter\renewcommand%
21111     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21112         {\normalfont\normalcolor ##1}}%
21113 }
21114
21115 \CloneTOCEntryStyle{section}{default}
21116
21117 \DeclareSectionCommand[%
21118     style=chapter,%
21119     level=\z@,%

```



```

21120 pagestyle=plain,%
21121 tocstyle=chapter,%
21122 tocindent=\z@,%
21123 tocnumwidth=1.5em%
21124 ]{chapter}
21125 \DeclareSectionCommand[%
21126 style=section,%
21127 level=1,%
21128 indent=\z@,%
21129 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
21130 afterskip=2.3ex \@plus .2ex,%
21131 tocstyle=section,%
21132 tocindentfollows=chapter,%
21133 tocindent=1.5em,%
21134 tocnumwidth=2.3em%
21135 ]{section}
21136 \DeclareSectionCommand[%
21137 style=part,%
21138 level=\m@ne,%
21139 pagestyle=plain,%
21140 tocstyle=part,%
21141 toplevel=\m@ne,%
21142 tocindent=\z@,%
21143 tocnumwidth=2em%
21144 ]{part}
21145 \DeclareSectionCommand[%
21146 style=section,%
21147 level=2,%
21148 indent=\z@,%
21149 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
21150 afterskip=1.5ex \@plus .2ex,%
21151 tocstyle=section,%
21152 tocindent=3.8em,%
21153 tocnumwidth=3.2em%
21154 ]{subsection}
21155 \DeclareSectionCommand[%
21156 style=section,%
21157 level=3,%
21158 indent=\z@,%
21159 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
21160 afterskip=1.5ex \@plus .2ex,%
21161 tocstyle=section,%
21162 tocindent=7.0em,%
21163 tocnumwidth=4.1em%
21164 ]{subsubsection}
21165 \DeclareSectionCommand[%
21166 style=section,%
21167 level=4,%
21168 indent=\z@,%
21169 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
21170 afterskip=-1em,%
21171 tocindentfollows=subsubsection,%
21172 tocstyle=section,%
21173 tocindent=10em,%

```



```

21174   tocnumwidth=5em%
21175 ]{paragraph}
21176 \DeclareSectionCommand[%
21177   style=section,%
21178   level=5,%
21179   indent=\scr@parindent,%
21180   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
21181   afterskip=-1em,%
21182   tocstyle=section,%
21183   tocindent=12em,%
21184   tocnumwidth=6em%
21185 ]{subparagraph}

```

143 File `scrreprt-xetex-bidi.def`

```

21186 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
21187 \newcommand{\scr@saved@LTRfootnotetext}{}
21188 \newcommand{\scr@saved@RTLfootnotetext}{}
21189 \let\scr@saved@footnotetext\@footnotetext
21190 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21191 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21192 \renewcommand{\@footnotetext}[1]{%
21193   \scr@saved@footnotetext{#1}%
21194   \csname FN@mfb@prepare\endcsname
21195 }
21196 \renewcommand{\@LTRfootnotetext}[1]{%
21197   \scr@saved@LTRfootnotetext{#1}%
21198   \csname FN@mfb@prepare\endcsname
21199 }
21200 \renewcommand{\@RTLfootnotetext}[1]{%
21201   \scr@saved@RTLfootnotetext{#1}%
21202   \csname FN@mfb@prepare\endcsname
21203 }
21204 \renewcommand\deffootnote[4][]{%
21205   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
21206     \long\def\@makefntext##1{%
21207       \ExecuteDoHook{footnote/text/begin}%
21208       \raggedfootnote
21209       \if@RTL
21210         \rightskip
21211       \else
21212         \leftskip
21213       \fi
21214       #2
21215       \l@addto@macro\@trivlist{%
21216         \ifnum\@listdepth=\@ne
21217           \if@RTL
21218             \advance\rightmargin #2\relax
21219           \else
21220             \advance\leftmargin #2\relax
21221           \fi
21222         \fi
21223       }%
21224       \parindent #3\noindent

```



```

21225 \IfArgIsEmpty{#1}{}{%
21226 \hskip \dimexpr #1-#2\relax
21227 }%
21228 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21229 \ExecuteDoHook{footnote/text/end}%
21230 }%
21231 \else
21232 \ClassInfo{\KOMAClassName}{%
21233 Using old \string\@makefnmark\space due to compatibility
21234 level\MessageBreak
21235 less than 3.22}%
21236 \long\def\@makefnmark##1{%
21237 \setlength{\@tempdimc}{#3}%
21238 \def\@tempa{#1}\ifx\@tempa\@empty
21239 \setpar{\@par
21240 \@tempdima = \hsize
21241 \addtolength{\@tempdima}{-#2}%
21242 \if@RTL
21243 \parshape \@ne \z@ \@tempdima
21244 \else
21245 \parshape \@ne #2 \@tempdima
21246 \fi
21247 }%
21248 \else
21249 \addtolength{\@tempdimc}{#2}%
21250 \addtolength{\@tempdimc}{-#1}%
21251 \setpar{\@par
21252 \@tempdima = \hsize
21253 \addtolength{\@tempdima}{-#1}%
21254 \@tempdimb = \hsize
21255 \addtolength{\@tempdimb}{-#2}%
21256 \if@RTL
21257 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
21258 \else
21259 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
21260 \fi
21261 }%
21262 \fi
21263 \par
21264 \parindent\@tempdimc\noindent
21265 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21266 }%
21267 \fi
21268 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
21269 }
21270 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21271 \renewcommand*\left@footnoterule{%
21272 \normalsize\ftn@rule@test@values
21273 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21274 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21275 {\usekomafont{footnoterule}{%
21276 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21277 \kern 2.6\p@}
21278 \renewcommand*\right@footnoterule{%

```



```

21279 \normalsize\ftn@rule@test@values
21280 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21281 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21282 {\usekomafont{footnoterule}{%
21283     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
21284     \kern 2.6\p@}
21285 \renewcommand*\maketitle[1][1]{%
21286     \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21287     \else
21288         \def\and{%
21289             \end{tabular}%
21290             \hskip 1em \@plus.17fil%
21291             \begin{tabular}[t]{c}%
21292             }%
21293     \fi
21294     \if@titlepage
21295         \begin{titlepage}
21296             \setcounter{page}{%
21297                 #1%
21298             }%
21299             \if@titlepageiscoverpage
21300                 \edef\tITLEPAGE@restore{%
21301                     \noexpand\endgroup
21302                     \noexpand\global\noexpand\@colht\the\@colht
21303                     \noexpand\global\noexpand\@colroom\the\@colroom
21304                     \noexpand\global\vsizethe\vsizethe
21305                     \noexpand\global\noexpand\@titlepageiscoverpagefalse
21306                     \noexpand\let\noexpand\tITLEPAGE@restore\noexpand\relax
21307                 }%
21308                 \begingroup
21309                 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21310                 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21311                 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21312                 \textwidth=\dimexpr
21313                 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21314                 \textheight=\dimexpr
21315                 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21316                 \headheight=0pt
21317                 \headsep=0pt
21318                 \footskip=\baselineskip
21319                 \@colht=\textheight
21320                 \@colroom=\textheight
21321                 \vsizethe\textheight
21322                 \columnwidth=\textwidth
21323                 \hsizethe\columnwidth
21324                 \linewidth=\hsizethe
21325             \else
21326                 \let\tITLEPAGE@restore\relax
21327             \fi
21328             \let\footnotesize\small
21329             \let\right@footnoterule\relax
21330             \let\left@footnoterule\relax
21331             \let\textwidth@footnoterule\relax
21332             \let\footnote\thanks

```




```

21333 \let\LTRfootnote\LTRthanks
21334 \let\RTLfootnote\RTLthanks
21335 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21336 \let\@oldmakefnmark\@makefnmark
21337 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
21338 \ifx\@extratitle\@empty
21339 \ifx\@frontispiece\@empty
21340 \else
21341 \if@twoside\mbox{}\next@tpage\fi
21342 \noindent\@frontispiece\next@tdpage
21343 \fi
21344 \else
21345 \noindent\@extratitle
21346 \ifx\@frontispiece\@empty
21347 \else
21348 \next@tpage
21349 \noindent\@frontispiece
21350 \fi
21351 \next@tdpage
21352 \fi
21353 \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updateerelative
21354 \ifx\@titlehead\@empty \else
21355 \begin{minipage}[t]{\textwidth}%
21356 \usekomafont{titlehead}{\@titlehead\par}%
21357 \end{minipage}\par
21358 \fi
21359 \null\vfill
21360 \begin{center}
21361 \ifx\@subject\@empty \else
21362 {\usekomafont{subject}{\@subject\par}}%
21363 \vskip 3em
21364 \fi
21365 {\usekomafont{title}{\huge \@title\par}}%
21366 \vskip 1em
21367 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21368 \vskip 2em
21369 {%
21370 \usekomafont{author}{%
21371 \lineskip 0.75em
21372 \begin{tabular}[t]{c}
21373 \@author
21374 \end{tabular}\par
21375 }%
21376 }%
21377 \vskip 1.5em
21378 {\usekomafont{date}{\@date \par}}%
21379 \vskip \z@ \@plus3fill
21380 {\usekomafont{publishers}{\@publishers \par}}%
21381 \vskip 3em
21382 \end{center}\par
21383 \@thanks\global\let\@thanks\@empty
21384 \vfill\null
21385 \if@twoside
21386 \@tempwatrue

```



```

21387 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
21388 \else
21389 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
21390 \@tempswafalse
21391 \fi\fi
21392 \fi
21393 \if@tempswa
21394 \next@tpage
21395 \begin{minipage}[t]{\textwidth}
21396 \@uppertitleback
21397 \end{minipage}\par
21398 \vfill
21399 \begin{minipage}[b]{\textwidth}
21400 \@lowertitleback
21401 \end{minipage}\par
21402 \@thanks\global\let\@thanks\@empty
21403 \fi
21404 \else
21405 \ifx\@uppertitleback\@empty\else
21406 \ClassWarning{\KOMAClassName}{%
21407 non empty \string\uppertitleback\space ignored
21408 by \string\maketitle\MessageBreak
21409 in `twoside=false' mode%
21410 }%
21411 \fi
21412 \ifx\@lowertitleback\@empty\else
21413 \ClassWarning{\KOMAClassName}{%
21414 non empty \string\lowertitleback\space ignored
21415 by \string\maketitle\MessageBreak
21416 in `twoside=false' mode%
21417 }%
21418 \fi
21419 \fi
21420 \ifx\@dedication\@empty
21421 \else
21422 \next@tdpage\null\vfill
21423 {\centering\usekomafont{dedication}{\@dedication \par}}%
21424 \vskip \z@ \@plus3fill
21425 \@thanks\global\let\@thanks\@empty
21426 \cleardoubleemptypage
21427 \fi
21428 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
21429 \end{titlepage}
21430 \else
21431 \par
21432 \@tempcnta=%
21433 #1%
21434 \relax\ifnum\@tempcnta=1\else
21435 \ClassWarning{\KOMAClassName}{%
21436 Optional argument of \string\maketitle\space ignored\MessageBreak
21437 in `titlepage=false' mode%
21438 }%
21439 \fi
21440 \ifx\@uppertitleback\@empty\else

```



```

21441 \ClassWarning{\KOMAClassName}{%
21442     non empty \string\uppertitleback\space ignored
21443     by \string\maketitle\MessageBreak
21444     in `titlepage=false' mode%
21445 }%
21446 \fi
21447 \ifx\@lowertitleback\@empty\else
21448 \ClassWarning{\KOMAClassName}{%
21449     non empty \string\lowertitleback\space ignored
21450     by \string\maketitle\MessageBreak
21451     in `titlepage=false' mode%
21452 }%
21453 \fi
21454 \begingroup
21455 \let\titlepage@restore\relax
21456 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21457 \let\@oldmakefnmark\@makefnmark
21458 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21459 \next@tdpage
21460 \if@twocolumn
21461 \ifnum \col@number=\@ne
21462 \ifx\@extratitle\@empty
21463 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21464 \else
21465 \@makeextratitle
21466 \fi
21467 \ifx\@frontispiece\@empty
21468 \ifx\@extratitle\@empty\else\next@tdpage\fi
21469 \else
21470 \next@tpage
21471 \@makefrontispiece
21472 \next@tdpage
21473 \fi
21474 \@maketitle
21475 \else
21476 \ifx\@extratitle\@empty
21477 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21478 \else
21479 \twocolumn[\@makeextratitle]%
21480 \fi
21481 \ifx\@frontispiece\@empty
21482 \ifx\@extratitle\@empty\else\next@tdpage\fi
21483 \else
21484 \next@tpage
21485 \twocolumn[\@makefrontispiece]%
21486 \next@tdpage
21487 \fi
21488 \twocolumn[\@maketitle]%
21489 \fi
21490 \else
21491 \ifx\@extratitle\@empty
21492 \ifx\@frontispiece\@empty\else \mbox{}\fi
21493 \else
21494 \@makeextratitle

```



```

21495     \fi
21496     \ifx\@frontispiece\@empty
21497         \ifx\@extratitle\@empty\else\next@tdpage\fi
21498     \else
21499         \next@tpage
21500         \@makefrontispiece
21501         \next@tdpage
21502     \fi
21503     \@maketitle
21504 \fi
21505     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
21506     \@thanks\global\let\@thanks\@empty
21507 \endgroup
21508 \fi
21509 \setcounter{footnote}{0}%
21510 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21511     \let\thanks\relax
21512     \let\LTRthanks\relax
21513     \let\RTLthanks\relax
21514     \let\maketitle\relax
21515     \let\@maketitle\relax
21516     \global\let\@thanks\@empty
21517     \global\let\@author\@empty
21518     \global\let\@date\@empty
21519     \global\let\@title\@empty
21520     \global\let\@subtitle\@empty
21521     \global\let\@extratitle\@empty
21522     \global\let\@frontispiece\@empty
21523     \global\let\@titlehead\@empty
21524     \global\let\@subject\@empty
21525     \global\let\@publishers\@empty
21526     \global\let\@uppertitleback\@empty
21527     \global\let\@lowertitleback\@empty
21528     \global\let\@dedication\@empty
21529     \global\let\author\relax
21530     \global\let\title\relax
21531     \global\let\extratitle\relax
21532     \global\let\titlehead\relax
21533     \global\let\subject\relax
21534     \global\let\publishers\relax
21535     \global\let\uppertitleback\relax
21536     \global\let\lowertitleback\relax
21537     \global\let\dedication\relax
21538     \global\let\date\relax
21539 \fi
21540 \global\let\and\relax
21541 }%
21542 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
21543 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
21544 \renewcommand*\thesection{%
21545     \thechapter\@SepMark%
21546     \@arabic\c@section
21547 }
21548 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}

```



```

21549 \renewcommand*{\thesubsubsection}{%
21550   \thesubsection\@SepMark\@arabic\c@subsubsection
21551 }
21552 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21553 \renewcommand*{\thesubparagraph}{%
21554   \theparagraph\@SepMark\@arabic\c@subparagraph
21555 }
21556 \expandafter\ifnum\scr@v@is@le{2.97d}%
21557   \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
21558 \fi
21559 \expandafter\ifnum\scr@v@is@le{2.97d}%
21560   \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
21561 \fi
21562 \renewcommand*\theequation{%
21563   \thechapter\@SepMark%
21564   \@arabic\c@equation
21565 }
21566 \renewenvironment{thebibliography}[1]{%
21567   \if@bib@break@
21568     \bib@beginhook
21569   \else
21570     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
21571       \setchapterpreamble{\bibpreamble}%
21572     \fi\fi
21573     \bib@heading
21574     \bib@beginhook
21575     \bib@before@hook
21576   \fi
21577   \renewcommand{\BreakBibliography}[1]{%
21578     \@bib@break
21579     \end{thebibliography}%
21580     \begingroup ##1\endgroup
21581     \begin{thebibliography}{#1}
21582   }%
21583   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21584   \bidi@thebibliography@font@hook%
21585   \list{%
21586     \@biblabel{\@arabic\c@enumiv}%
21587   }{%
21588     \settowidth\labelwidth{\@biblabel{#1}}%
21589     \leftmargin\labelwidth
21590     \advance\leftmargin\labelsep
21591     \@openbib@code
21592     \if@bib@break@
21593       \edef\@tempa{%
21594         \noexpand\usecounter{enumiv}%
21595         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
21596       }\@tempa
21597       \no@bib@break
21598     \else
21599       \usecounter{enumiv}%
21600     \fi
21601     \let\p@enumiv\@empty
21602     \renewcommand*\theenumiv{\@arabic\c@enumiv}%

```



```

21603 }%
21604 \sloppy\clubpenalty4000 \widowpenalty4000
21605 \sfcode`\.\=\@m
21606 }{%
21607 \if@bib@break@
21608 \def\@noitemerr{%
21609 \latex@warning{%
21610 \string\BreakBibliography\space at begin of `thebibliography'
21611 environment\MessageBreak
21612 or following \string\BreakBibliography}%
21613 }%
21614 \else
21615 \def\@noitemerr{%
21616 \latex@warning{%
21617 Empty `thebibliography' environment or
21618 \string\BreakBibliography\MessageBreak
21619 before end of `thebibliography' environment}%
21620 }%
21621 \fi
21622 \endlist
21623 \if@bib@break@
21624 \else
21625 \bib@after@hook
21626 \let\bib@before@hook\@empty
21627 \let\bib@after@hook\@empty
21628 \fi
21629 \bib@endhook
21630 }
21631 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
21632 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
21633 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
21634 \renewcommand\marginline[1]{%
21635 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
21636 }
21637 \renewcommand{\@makecaption}[3]{%
21638 \cap@margin
21639 \begingroup
21640 \ifonelinecaptions
21641 \def\stepcounter##1{\advance\value{##1}\@ne}%
21642 \let\refstepcounter\stepcounter
21643 \let\label\@gobble
21644 \let\@footnotetext=\@gobble
21645 \let\@LTRfootnotetext=\@gobble
21646 \let\@RTLfootnotetext=\@gobble
21647 \let\hypertarget\@gobbletwo
21648 \edef\@xnewline{%
21649 \unexpanded{\ClassInfo{\KOMAClassName}}{%
21650 Workaround for not recommended usage of \string\\ or\MessageBreak
21651 \string\newline in caption text
21652 }%
21653 \hspace*{\linewidth}\hspace{1sp}%
21654 }%
21655 \unexpanded\expandafter{\@xnewline}%
21656 }%

```



```

21657 \edef\@xcentercr{%
21658 \unexpanded{\ClassInfo{\KOMAClassName}{%
21659 Workaround for not recommended usage of \string\\ or\MessageBreak
21660 \string\newline in caption text
21661 }%
21662 \hspace*{\linewidth}\hspace{1sp}%
21663 }%
21664 \unexpanded\expandafter{\@xcentercr}%
21665 }%
21666 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
21667 \ifdim\@tempdima>\cap@width
21668 \aftergroup\scr@makemultilinecaption
21669 \else
21670 \aftergroup\scr@makesinglelinecaption
21671 \fi
21672 \else
21673 \aftergroup\scr@makemultilinecaption
21674 \fi
21675 \endgroup
21676 {#1}{#2}{#3}%
21677 }
21678 \renewcommand{\scr@makesinglelinecaption}[3]{%
21679 {%
21680 \usefontofkomafont{caption}{%
21681 \hb@xt@ \hsizex{%
21682 \cap@left
21683 \if@RTL
21684 \beginR
21685 \fi
21686 \scr@makesinglelinecaption{#1}{#2}{#3}%
21687 \if@RTL
21688 \endR
21689 \fi
21690 \cap@right
21691 }\par\kern\dp\strutbox%
21692 }%
21693 }\kern-\dp\strutbox
21694 }
21695 \renewcommand{\@makecaption}[2]{%
21696 \if@captionabove
21697 \vskip\belowcaptionskip
21698 \else
21699 \vskip\abovecaptionskip
21700 \fi
21701 \@@makecaption\@firstofone{#1}{#2}%
21702 \if@captionabove
21703 \vskip\abovecaptionskip
21704 \else
21705 \vskip\belowcaptionskip
21706 \fi
21707 }
21708
21709 \renewcommand{\scr@makesinglelinecaption}[3]{%
21710 {\usekomafont{caption}{\strut\ignorespaces

```



```

21711      #1{\usekomafont{captionlabel}{#2\captionformat}}}%
21712      \ignorespaces #3\unskip}}}%
21713 }
21714
21715 \renewcommand{\scr@makemultilinecaption}[3]{%
21716   {%
21717     \usefontofkomafont{caption}{%
21718       \hb@xt@{\hsize{%
21719         \cap@left
21720         \vbox{\hsize\cap@width\linewidth\hsize
21721           \scr@ifundefinedorrelax{@capttype}{%
21722             \ClassWarning{\KOMAClassName}{%
21723               `\'string\caption' outside float.\MessageBreak
21724               Seems you are using `\'string\caption' outside a
21725               float.\MessageBreak
21726               Maybe you are using a package that uses
21727               `\'string\@makecaption'\MessageBreak
21728               without setting `\'string\@capttype' before.\MessageBreak
21729               Because I cannot detect the caption type, I'm using\MessageBreak
21730               the empty one.%
21731             }%
21732             \let\@capttype\@empty
21733           }{}%
21734           \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
21735             \@nameuse{ragged\@capttype caption}%
21736           }%
21737           \ifdofullc@p
21738             \@hangfrom{%
21739               \strut
21740               \scr@smashdp{%
21741                 #1{%
21742                   \usekomafont{caption}{%
21743                     \usekomafont{captionlabel}{#2\captionformat}%
21744                   }%
21745                 }%
21746               }%
21747             }%
21748             {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21749           \else
21750             \ifdim\cap@indent<\z@
21751               \strut
21752               #1{%
21753                 {\usekomafont{caption}{%
21754                   \usekomafont{captionlabel}{#2\captionformat}%
21755                 }%
21756               }\par}%
21757             \noindent{{\usekomafont{caption}{%
21758               \hspace*{-\cap@indent}#3\scr@endstrut
21759             }}\par}%
21760           \else
21761             \if@capbreak
21762               \strut
21763               #1{%
21764                 {\usekomafont{caption}{%

```




```

21765         \usekomafont{captionlabel}{#2\captionformat}}%
21766     }%
21767     }\par}%
21768     \noindent\@hangfrom{\hspace*{\cap@indent}}%
21769     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
21770 \else
21771     \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
21772     {%
21773         \hspace{-\cap@indent}%
21774         \scr@smashdp{%
21775             #1{\usekomafont{caption}{%
21776                 \usekomafont{captionlabel}{#2\captionformat}}%
21777             }%
21778         }%
21779     }%
21780     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
21781 }%
21782 \fi
21783 \fi
21784 \fi
21785 }%
21786 \cap@right
21787 }\par\kern\dp\strutbox
21788 }%
21789 }\kern-\dp\strutbox
21790 }
21791
21792
21793 \bidi@AfterFile{longtable-xetex-bidi.def}{%
21794     \if@komalongtable
21795         \renewcommand{\LT@makecaption}[3]{%
21796             \noalign{%
21797                 \if@captionabove
21798                     \vskip\belowcaptionskip
21799                 \else
21800                     \vskip\abovecaptionskip
21801                 \fi
21802             }%
21803             \LT@mcol\LT@cols c{%
21804                 \hbox to\z@{\hss\parbox[t]\linewidth{%
21805                     \def\@captype{table}%
21806                     \@makecaption{#1}{#2}{#3}%
21807                     \endgraf
21808                     \if@captionabove
21809                         \vskip\abovecaptionskip
21810                     \else
21811                         \vskip\belowcaptionskip
21812                     \fi
21813                 }%
21814                 \hss
21815             }%
21816         }%
21817     }%
21818     \renewcommand*{\scr@LT@array}{}%

```



```

21819 \let\scr@LT@array=\LT@array
21820 \renewcommand*{\LT@array}{%
21821 \let\scr@caption=\LT@caption
21822 \def\captionabove{\noalign{\global\@captionabovetrue}%
21823 \scr@caption}%
21824 \def\captionbelow{\noalign{\global\@captionabovefalse}%
21825 \scr@caption}%
21826 \if@tablecaptionabove
21827 \let\LT@caption=\captionabove
21828 \else
21829 \let\LT@caption=\captionbelow
21830 \fi
21831 \scr@LT@array
21832 }%
21833 \ClassInfo{\KOMAClassName}{%
21834 longtable captions redefined%
21835 }%
21836 \fi
21837 }
21838
21839 \CloneTOCEntryStyle{tocline}{part}
21840 \TOCEntryStyleStartInitCode{part}{%
21841 \expandafter\renewcommand%
21842 \csname scr@tso@#1@linefill\endcsname{\hfill}%
21843 \expandafter\renewcommand%
21844 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
21845 \expandafter\renewcommand%
21846 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21847 {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
21848 \expandafter\renewcommand\expandafter*%
21849 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
21850 }
21851
21852 \CloneTOCEntryStyle{tocline}{chapter}
21853 \TOCEntryStyleStartInitCode{chapter}{%
21854 \expandafter\renewcommand%
21855 \csname scr@tso@#1@linefill\endcsname{%
21856 \if@chapterentrywithdots
21857 {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
21858 \else
21859 \hfill
21860 \fi
21861 }%
21862 \expandafter\renewcommand%
21863 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
21864 \expandafter\renewcommand%
21865 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21866 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
21867 \expandafter\renewcommand\expandafter*%
21868 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
21869 }
21870
21871 \CloneTOCEntryStyle{tocline}{section}
21872 \TOCEntryStyleStartInitCode{section}{%

```



```

21873 \expandafter\renewcommand%
21874 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
21875 \expandafter\renewcommand%
21876 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21877     {\normalfont\normalcolor ##1}}%
21878 }
21879
21880 \CloneTOCEntryStyle{section}{default}
21881
21882 \DeclareSectionCommand[%
21883     style=chapter,%
21884     level=\z@,%
21885     pagestyle=plain,%
21886     tocstyle=chapter,%
21887     tocindent=\z@,%
21888     tocnumwidth=1.5em%
21889 ]{chapter}
21890 \DeclareSectionCommand[%
21891     style=section,%
21892     level=1,%
21893     indent=\z@,%
21894     beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
21895     afterskip=2.3ex \@plus .2ex,%
21896     tocstyle=section,%
21897     tocindentfollows=chapter,%
21898     tocindent=1.5em,%
21899     tocnumwidth=2.3em%
21900 ]{section}
21901 \DeclareSectionCommand[%
21902     style=part,%
21903     level=\m@ne,%
21904     pagestyle=plain,%
21905     tocstyle=part,%
21906     toplevel=\m@ne,%
21907     tocindent=\z@,%
21908     tocnumwidth=2em%
21909 ]{part}
21910 \DeclareSectionCommand[%
21911     style=section,%
21912     level=2,%
21913     indent=\z@,%
21914     beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
21915     afterskip=1.5ex \@plus .2ex,%
21916     tocstyle=section,%
21917     tocindent=3.8em,%
21918     tocnumwidth=3.2em%
21919 ]{subsection}
21920 \DeclareSectionCommand[%
21921     style=section,%
21922     level=3,%
21923     indent=\z@,%
21924     beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
21925     afterskip=1.5ex \@plus .2ex,%
21926     tocstyle=section,%

```



```

21927   tocindent=7.0em,%
21928   tocnumwidth=4.1em%
21929 ]{subsubsection}
21930 \DeclareSectionCommand[%
21931   style=section,%
21932   level=4,%
21933   indent=\z@,%
21934   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
21935   afterskip=-1em,%
21936   tocindentfollows=subsubsection,%
21937   tocstyle=section,%
21938   tocindent=10em,%
21939   tocnumwidth=5em%
21940 ]{paragraph}
21941 \DeclareSectionCommand[%
21942   style=section,%
21943   level=5,%
21944   indent=\scr@parindent,%
21945   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
21946   afterskip=-1em,%
21947   tocstyle=section,%
21948   tocindent=12em,%
21949   tocnumwidth=6em%
21950 ]{subparagraph}

```

144 File `sidecap-xetex-bidi.def`

```

21951 \ProvidesFile{sidecap-xetex-bidi.def}[2025/01/03 v0.2 bidi adaptations for sidecap package f
21952 \RequirePackage{ragged2e}
21953 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
21954   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}\else%
21955   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}\fi}
21956 \renewcommand*{\SC@justify@caption}{\if@RTL%
21957   \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
21958   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}
21959
21960 \@ifpackagewith{sidecap}{innercaption}{%
21961   \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21962     \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}}
21963   \renewcommand*{\SC@justify@caption}{%
21964     \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21965   \renewcommand*{\SC@FLOAT}[2]{%
21966     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}}
21967   \renewcommand*{\SC@justify@caption}{%
21968     \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21969 }{}
21970
21971 \@ifpackagewith{sidecap}{rightcaption}{%
21972   \if@RTL \renewcommand*{\SC@FLOAT}[2]{\#1}\hspace{\sidecaptionsep}{#2}}
21973   \def\SC@justify@caption{\RaggedLeft}\else%
21974   \renewcommand*{\SC@FLOAT}[2]{\#2}\hspace{\sidecaptionsep}{#1}}
21975   \def\SC@justify@caption{\RaggedRight}\fi%
21976 }{}
21977

```



```

21978 \@ifpackagewith{sidecap}{leftcaption}{%
21979 \if@RTL \renewcommand*{\SC@FLOAT}[2]{\#2\hspace{\sidecaptionsep}{\#1}}
21980 \def\SC@justify@caption{\RaggedRight}\else%
21981 \renewcommand*{\SC@FLOAT}[2]{\#1\hspace{\sidecaptionsep}{\#2}}
21982 \def\SC@justify@caption{\RaggedLeft}\fi%
21983 }{}

```

145 File soul-xetex-bidi.def

```

21984 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
21985 \long\def\SOUL@start#1{%
21986 \let\ bidi@RTL@everypar\@empty
21987 \let\<\SOUL@lowerthan
21988 \let\>\empty
21989 \def\soulomit{\noexpand\soulomit}%
21990 \gdef\SOUL@eventuallyexhyphen##1{%
21991 \let\SOUL@soeventuallyskip\relax
21992 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@@\font
21993 \@minus\fontdimen4\font
21994 \SOUL@ignorespacesfalse
21995 \leavevmode
21996 \SOUL@preamble
21997 \SOUL@lasttoken={}%
21998 \SOUL@word={}%
21999 \SOUL@minus\z@
22000 \SOUL@comma\z@
22001 \SOUL@apo\z@
22002 \SOUL@grave\z@
22003 \SOUL@do{\#1}%
22004 \SOUL@postamble
22005 }}
22006 \def\SOUL@ulunderline#1{%
22007 \setbox\z@\hbox{\#1}%
22008 \dimen@=\wd\z@
22009 \dimen@i=\SOUL@uloverlap
22010 \advance\dimen@2\dimen@i
22011 \if@RTL
22012 \unhcopy\z@
22013 \llap{%
22014 \null
22015 \kern-\dimen@i
22016 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
22017 }%
22018 \else
22019 \rlap{%
22020 \null
22021 \kern-\dimen@i
22022 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
22023 }%
22024 \unhcopy\z@
22025 \fi
22026 }}
22027 \def\ bidi@SOUL@ulleaders{%
22028 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\n

```



```

22029 }
22030 \def\SOUL@uleverySPACE#1{%
22031     \if@RTL
22032         #1%
22033     \bidi@SOUL@ulleaders
22034     \hskip\spaceskip
22035     \else
22036     \SOUL@ulcolor{%
22037         #1%
22038         \SOUL@ulleaders
22039         \hskip\spaceskip
22040     }%
22041     \fi
22042     \null
22043 }

```

146 File stabular-xetex-bidi.def

```

22044 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
22045 \def\@stabular{%
22046     \leavevmode \bgroup \if@RTLtab\beginR \fi
22047     \let\@acol\@tabacol
22048     \let\@classz\@tabclassz
22049     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
22050 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
22051             \egroup \if@RTLtab\endR\fi\egroup}
22052 \expandafter \let \csname endstabular*\endcsname = \endstabular
22053 \def\@sarray[#1]#2{%
22054     \bgroup
22055     \setbox\@arstrutbox\hbox{%
22056         \vrule \@height\arraystretch\ht\strutbox
22057         \@depth\arraystretch \dp\strutbox
22058         \@width\z@}%
22059     \mkpream{#2}%
22060     \edef\@preamble{%
22061         \ialign \noexpand\@halignto
22062             \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
22063     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
22064     \let\@tabularnewline\%
22065     \let\@sharp##%
22066     \set@typeset@protect
22067     \lineskip\z@skip\baselineskip\z@skip
22068     \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
22069     \@preamble}

```

147 File subfigure-xetex-bidi.def

```

22070 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
22071 \AtBeginDocument{%
22072     \let\p@subfigure=\thefigure
22073     \let\p@subtable=\thetable%
22074 }

```



148 File `tabls-xetex-bidi.def`

```

22075 \ProvidesFile{tabls-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabls package for Xe
22076 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
22077
22078 \expandafter\let\csname endtabular*\endcsname=\endtabular
22079
22080 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
22081 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
22082 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
22083
22084 \def\@array[#1]#2{% remember global variables to allow recursion:
22085 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
22086 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
22087 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
22088 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
22089 \else \let\@tarlinesep\tablinesep \fi
22090 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
22091 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
22092 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
22093 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
22094 \def\@rememsize{\protect\@r@msize}\let\@seesize\@s@size
22095 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
22096 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
22097 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
22098 \let\protect\noexpand
22099 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
22100 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
22101 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
22102 \if#1t\top \else \if#1b\box \else \vcenter \fi\fi
22103 \bgroup \let\par\@empty
22104 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
22105 \advance\extrarulesep.5\arrayrulewidth
22106 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
22107 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \box \fi\bgroup\fi
22108 \@preamble}

```

149 File `tabularx-xetex-bidi.def`

```

22109 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package
22110 \def\TX@endtabularx{%
22111 \expandafter\expandafter\expandafter
22112 \TX@find@endtabularxa\csname end\TX@\endcsname
22113 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
22114 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
22115 \let\verb\TX@verb
22116 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
22117 \edef\TX@ckpt{\cl@ckpt}%
22118 \let\@elt\relax
22119 \TX@old@table\maxdimen
22120 \TX@col@width\TX@target
22121 \global\TX@cols\@ne
22122 \TX@typeout@
22123 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%

```



```

22124 \TX@trial{\def\NC@rewrite@X{%
22125     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
22126 \loop
22127     \TX@arith
22128     \ifTX@
22129     \TX@trial{%
22130 \repeat
22131 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
22132  \let\@LTrfootnotetext\TX@LTrftntext\let\@xLTrfootnotenext\TX@xLTrftntext
22133  \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
22134   \csname tabular*\expandafter\endcsname\expandafter\TX@target
22135   \the\toks@
22136   \csname endtabular*\endcsname}%
22137 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
22138 \ifnum0=\fi}%
22139 \expandafter\expandafter\expandafter
22140 \TX@find@endtabularxbb
22141 \expandafter\end\expandafter{\TX@}%
22142 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
22143 }
22144
22145 \def\TX@trial#1{%
22146     \setbox\@tempboxa\hbox{%
22147         #1\relax
22148     \let\@footnotetext\TX@trial@ftn
22149     \let\@LTrfootnotetext\TX@trial@ftn
22150     \let\@RTLfootnotetext\TX@trial@ftn
22151     \let\TX@vwarn\@empty
22152     \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
22153     \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
22154     \def\write{\begingroup
22155         \def\let{\afterassignment\endgroup\toks@}%
22156         \afterassignment\let\count@}%
22157     \hbadness\@M
22158     \hfuzz\maxdimen
22159     \let\hbadness\@tempcnta
22160     \let\hfuzz\@tempdima
22161     \expandafter\tabular\the\toks@
22162     \endtabular}%
22163 \TX@ckpt
22164 \TX@typeout@{\@spaces
22165     \expandafter\TX@align
22166     \the\wd\@tempboxa\space\space\space\space\space\@@
22167     \expandafter\TX@align
22168     \the\TX@col@width\space\space\space\space\space\@@
22169     \@spaces\the\TX@cols}}
22170
22171 \long\def\TX@LTrftntext#1{%
22172     \edef\@tempa{\the\TX@ftn\noexpand\LTrfootnotetext
22173         [\the\csname c@\mpfn\endcsname]}%
22174     \global\TX@ftn\expandafter{\@tempa{#1}}}%
22175 \long\def\TX@xLTrftntext[#1]#2{%
22176     \global\TX@ftn\expandafter{\the\TX@ftn\LTrfootnotetext[#1]{#2}}}
22177

```




```

22178 \long\def\TX@RTLftntext#1{%
22179   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
22180             [\the\csname c@\@mpfn\endcsname]}%
22181   \global\TX@ftn\expandafter{\@tempa{#1}}}%
22182 \long\def\TX@xRTLftntext[#1]#2{%
22183   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

150 File tabulary-xetex-bidi.def

```

22184 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
22185 \def\@testpach{\@chclass
22186   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
22187   \ifnum \@lastchclass=7 5 \else
22188   \ifnum \@lastchclass=8 \tw@ \else
22189   \ifnum \@lastchclass=9 \thr@@
22190   \else \z@
22191   \ifnum \@lastchclass = 10 \else
22192   \edef\@nextchar{\expandafter\string\@nextchar}%
22193   \@chnum
22194   \if \@nextchar c\z@ \else
22195   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
22196   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
22197   \if \@nextchar C7 \else
22198   \if \@nextchar L8 \else
22199   \if \@nextchar R9 \else
22200   \if \@nextchar J10 \else
22201   \z@ \@chclass
22202   \if\@nextchar |\@ne \else
22203   \if \@nextchar !6 \else
22204   \if \@nextchar @7 \else
22205   \if \@nextchar <8 \else
22206   \if \@nextchar >9 \else
22207   10
22208   \@chnum
22209   \if \@nextchar m\thr@@\else
22210   \if \@nextchar p4 \else
22211   \if \@nextchar b5 \else
22212   \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
22213   \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

151 File tc-xetex-xetex-bidi.def

```

22214 \ProvidesFile{tc-xetex-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver]
22215 \def\@cliptoboxdim#1{%
22216   \setbox#1=\hbox{%
22217     \Gin@defaultbp\WIDTH{\wd#1}%
22218     \Gin@defaultbp\DEPTH{\dp#1}%
22219     \@tempdima\ht#1%
22220     \advance\@tempdima\dp#1%
22221     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
22222     \beginL\special{pdf:bcontent }%
22223     \special{%
22224       pdf:literal direct
22225       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re

```



```

22226      }%
22227      \special{pdf:literal direct W }%
22228      \special{pdf:literal direct n }%
22229      \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
22230      \special{pdf:econtent }\endL%
22231    }%
22232 }

```

152 File tcolorbox-xetex-bidi.def

```

22233 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
22234 \let\endtcbox@lrbox=\endminipage
22235 \let\endtcbox@savebox=\endtcbox@lrbox
22236
22237 \bidi@patchcmd{\tcbox@vbox}{%
22238   \let\@footnotetext\@mpfootnotetext%
22239 }{%
22240   \let\@footnotetext\@mpfootnotetext%
22241   \let\@LTRfootnotetext\@mpLTRfootnotetext%
22242   \let\@RTLfootnotetext\@mpRTLfootnotetext%
22243 }{}{}
22244
22245 \bidi@patchcmd{\endtcbox@vbox}{%
22246   \footnoterule%
22247 }{%
22248   \bidi@mpfootnoterule%
22249 }{}{}
22250 \bidi@apptocmd{\tcbox@icolorbox{%
22251   \@bidi@list@minipage@parboxfalse
22252 }{}{}

```

153 File thmbox-xetex-bidi.def

```

22253 \ProvidesFile{thmbox-xetex-bidi.def}[2025/09/04 v0.1 bidi adaptations for thmbox package for
22254 \renewenvironment{thmbox}[2] [] {%
22255   \parskip\z@%
22256   \setkeys{thmbox}{#1}%
22257   \ifx\thmbox@style S\else\ifx\thmbox@style M\else\ifx\thmbox@style L\else%
22258     \PackageWarning{thmbox}{\thmbox@style\ is not a valid style for
22259       \string\thmbox, using M}%
22260     \let\thmbox@style=M%
22261   \fi\fi\fi%
22262   \thmbox@head{{#2}}\nobreak\relax%
22263   \thmbox@dim=\hspace%
22264   \advance\thmbox@dim-\leftskip%
22265   \advance\thmbox@dim-\rightskip%
22266   \setbox\thmbox@box=\vbox\bgroup%
22267     \if@RTL
22268       \hboxRconstructtrue
22269     \fi
22270     \hspace=\thmbox@dim%
22271     \advance\hspace -\thmbox@leftmargin%
22272     \advance\hspace -\thmbox@rightmargin%
22273     \textwidth=\hspace%

```



```

22274 \linewidth=\hsize%
22275 \vskip\thmbox\vskip%
22276 \begingroup}{\endgroup%
22277 \vskip\thmbox\vskip%
22278 \egroup%
22279 \thmbox@start%
22280 \ifx\thmbox@style S\else\thmbox@tail\fi%
22281 \@endparenv}

```

154 File titlesec-xetex-bidi.def

```

22282 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
22283 \renewcommand\filright{%
22284 \gdef\ttl@filleft##1{\hskip##1}%
22285 \gdef\ttl@filright##1{\hfill}%
22286 \let\\\@centercr
22287 \advance\rightskip\z@ \@plus 1fil
22288 \parfillskip\z@}
22289 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
22290 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
22291 \setlength\leftskip{#6}%
22292 \setlength\rightskip{#7}%
22293 \interlinepenalty\@M
22294 \ttl@changecentercr
22295 \ttl@beginlongest
22296 #1{\ifhmode\ttl@hmode@error\fi
22297 \ttl@glcmds
22298 \parindent\z@
22299 \leavevmode
22300 \begingroup
22301 \ifttl@label
22302 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
22303 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
22304 \llap{\box\z@}%
22305 \fi
22306 #4{#8}%
22307 \kern\z@\strut\@par
22308 \endgroup
22309 \nobreak\ttl@midlongest#5\@par}%
22310 \ttl@endlongest}

```

155 File titletoc-xetex-bidi.def

```

22311 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
22312 \renewcommand\filright{%
22313 \gdef\ttl@filleft##1{\hskip##1}%
22314 \gdef\ttl@filright##1{\hfill}%
22315 \let\\\@centercr
22316 \advance\rightskip\z@ \@plus 1fil
22317 \parfillskip\z@}
22318 \renewcommand\contentspush[1]{%
22319 \sbox\z@{#1}%
22320 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
22321 \aftergroup\ttl@b

```



```

22322 \leavevmode\llap{\box\z@}
22323 \def\ttl@outnoblock#1#2#3{%
22324 \begingroup
22325 \ifnum\ttl@b>\ttl@a
22326 \nobreak
22327 \else\ifnum\ttl@b<\ttl@a
22328 \addpenalty{\@secpenalty}%
22329 \else
22330 \addpenalty{\z@}%
22331 \fi\fi
22332 \ttl@contentsstretch
22333 \nobreak
22334 \ifcase#1\relax\else\interlinepenalty\@M\fi
22335 \parindent\z@
22336 \ifx\@nil#2%
22337 \PackageError{titletoc}{Unimplemented}%
22338 {The optional argument is currently mandatory}%
22339 \else
22340 \if@RTL\setlength\rightskip{#2}\else
22341 \setlength\leftskip{#2}\fi%
22342 \fi
22343 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
22344 \let\contentsmargin\ttl@margin
22345 \def\ttl@makeline##1{##1}%
22346 #3%
22347 \addtolength{\parfillskip}{-\ttl@corr}%
22348 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
22349 \let\ttl@leaders\leaders}
22350 \renewcommand\ttl@margin[2][\z@]{%
22351 \def\ttl@corr{#1}%
22352 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
22353 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
22354 \def\@pnumwidth{#2}}
22355 \let\ttl@savel@part\l@part
22356 \def\l@part{\ttl@lselect{part}}
22357
22358 \let\ttl@savel@chapter\l@chapter
22359 \def\l@chapter{\ttl@lselect{chapter}}

```

156 File tocbibind-xetex-bidi.def

```

22360 \ProvidesFile{tocbibind-xetex-bidi.def}[2025/01/03 v0.5 bidi adaptations for tocbibind packa
22361 \IfClassLoadedT{memoir}{\endinput}
22362 \if@dotocbib
22363 \ApplyPatchIfPackageLoadedF{natbib}{% natbib not loaded
22364 \renewcommand{\bibsection}{\tcb@bchapsec}
22365 \renewenvironment{thebibliography}[1]{%
22366 \bibsection
22367 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
22368 \renewenvironment{thebibitemlist}[1]{
22369 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
22370 \bidi@thebibliography@font@hook%
22371 \list{\@biblabel{\@arabic{enumiv}}}%
22372 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

22373         \leftmargin\labelwidth
22374         \advance\leftmargin\labelsep
22375         \@openbib@code
22376         \usecounter{enumiv}%
22377         \let\p@enumiv\@empty
22378         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
22379     \sloppy
22380     \clubpenalty4000
22381     \@clubpenalty \clubpenalty
22382     \widowpenalty4000%
22383     \sfcode`\.\@m}
22384     {\def\@noitemerr
22385      {\@latex@warning{Empty `thebibliography' environment}}}%
22386     \endlist}
22387
22388 \ApplyPatchCodeToPackage{chapterbib}{%
22389  \@ifpackagewith{chapterbib}{sectionbib}%
22390   {\renewcommand{\sectionbib}[2]{}}%
22391   {}%
22392 }
22393
22394 \fi
22395 \if@inltxdoc\else
22396   \renewenvironment{theindex}%
22397   {\if@twocolumn
22398     \@restonecolfalse
22399   \else
22400     \@restonecoltrue
22401   \fi
22402   \if@bibchapter
22403     \if@donumindex
22404       \refstepcounter{chapter}
22405       \twocolumn[\vspace*{2\topskip}%
22406         \@makechapterhead{\indexname}}%
22407       \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
22408       \chaptermark{\indexname}
22409     \else
22410       \if@dotocind
22411         \twocolumn[\vspace*{2\topskip}%
22412           \@makeschapterhead{\indexname}}%
22413         \prw@mkboth{\indexname}
22414         \addcontentsline{toc}{chapter}{\indexname}
22415       \else
22416         \twocolumn[\vspace*{2\topskip}%
22417           \@makeschapterhead{\indexname}}%
22418         \prw@mkboth{\indexname}
22419       \fi
22420     \fi
22421   \else
22422     \if@donumindex
22423       \twocolumn[\vspace*{-1.5\topskip}%
22424         \@nameuse{\@tocextra}{\indexname}}%
22425       \csname \@tocextra mark\endcsname{\indexname}
22426     \else

```



```

22427         \if@dotocind
22428             \twocolumn[\vspace*{-1.5\topskip}%
22429                 \toc@headstar{\@tocextra}{\indexname}]]%
22430             \prw@mkboth{\indexname}
22431             \addcontentsline{toc}{\@tocextra}{\indexname}
22432         \else
22433             \twocolumn[\vspace*{-1.5\topskip}%
22434                 \toc@headstar{\@tocextra}{\indexname}]]%
22435             \prw@mkboth{\indexname}
22436         \fi
22437     \fi
22438 \fi
22439 \thispagestyle{plain}\parindent\z@
22440 \parskip\z@ \@plus .3\p@\relax
22441 \let\item\@idxitem}
22442 {\if@restonecol\onecolumn\else\clearpage\fi}
22443 \fi

```

157 File tocloft-xetex-bidi.def

```

22444 \ProvidesFile{tocloft-xetex-bidi.def}[2025/01/03 v0.4 bidi adaptations for tocloft package f
22445 \IfClassLoadedT{memoir}{\endinput}
22446 \renewcommand{\cftpnalign}{\if@RTL l\else r\fi}
22447 \let\cftdot\@SepMark
22448 \if@cfthaspart
22449 \renewcommand*{\l@part}[2]{
22450     \@cftdopartfalse
22451     \ifnum \c@tocdepth >-2\relax
22452         \if@cfthaschapter
22453             \@cftdoparttrue
22454         \fi
22455         \ifnum \c@tocdepth >\m@ne
22456             \if@cfthaschapter\else
22457                 \@cftdoparttrue
22458             \fi
22459         \fi
22460     \fi
22461     \if@cftdopart
22462         \if@cfthaschapter
22463             \addpenalty{-\@highpenalty}
22464         \else
22465             \addpenalty\@secpenalty
22466         \fi
22467         \addvspace{\cftbeforepartskip}
22468         \begingroup
22469             {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
22470             \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22471             \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22472             \parindent \cftpartindent\relax\@afterindenttrue
22473             \interlinepenalty\@M
22474             \leavevmode
22475             \@tempdima \cftpartnumwidth\relax
22476             \let\@cftbsnum \cftpartpresnum
22477             \let\@cftasnum \cftpartaftersnum

```



```

22478      \let\@cftasnumb \cftpartaftersnumb
22479      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
22480      {\cftpartfont \cftpartpresnum #1}
22481      \cftpartfillnum{#2}}
22482      \nobreak
22483      \if@cfthaschapter
22484        \global\@nobreaktrue
22485        \everypar{\global\@nobreakfalse\everypar{}}
22486      \else
22487        \if@compatibility
22488          \global\@nobreaktrue
22489          \everypar{\global\@nobreakfalse\everypar{}}
22490        \fi
22491      \fi
22492    \endgroup
22493  \fi}
22494 \fi
22495 \if@cfthaschapter
22496 \renewcommand*{\l@chapter}[2]{
22497   \ifnum \c@tocdepth >\m@ne
22498     \addpenalty{-\@highpenalty}
22499     \vskip \cftbeforechapskip
22500     {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
22501     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22502     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22503     \parindent \cftchapindent\relax\@afterindenttrue
22504     \interlinepenalty\@M
22505     \leavevmode
22506     \@tempdima \cftchapnumwidth\relax
22507     \let\@cftbsnum \cftchappresnum
22508     \let\@cftasnum \cftchapaftersnum
22509     \let\@cftasnumb \cftchapaftersnumb
22510     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22511     {\cftchapfont #1}\nobreak
22512     \cftchapfillnum{#2}}
22513   \fi}
22514 \fi
22515 \renewcommand*{\l@section}[2]{%
22516   \ifnum \c@tocdepth >\z@
22517     \if@cfthaschapter
22518       \vskip \cftbeforesecskip
22519     \else
22520       \addpenalty\@secpenalty
22521       \addvspace{\cftbeforesecskip}
22522     \fi
22523     {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
22524     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22525     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22526     \parindent \cftsecindent\relax\@afterindenttrue
22527     \interlinepenalty\@M
22528     \leavevmode
22529     \@tempdima \cftsecnumwidth\relax
22530     \let\@cftbsnum \cftsecpresnum
22531     \let\@cftasnum \cftsecaftersnum

```



```

22532 \let\@cftasnumb \cftsecaftersnumb
22533 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22534 {\cftsecfont #1}\nobreak
22535 \cftsecfillnum{#2}}
22536 \fi}
22537 \renewcommand*{\l@section}[2]{%
22538 \ifnum \c@tocdepth >\@ne
22539 \vskip \cftbeforesubsecskip
22540 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
22541 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22542 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22543 \parindent \cftsubsecindent\relax\@afterindenttrue
22544 \interlinepenalty\@M
22545 \leavevmode
22546 \@tempdima \cftsubsecnumwidth\relax
22547 \let\@cftbsnum \cftsubsecpresnum
22548 \let\@cftasnum \cftsubsecaftersnum
22549 \let\@cftasnumb \cftsubsecaftersnumb
22550 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22551 {\cftsubsecfont #1}\nobreak
22552 \cftsubsecfillnum{#2}}
22553 \fi}
22554 \renewcommand*{\l@subsubsection}[2]{%
22555 \ifnum \c@tocdepth >\tw@
22556 \vskip \cftbeforesubsubsecskip
22557 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
22558 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22559 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22560 \parindent \cftsubsubsecindent\relax\@afterindenttrue
22561 \interlinepenalty\@M
22562 \leavevmode
22563 \@tempdima \cftsubsubsecnumwidth\relax
22564 \let\@cftbsnum \cftsubsubsecpresnum
22565 \let\@cftasnum \cftsubsubsecaftersnum
22566 \let\@cftasnumb \cftsubsubsecaftersnumb
22567 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22568 {\cftsubsubsecfont #1}\nobreak
22569 \cftsubsubsecfillnum{#2}}
22570 \fi}
22571 \renewcommand*{\l@paragraph}[2]{%
22572 \ifnum \c@tocdepth >3\relax
22573 \vskip \cftbeforeparaskip
22574 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
22575 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22576 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22577 \parindent \cftparaindent\relax\@afterindenttrue
22578 \interlinepenalty\@M
22579 \leavevmode
22580 \@tempdima \cftparanumwidth\relax
22581 \let\@cftbsnum \cftparapresnum
22582 \let\@cftasnum \cftparaaftersnum
22583 \let\@cftasnumb \cftparaaftersnumb
22584 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22585 {\cftparafont #1}\nobreak

```




```

22586     \cftparafillnum{#2}}
22587   \fi}
22588 \renewcommand*{\l@subparagraph}[2]{%
22589   \ifnum \c@tocdepth >4\relax
22590     \vskip \cftbeforesubparaskip
22591     {\if@RTL\rightright\else\leftskip\fi \cftsubparaindent\relax
22592     \if@RTL\leftskip\else\rightright\fi \@tocrmarg
22593     \parfillskip -\if@RTL\leftskip\else\rightright\fi
22594     \parindent \cftsubparaindent\relax\@afterindenttrue
22595     \interlinepenalty\@M
22596     \leavevmode
22597     \@tempdima \cftsubparanumwidth\relax
22598     \let\@cftbsnum \cftsubparapresnum
22599     \let\@cftasnum \cftsubparaaftersnum
22600     \let\@cftasnumb \cftsubparaaftersnumb
22601     \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
22602     {\cftsubparafont #1}\nobreak
22603     \cftsubparafillnum{#2}}
22604   \fi}
22605 \renewcommand*{\l@figure}[2]{%
22606   \ifnum \c@lofdepth >\z@
22607     \vskip \cftbeforefigskip
22608     {\if@RTL\rightright\else\leftskip\fi \cftfigindent\relax
22609     \if@RTL\leftskip\else\rightright\fi \@tocrmarg
22610     \parfillskip -\if@RTL\leftskip\else\rightright\fi
22611     \parindent \cftfigindent\relax\@afterindenttrue
22612     \interlinepenalty\@M
22613     \leavevmode
22614     \@tempdima \cftfignumwidth\relax
22615     \let\@cftbsnum \cftfigpresnum
22616     \let\@cftasnum \cftfigaftersnum
22617     \let\@cftasnumb \cftfigaftersnumb
22618     \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
22619     {\cftfigfont #1}\nobreak
22620     \cftfigfillnum{#2}}
22621   \fi
22622 }
22623 \renewcommand*{\l@table}[2]{%
22624   \ifnum \c@lotdepth >\z@
22625     \vskip \cftbeforetabskip
22626     {\if@RTL\rightright\else\leftskip\fi \cfttabindent\relax
22627     \if@RTL\leftskip\else\rightright\fi \@tocrmarg
22628     \parfillskip -\if@RTL\leftskip\else\rightright\fi
22629     \parindent \cfttabindent\relax\@afterindenttrue
22630     \interlinepenalty\@M
22631     \leavevmode
22632     \@tempdima \cfttabnumwidth\relax
22633     \let\@cftbsnum \cfttabpresnum
22634     \let\@cftasnum \cfttabaftersnum
22635     \let\@cftasnumb \cfttabaftersnumb
22636     \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
22637     {\cfttabfont #1}\nobreak
22638     \cfttabfillnum{#2}}
22639   \fi

```



```

22640 }
22641 \renewcommand{\@cftl@subfig}{
22642 \renewcommand*{\l@subfigure}[2]{%
22643   \ifnum \c@lofdepth > \toclevel@subfigure
22644     \vskip \cftbeforesubfigskip
22645     {\if@RTL\righskip\else\leftskip\fi \cftsubfigindent\relax
22646     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
22647     \parfillskip -\if@RTL\leftskip\else\righskip\fi
22648     \parindent \cftsubfigindent\relax\@afterindenttrue
22649     \interlinepenalty\@M
22650     \leavevmode
22651     \@tempdima \cftsubfignumwidth\relax
22652     \let\@cftbsnum \cftsubfigpresnum
22653     \let\@cftasnum \cftsubfigaftersnum
22654     \let\@cftasnumb \cftsubfigaftersnumb
22655     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
22656     {\cftsubfigfont ##1}\nobreak
22657     \cftsubfigfillnum{##2}}
22658   \fi
22659 }
22660 }
22661 \renewcommand{\@cftl@subtab}{
22662 \renewcommand*{\l@subtable}[2]{%
22663   \ifnum \c@lotdepth > \toclevel@subtable
22664     \vskip \cftbeforesubtabskip
22665     {\if@RTL\righskip\else\leftskip\fi \cftsubtabindent\relax
22666     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
22667     \parfillskip -\if@RTL\leftskip\else\righskip\fi
22668     \parindent \cftsubtabindent\relax\@afterindenttrue
22669     \interlinepenalty\@M
22670     \leavevmode
22671     \@tempdima \cftsubtabnumwidth\relax
22672     \let\@cftbsnum \cftsubtabpresnum
22673     \let\@cftasnum \cftsubtabaftersnum
22674     \let\@cftasnumb \cftsubtabaftersnumb
22675     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
22676     {\cftsubtabfont ##1}\nobreak
22677     \cftsubtabfillnum{##2}}
22678   \fi
22679 }
22680 }
22681 \renewcommand{\newlistentry}[4][\@empty]{%
22682   \ifundefined{c@#2}{%      check & set the counter
22683     \ifx \@empty#1\relax
22684       \newcounter{#2}
22685     }
22686     \else
22687       \ifundefined{c@#1}{\PackageWarning{tocloft}%
22688         {#1 has no counter for use as a `within'}}
22689       \newcounter{#2}%
22690       {\newcounter{#2}[#1}%
22691       \expandafter\edef\csname the#2\endcsname{%
22692         \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}}
22693   \fi
22694   \setcounter{#2}{0}

```



```

22694 }
22695 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
22696
22697 \@namedef{l@#2}##1##2{%
22698   \ifnum \@nameuse{c@#3depth} > #4\relax
22699     \vskip \@nameuse{cftbefore#2skip}
22700     {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
22701     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
22702     \parfillskip -\if@RTL\leftskip\else\righskip\fi
22703     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
22704     \interlinepenalty\@M
22705     \leavevmode
22706     \@tempdima \@nameuse{cft#2numwidth}\relax
22707     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
22708     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
22709     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
22710     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
22711     {\@nameuse{cft#2font}##1}\nobreak
22712     \@nameuse{cft#2fillnum}{##2}}
22713   \fi
22714 } % end of l@#2
22715
22716 \expandafter\newlength\csname cftbefore#2skip\endcsname
22717 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
22718 \expandafter\newlength\csname cft#2indent\endcsname
22719 \expandafter\newlength\csname cft#2numwidth\endcsname
22720 \ifcase #4\relax % 0
22721   \setlength{\@nameuse{cft#2indent}}{0em}
22722   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
22723 \or % 1
22724   \setlength{\@nameuse{cft#2indent}}{1.5em}
22725   \setlength{\@nameuse{cft#2numwidth}}{2.3em}
22726 \or % 2
22727   \setlength{\@nameuse{cft#2indent}}{3.8em}
22728   \setlength{\@nameuse{cft#2numwidth}}{3.2em}
22729 \or % 3
22730   \setlength{\@nameuse{cft#2indent}}{7.0em}
22731   \setlength{\@nameuse{cft#2numwidth}}{4.1em}
22732 \else % anything else
22733   \setlength{\@nameuse{cft#2indent}}{10.0em}
22734   \setlength{\@nameuse{cft#2numwidth}}{5.0em}
22735 \fi
22736 \@namedef{cft#2font}{\normalfont}
22737 \@namedef{cft#2presnum}{}
22738 \@namedef{cft#2aftersnum}{}
22739 \@namedef{cft#2aftersnumb}{}
22740 \@namedef{cft#2dotsep}{\cftdotsep}
22741 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
22742 \@namedef{cft#2pagefont}{\normalfont}
22743 \@namedef{cft#2afterpnum}{}
22744 \@namedef{toclevel@#2}{#4}
22745 \@namedef{cft#2fillnum}##1{%
22746   {\@nameuse{cft#2leader}}\nobreak
22747   \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}

```



```

22748 } % end \newlistentry
22749 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
22750   {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
22751   \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
22752   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
22753   \textit{#1}\protect\par}}}%

```

158 File tocbasic-xetex-bidi.def

```

22754 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic package]
22755 \bidi@undef\scr@dte@def@l@undotteddtoctocline
22756 \bidi@undef\scr@dte@undotteddtoctocline@init
22757 \DeclareTOCEntryStyle{undotteddtoctocline}[{%
22758   \DefineTOCEntryLengthOption{indent}{%
22759     {scr@tso@}{@indent}{entry indent}%
22760   \DefineTOCEntryLengthOption{numwidth}{%
22761     {scr@tso@}{@numwidth}{entry number width}%
22762   \@ifundefined{#1tocdepth}{%
22763     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
22764     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
22765     \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
22766     \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
22767     \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
22768     \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
22769     \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
22770     \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
22771     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
22772       \expandafter\let\csname #1tocdepth\expandafter\endcsname
22773       \csname #1numdepth\endcsname
22774     }%
22775   }%
22776 }%
22777 }%
22778 }%
22779 }%
22780 }%
22781 }%
22782 }%
22783 }{}%
22784 \@ifundefined{scr@tso@#1@indent}{%
22785   \@ifundefined{scr@#1@tocindent}{%
22786     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22787     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22788     \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
22789     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
22790     \scr@ifundefinedorrelax{l@chapter}{%
22791     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
22792     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22793     \Ifstr{#1}{subsubsection}{%
22794       \@namedef{scr@tso@#1@indent}{3.8em}%
22795     }%
22796     \Ifstr{#1}{paragraph}{%
22797       \@namedef{scr@tso@#1@indent}{7em}%
22798     }%

```



```

22799         \Ifstr{#1}{subparagraph}{%
22800             \@namedef{scr@tso@#1@indent}{10em}%
22801         }{%
22802     }%
22803 }%
22804 }%
22805 }%
22806 }%
22807 }{%
22808     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22809         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
22810             \Ifstr{#1}{subsubsection}{%
22811                 \@namedef{scr@tso@#1@indent}{7.0em}%
22812             }{%
22813                 \Ifstr{#1}{paragraph}{%
22814                     \@namedef{scr@tso@#1@indent}{10em}%
22815                 }{%
22816                     \Ifstr{#1}{subparagraph}{%
22817                         \@namedef{scr@tso@#1@indent}{12em}%
22818                     }{%
22819                         }%
22820                     }%
22821                 }%
22822             }%
22823         }%
22824     }%
22825 }%
22826 }%
22827 }%
22828 }%
22829 }{%
22830     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
22831 }%
22832 }{%}%
22833 \@ifundefined{scr@tso@#1@numwidth}{%
22834     \@ifundefined{scr@#1@tocnumwidth}{%
22835         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22836             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22837                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22838                     \scr@ifundefinedorrelax{chapter}{%
22839                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22840                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22841                                 \Ifstr{#1}{subsubsection}{%
22842                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
22843                                 }{%
22844                                     \Ifstr{#1}{paragraph}{%
22845                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
22846                                     }{%
22847                                         \Ifstr{#1}{subparagraph}{%
22848                                             \@namedef{scr@tso@#1@numwidth}{5m}%
22849                                         }{%
22850                                             }%
22851                                         }%
22852                                     }%

```



```

22853         }%
22854     }%
22855 }{%
22856     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22857         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
22858             \Ifstr{#1}{subsubsection}{%
22859                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
22860             }{%
22861                 \Ifstr{#1}{paragraph}{%
22862                     \@namedef{scr@tso@#1@numwidth}{5em}%
22863                 }{%
22864                     \Ifstr{#1}{subparagraph}{%
22865                         \@namedef{scr@tso@#1@numwidth}{6em}%
22866                     }{%
22867                         }%
22868                     }%
22869                 }%
22870             }%
22871         }%
22872     }%
22873 }%
22874 }%
22875 }%
22876 }{%
22877     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
22878 }%
22879 }{}%
22880 }]{%
22881 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
22882     \ifnum \@nameuse{#1tocdepth}<\@ne
22883         \scr@ifundefinedorrelax{chapter}{%
22884             \addpenalty\@secpenalty
22885             \addvspace{1.0em \@plus\p@}%
22886         }{%
22887             \addpenalty{-\@highpenalty}%
22888             \vskip 1.0em \@plus\p@
22889         }%
22890     \else
22891         \addpenalty\@secpenalty
22892         \addvspace{1.0em \@plus\p@}%
22893     \fi
22894     \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
22895     \begingroup
22896         \parindent \z@ \bidi@rightskip \@pnumwidth
22897         \parfillskip -\@pnumwidth
22898         \leavevmode
22899         \bfseries
22900         \advance\bidi@leftskip\@tempdima
22901         \Iftocfeature{\@current}{noindent}{%
22902             \hskip -\bidi@leftskip
22903         }{%
22904             \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
22905             \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
22906         }%

```



```

22907     ##1%
22908     \nobreak
22909     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
22910     \par
22911     \penalty\@highpenalty
22912     \endgroup
22913 \fi
22914 }
22915
22916 \bidi@undef\scr@dte@def@l@targetocline
22917 \bidi@undef\scr@dte@largetocline@init
22918 \DeclareTOCEntryStyle{largetocline}[{%
22919   \DefineTOCEntryLengthOption{indent}%
22920   {scr@tso@}{@indent}{entry indent}%
22921   \@ifundefined{#1tocdepth}{%
22922     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
22923       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
22924         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
22925           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
22926             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
22927               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
22928                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
22929                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
22930                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
22931                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
22932                         \csname #1numdepth\endcsname
22933                       }%
22934                     }%
22935                   }%
22936                 }%
22937               }%
22938             }%
22939           }%
22940         }%
22941       }%
22942     }{%
22943     \@ifundefined{scr@tso@#1@indent}{%
22944       \@ifundefined{scr@#1@tocindent}{%
22945         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22946           \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22947             \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
22948               \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
22949                 \scr@ifundefinedorrelax{l@chapter}{%
22950                   \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
22951                     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22952                       \Ifstr{#1}{subsubsection}{%
22953                         \@namedef{scr@tso@#1@indent}{3.8em}%
22954                       }{%
22955                         \Ifstr{#1}{paragraph}{%
22956                           \@namedef{scr@tso@#1@indent}{7em}%
22957                         }{%
22958                           \Ifstr{#1}{subparagraph}{%
22959                             \@namedef{scr@tso@#1@indent}{10em}%
22960                           }{%

```



```

22961         }%
22962     }%
22963 }%
22964 }%
22965 }%
22966 }{%
22967     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22968     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
22969     \Ifstr{#1}{subsubsection}{%
22970     \@namedef{scr@tso@#1@indent}{7.0em}%
22971     }{%
22972     \Ifstr{#1}{paragraph}{%
22973     \@namedef{scr@tso@#1@indent}{10em}%
22974     }{%
22975     \Ifstr{#1}{subparagraph}{%
22976     \@namedef{scr@tso@#1@indent}{12em}%
22977     }{%
22978     }%
22979     }%
22980     }%
22981     }%
22982     }%
22983     }%
22984     }%
22985     }%
22986     }%
22987     }%
22988     }{%
22989     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
22990     }%
22991     }{%}%
22992 }]{%
22993 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
22994     \ifnum \@nameuse{#1tocdepth}<\@ne
22995         \scr@ifundefinedorrelax{chapter}{%
22996             \addpenalty\@secpenalty
22997             \addvspace{2.25em \@plus\p@}%
22998         }{%
22999             \addpenalty{-\@highpenalty}%
23000             \addvspace{2.25em \@plus\p@}%
23001         }%
23002     \else
23003         \addpenalty\@secpenalty
23004         \addvspace{2.25em \@plus\p@}%
23005     \fi
23006     \setlength\@tempdima{3em}%
23007     \begingroup
23008         \parindent \z@ \bidi@rightskip \@pnumwidth
23009         \parfillskip -\@pnumwidth
23010         \leavevmode
23011         \large
23012         \bfseries
23013         \Iftocfeature{\@currentx}{noindent}{%
23014             }{%

```




```

23015         \advance\bidil@leftskip\@nameuse{scr@tso@#1@indent}%
23016     }%
23017     ##1%
23018     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
23019     \par
23020     \nobreak
23021     \ifnum 0=
23022         \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
23023         \global\@nobreaktrue
23024         \everypar{\global\@nobreakfalse\everypar{}}%
23025     \fi
23026 \endgroup
23027 \fi
23028 }
23029
23030 \renewcommand*{\scr@dte@tocline}[3]{%
23031     \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
23032     \else
23033         \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
23034         \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
23035         \@nameuse{Ifscr@tso@#1@dynindent}{%
23036             \expandafter\ifx\csname scr@tso@#1@indentfollows\endcsname\@empty
23037             \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
23038         \else
23039             \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
23040             \@for \reserved@a:=\reserved@a\do {%
23041                 \scr@trim@spaces\reserved@a
23042                 \ifx\reserved@a\@empty\else
23043                     \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
23044                         }{%
23045                             \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
23046                                 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
23047                                 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
23048                                     \scr@ifundefinedorrelax
23049                                     {scr@dte@\reserved@a @lastmaxnumwidth}{%
23050                                         \advance\@tempdima
23051                                         \@nameuse{scr@tso@\reserved@a @numwidth}\relax
23052                                     }{%
23053                                         \advance\@tempdima
23054                                         \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
23055                                     }%
23056                                 }{%
23057                                     \advance\@tempdima
23058                                     \@nameuse{scr@tso@\reserved@a @numwidth}\relax
23059                                 }%
23060                                 \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
23061                                 \expandafter\edef\csname scr@tso@#1@indent\endcsname
23062                                 {\the\@tempdima}%
23063                             \fi
23064                         \fi
23065                     }%
23066                 \fi
23067             }%
23068         \fi

```



```

23069 }{}%
23070 {%
23071 \Iftocfeature{\@currentt}{noindent}{}%
23072 \bidi@leftskip \z@
23073 }{}%
23074 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
23075 }%
23076 \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
23077 \parfillskip -\bidi@rightskip
23078 \@nameuse{Ifscr@tso@#1@raggedpage}{}%
23079 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
23080 }{}%
23081 \Iftocfeature{\@currentt}{noindent}{}%
23082 \parindent \z@
23083 }{}%
23084 \parindent \@nameuse{scr@tso@#1@indent}\relax
23085 }%
23086 \@afterindenttrue
23087 \interlinepenalty\@M
23088 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
23089 \addtolength\bidi@rightskip\@flushglue
23090 \else
23091 \def\reserved@a{\raggedright}%
23092 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
23093 \addtolength\bidi@rightskip\@flushglue
23094 \else
23095 \renewcommand\reserved@a{\raggedright}%
23096 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
23097 \addtolength\bidi@rightskip\@flushglue
23098 \fi
23099 \fi
23100 \fi
23101 \leavevmode
23102 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
23103 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
23104 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}{}%
23105 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
23106 \@tempdima \@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
23107 \fi
23108 }%
23109 }{}%
23110 \advance\bidi@leftskip \@tempdima
23111 \null\nobreak\hskip -\bidi@leftskip
23112 {%
23113 \usetocbasicnumberline
23114 \let\scr@dte@numberline@box\numberline@box
23115 \def\numberline@box##1{%
23116 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
23117 \global\scr@dte@tocline@numberwidth
23118 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
23119 \relax
23120 \ifdim \scr@dte@tocline@numberwidth
23121 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
23122 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth

```



```

23123 \fi
23124 \@nameuse{Ifscr@tso@#1@dynnumwidth}{-}{%
23125 \ifdim \scr@dte@tocline@numberwidth
23126 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
23127 +\@nameuse{scr@tso@#1@numsep}\relax\relax
23128 \PackageWarning{tocbasic}{%
23129 number width of #1 toc entries should be
23130 increased!\MessageBreak
23131 Currently used number width =
23132 \the\wd\scr@dte@tocline@numbox,\MessageBreak
23133 Wanted number separation
23134 \space\space\space =
23135 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
23136 Reserved number width \space\space\space\space\space\space =
23137 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
23138 }%
23139 \fi
23140 }%
23141 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
23142 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
23143 {\parfillskip\@flushglue\par}\nobreak\hskip-\@bidi@leftskip
23144 }{}%
23145 }%
23146 {\@nameuse{scr@tso@#1@entryformat}{%
23147 #2%
23148 \nobreak
23149 {%
23150 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
23151 \nobreak
23152 \expandafter\let\expandafter\scr@dte@pagenumberwidth
23153 \csname scr@tso@#1@pagenumberwidth\endcsname
23154 \@nameuse{scr@tso@#1@pagenumberbox}{%
23155 \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
23156 }%
23157 }%
23158 }}\@par
23159 }%
23160 }%
23161 \tocbasic@SetPenaltyByTOCLevel{#1}%
23162 \fi
23163 }
23164
23165
23166 \bidi@undef\scr@dte@def@1@tocline
23167 \bidi@undef\scr@dte@tocline@init
23168 \DeclareTOCEntryStyle{tocline}{%
23169 \DefineTOCEntryLengthOption{before skip}{%
23170 {scr@tso@}{@before skip}{vertical skip before the entry}%
23171 \DefineTOCEntryIfOption{breakafter number}%
23172 {scr@tso@}{@breakafter number}{line break after number flag}%
23173 \DefineTOCEntryIfOption{dynnumwidth}%
23174 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
23175 \DefineTOCEntryListOption{indent follows}%
23176 {scr@tso@}{@indent follows}{list of levels that define the indent}%

```



```

23177 \DefineTOCEntryIfOption{dynindent}%
23178   {scr@tso@}{@dynindent}{dynamic indent width flag}%
23179 \DefineTOCEntryCommandOption{entryformat}%
23180   {scr@tso@}{@entryformat}[1]{entry format}%
23181 \DefineTOCEntryCommandOption{entrynumberformat}%
23182   {scr@tso@}{@numberformat}[1]{entry number format}%
23183 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
23184   {scr@tso@}{@linefill}{filling between text and page number}%
23185 \DefineTOCEntryLengthOption{numsep}%
23186   {scr@tso@}{@numsep}{entry number separation}%
23187 \DefineTOCEntryCommandOption{onstarthigherlevel}%
23188   {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
23189 \DefineTOCEntryCommandOption{onstartlowerlevel}%
23190   {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
23191 \DefineTOCEntryCommandOption{onstartsamelevel}%
23192   {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
23193 \DefineTOCEntryCommandOption{pagenumberbox}%
23194   {scr@tso@}{@pagenumberbox}[1]{page number box}%
23195 \DefineTOCEntryCommandOption{pagenumberformat}%
23196   {scr@tso@}{@pagenumberformat}[1]{page number format}%
23197 \DefineTOCEntryLengthOption{pagenumberwidth}%
23198   {scr@tso@}{@pagenumberwidth}{width of page number box}%
23199 \DefineTOCEntryLengthOption{rightindent}%
23200   {scr@tso@}{@rightindent}{entry's text right indent}%
23201 \DefineTOCEntryOption{raggedentrytext}[true]{%
23202   \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
23203   \ifx\FamilyKeyState\FamilyKeyStateProcessed
23204     \if@tempswa
23205       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
23206       \raggedright
23207     \else
23208       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
23209       \relax
23210     \fi
23211   \fi
23212 }%
23213 \DefineTOCEntryIfOption{raggedpagenumber}%
23214   {scr@tso@}{@raggedpage}{page number ragged flag}%
23215 \DefineTOCEntryLengthOption{indent}%
23216   {scr@tso@}{@indent}{entry indent}%
23217 \DefineTOCEntryLengthOption{numwidth}%
23218   {scr@tso@}{@numwidth}{entry number width}%
23219 \scr@ifundefinedorrelax{#1tocdepth}{%
23220   \Ifstrstart{#1}{sub}{%
23221     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{-}{%
23222       \expandafter\edef\csname #1tocdepth\endcsname{%
23223         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
23224       }%
23225     }%
23226   }{}%
23227 }{}%
23228 \@ifundefined{#1tocdepth}{%
23229   \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
23230     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%

```



```

23231 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
23232 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
23233 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
23234 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
23235 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
23236 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
23237 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
23238 \expandafter\let\csname #1tocdepth\expandafter\endcsname
23239 \csname #1numdepth\endcsname
23240 }%
23241 }%
23242 }%
23243 }%
23244 }%
23245 }%
23246 }%
23247 }%
23248 }%
23249 }{}%
23250 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
23251 \@ifundefined{scr@#1@tocindent}{%
23252 \Ifstrstart{#1}{sub}{%
23253 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
23254 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}{%
23255 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
23256 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
23257 \relax
23258 }%
23259 }%
23260 }{%
23261 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
23262 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
23263 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
23264 \relax
23265 }%
23266 }{%
23267 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
23268 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
23269 \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
23270 \relax
23271 }%
23272 }%
23273 }%
23274 }{}%
23275 }{%
23276 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
23277 }%
23278 }{}%
23279 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
23280 \Ifstrstart{#1}{sub}{%
23281 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
23282 \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}}%
23283 }{%
23284 \expandafter\let

```



```

23285         \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
23286         \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
23287     }%
23288 }{%
23289     \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
23290 }%
23291 }{%
23292 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
23293     \Ifstrstart{#1}{sub}{%
23294         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
23295             \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
23296         }{%
23297             \expandafter\let
23298             \csname scr@tso@#1@rightindent\expandafter\endcsname
23299             \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
23300         }%
23301     }{%
23302         \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
23303     }%
23304 }{%
23305 \@ifundefined{scr@tso@#1@indent}{%
23306     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23307     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23308     \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
23309     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
23310     \scr@ifundefinedorrelax{l@chapter}{%
23311     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
23312     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23313     \Ifstr{#1}{subsubsection}{%
23314         \@namedef{scr@tso@#1@indent}{3.8em}%
23315     }{%
23316     \Ifstr{#1}{paragraph}{%
23317         \@namedef{scr@tso@#1@indent}{7em}%
23318     }{%
23319     \Ifstr{#1}{subparagraph}{%
23320         \@namedef{scr@tso@#1@indent}{10em}%
23321     }{%
23322     }%
23323     }%
23324     }%
23325     }%
23326     }%
23327 }{%
23328     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23329     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
23330     \Ifstr{#1}{subsubsection}{%
23331         \@namedef{scr@tso@#1@indent}{7.0em}%
23332     }{%
23333     \Ifstr{#1}{paragraph}{%
23334         \@namedef{scr@tso@#1@indent}{10em}%
23335     }{%
23336     \Ifstr{#1}{subparagraph}{%
23337         \@namedef{scr@tso@#1@indent}{12em}%
23338     }{%

```



```

23339         }%
23340     }%
23341 }%
23342 }%
23343 }%
23344 }%
23345 }%
23346 }%
23347 }%
23348 }%
23349 }{}%
23350 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
23351     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
23352         \Ifstrstart{#1}{sub}{%
23353             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%{}%
23354                 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
23355                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
23356                         +.9em}%
23357                 \relax
23358             }%
23359         }%
23360     }{}%
23361 }{%
23362     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
23363 }%
23364 }{}%
23365 \@ifundefined{scr@tso@#1@numwidth}{%
23366     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23367     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23368     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
23369     \scr@ifundefinedorrelax{chapter}{%
23370     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
23371     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23372     \Ifstr{#1}{subsubsection}{%
23373         \@namedef{scr@tso@#1@numwidth}{3.2em}%
23374     }{%
23375     \Ifstr{#1}{paragraph}{%
23376         \@namedef{scr@tso@#1@numwidth}{4.1em}%
23377     }{%
23378     \Ifstr{#1}{subparagraph}{%
23379         \@namedef{scr@tso@#1@numwidth}{5m}%
23380     }{%
23381     }%
23382     }%
23383     }%
23384     }%
23385     }%
23386     }{%
23387     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23388     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
23389     \Ifstr{#1}{subsubsection}{%
23390         \@namedef{scr@tso@#1@numwidth}{3.1em}%
23391     }{%
23392     \Ifstr{#1}{paragraph}{%

```



```

23393         \@namedef{scr@tso@#1@numwidth}{5em}%
23394     }{%
23395         \Ifstr{#1}{subparagraph}{%
23396             \@namedef{scr@tso@#1@numwidth}{6em}%
23397         }{%
23398             }%
23399         }%
23400     }%
23401 }%
23402 }%
23403 }%
23404 }%
23405 }%
23406 }%
23407 }{}%
23408 \expandafter\renewcommand%
23409 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
23410 \expandafter\renewcommand%
23411 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
23412 \expandafter\renewcommand%
23413 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
23414 \@ifundefined{scr@tso@#1@beforeskip}{%
23415     \Ifstr{#1}{part}{%
23416         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
23417     }{%
23418         \Ifstr{#1}{chapter}{%
23419             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
23420         }{%
23421             \Ifstr{#1}{section}{%
23422                 \scr@ifundefinedorrelax{1@chapter}{%
23423                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
23424                 }{}%
23425             }{}%
23426         }%
23427     }%
23428 \expandafter\renewcommand\expandafter*%
23429 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
23430 }{}%
23431 \@ifundefined{scr@dte@#1@maxnumwidth}{%
23432     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
23433     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
23434 }{}%
23435 \renewcommand*{\scr@dte@donumwidth}{}%
23436 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
23437 \expandafter\renewcommand\expandafter*%
23438 \csname scr@tso@#1@numsep\endcsname{.4em}%
23439 \expandafter\renewcommand%
23440 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
23441 \Ifstr{#1}{part}{%
23442     \expandafter\providecommand%
23443     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
23444 }{%
23445     \Ifstr{#1}{chapter}{%
23446         \expandafter\providecommand%

```




```

23447     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
23448   }{%
23449     \scr@ifundefinedorrelax{1@chapter}{%
23450       \Ifstr{#1}{section}{%
23451         \expandafter\providecommand%
23452         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
23453       }{%
23454     }{%
23455       \expandafter\providecommand%
23456       \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
23457     }%
23458   }%
23459   \expandafter\renewcommand
23460   \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
23461   \@ifundefined{scr@tso@#1@linefill}{%
23462     \Ifstr{#1}{part}{%
23463       \@namedef{scr@tso@#1@linefill}{\hfill}%
23464     }{%
23465       \Ifstr{#1}{chapter}{%
23466         \@namedef{scr@tso@#1@linefill}{\hfill}%
23467       }{%
23468         \scr@ifundefinedorrelax{1@chapter}{%
23469           \Ifstr{#1}{section}{%
23470             \@namedef{scr@tso@#1@linefill}{\hfill}%
23471           }{%
23472         }{%
23473           \expandafter\renewcommand%
23474           \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23475         }%
23476       }%
23477     }{%
23478     \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
23479     \Ifstr{#1}{part}{%
23480       \expandafter\providecommand%
23481       \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
23482     }{%
23483       \Ifstr{#1}{chapter}{%
23484         \expandafter\providecommand%
23485         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
23486       }{%
23487         \scr@ifundefinedorrelax{1@chapter}{%
23488           \Ifstr{#1}{section}{%
23489             \expandafter\providecommand%
23490             \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
23491           }{%
23492         }{%
23493           \expandafter\providecommand%
23494           \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23495             {\normalfont\normalcolor ##1}}%
23496         }%
23497       }%
23498     \expandafter\renewcommand%
23499     \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
23500       \hb@xt@{\@nameuse{scr@dte@pagenumberwidth}}{\hfil ##1}}%

```



```

23501 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
23502 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
23503 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
23504   \Ifstrstart{#1}{sub}{%
23505     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
23506       \scr@dte@nosub{#1}%
23507     }%
23508   }{%
23509     \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
23510   }%
23511 }{%
23512 }}{%
23513   \scr@dte@tocline{#1}{##1}{##2}%
23514 }
23515
23516 \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
23517   \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
23518     {\normalfont\normalcolor #1}%
23519   }%
23520 }{}
23521
23522 \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
23523   \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
23524     {\normalfont\normalcolor #1}%
23525   }%
23526 }{}
23527

```

159 File `tocstyle-xetex-bidi.def`

```

23528 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
23529 \renewcommand*{\tocstyle@dottedtocline}[5]{%
23530   \let\numberline\tocstyle@numberline
23531   \ifnum #1>\c@tocdepth \else
23532     \if@tocstyle@penalties
23533       \begingroup
23534         \@tempcnta 20010
23535         \advance \@tempcnta by -#1
23536         \ifnum \@tempcnta>\lastpenalty
23537           \aftergroup\penalty\aftergroup\@lowpenalty
23538         \fi
23539       \endgroup
23540     \fi
23541     \edef\tocstyledepth{#1}%
23542     \tocstyle@activate@features
23543     \ifx\tocstyle@feature@entryvskip\relax
23544       \vskip \z@ \@plus.2\p@
23545     \else
23546       \addvspace{\tocstyle@feature@entryvskip}%
23547     \fi
23548     {%
23549       \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
23550       \tocstyle@feature@raggedhook
23551       \@tempdima #3\relax

```



```

23552 \@tempdimb #2\relax
23553 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
23554 \ifnum #1>\z@\relax
23555 \@tempcnta #1\relax \advance\@tempcnta \m@ne
23556 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23557 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23558 \@tempdimb
23559 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23560 \advance\@tempdimb
23561 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23562 \fi
23563 \fi
23564 \fi
23565 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23566 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
23567 \ifdim \@tempdimb>
23568 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
23569 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
23570 @#1\endcsname{\the\@tempdimb}%
23571 \fi
23572 \else
23573 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
23574 @#1\endcsname{\the\@tempdimb}%
23575 \fi
23576 \iftocstyle@autolength
23577 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
23578 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
23579 \relax
23580 \fi
23581 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
23582 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
23583 \relax
23584 \fi
23585 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
23586 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23587 \else
23588 \@tempdimb #2\relax
23589 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23590 \fi
23591 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
23592 \ifdim \@tempdima>
23593 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
23594 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
23595 @\endcsname{\the\@tempdima}%
23596 \fi
23597 \else
23598 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
23599 @\endcsname{\the\@tempdima}%
23600 \fi
23601 \ifcase\tocstyle@indentstyle\relax\else
23602 \@tempdimb \z@
23603 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
23604 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
23605 \relax

```



```

23606     \fi
23607     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
23608     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23609     \fi
23610     \advance\parindent \@tempdimb\@afterindenttrue
23611     \advance\if@RTL\rightskip\else\leftskip\fi \parindent
23612     \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
23613     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
23614     \ifx\tocstyle@feature@parfillskip\relax\else
23615         \advance\parfillskip \tocstyle@feature@parfillskip\relax
23616     \fi
23617     \interlinepenalty\@M
23618     \leavevmode
23619     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
23620     \null\nobreak
23621     \iftocstyle@indentnotnumbered\else
23622         \hskip -\if@RTL\rightskip\else\leftskip\fi
23623     \fi
23624     \tocstyle@feature@entryhook
23625     {#4}\nobreak
23626     \ifx\tocstyle@feature@leaders\relax
23627         \leaders\hbox{$\m@th
23628             \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
23629             \mkern \@dotsep mu$}\hfill
23630     \else
23631         \tocstyle@feature@leaders
23632     \fi
23633     \nobreak
23634     \ifx\tocstyle@feature@pagenumberbox\relax
23635         \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
23636     \else
23637         \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
23638     \fi
23639     \par
23640 }%
23641 \if@tocstyle@penalties
23642     \bgroup
23643         \@tempcnta 20009
23644         \advance\@tempcnta by -#1
23645         \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
23646     \reserved@a
23647 \fi
23648 \fi}
23649 \renewcommand*{\tocstyle@numberline}[1]{%
23650 \begingroup
23651     \ifx\tocstyle@feature@spaceafternumber\relax
23652         \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
23653     \else
23654         \settowidth\@tempdima{\tocstyle@numberline{#1}}%
23655         \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
23656     \fi
23657     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
23658         \ifdim \@tempdima >
23659             \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax

```



```

23660         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
23661         @\tocstyledepth\endcsname{\the\@tempdima}%
23662     \fi
23663     \else
23664         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
23665         @\tocstyledepth\endcsname{\the\@tempdima}%
23666     \fi
23667 \endgroup
23668 \iftocstyle@indentnotnumbered
23669     \hskip -\if@RTL\rightskip\else\leftskip\fi
23670 \fi
23671 \ifcase \tocstyle@indentstyle
23672     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
23673 \or
23674     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
23675 \else
23676     \ifx\tocstyle@feature@spaceafternumber\relax
23677         \hbox{\tocstyle@@numberline{#1}\enskip}%
23678     \else
23679         \hbox{\tocstyle@@numberline{#1}\hskip
23680         \tocstyle@feature@spaceafternumber\relax}%
23681     \fi
23682 \fi
23683 }
23684 \AtBeginDocument{%
23685     \ifcsname l@part\endcsname
23686         \ifcsname l@chapter\endcsname
23687             \setbox\@tempboxa\vbox{\hsize\maxdimen
23688             \l@part{\tocstyle@l@define{part}{-1}}{}}%
23689         \else
23690             \setbox\@tempboxa\vbox{\hsize\maxdimen
23691             \l@part{\tocstyle@l@define{part}{0}}{}}%
23692         \fi
23693     \fi
23694     \ifcsname l@chapter\endcsname
23695         \setbox\@tempboxa\vbox{\hsize\maxdimen
23696         \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
23697     \fi
23698     \ifcsname l@section\endcsname
23699         \setbox\@tempboxa\vbox{\hsize\maxdimen
23700         \l@section{\tocstyle@l@define{section}{1}}{}}%
23701     \fi
23702     \ifcsname l@subsection\endcsname
23703         \setbox\@tempboxa\vbox{\hsize\maxdimen
23704         \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
23705     \fi
23706     \ifcsname l@subsubsection\endcsname
23707         \setbox\@tempboxa\vbox{\hsize\maxdimen
23708         \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
23709     \fi
23710     \ifcsname l@paragraph\endcsname
23711         \setbox\@tempboxa\vbox{\hsize\maxdimen
23712         \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
23713     \fi

```



```

23714 \ifcsname l@subparagraph\endcsname
23715   \setbox\@tempboxa\vbox{\hsize\maxdimen
23716     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
23717 \fi
23718 \ifcsname l@table\endcsname
23719   \setbox\@tempboxa\vbox{\hsize\maxdimen
23720     \l@table{\tocstyle@l@define{table}{1}}{}}%
23721 \fi
23722 \ifcsname l@figure\endcsname
23723   \setbox\@tempboxa\vbox{\hsize\maxdimen
23724     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
23725 \fi
23726 \def\@tempa#1#2#3#4#5{%
23727   \ifnum #1>\c@tocdepth \else
23728     \vskip \z@ \@plus.2\p@
23729     {\ifRTL\rightskip\else\leftskip\fi #2\relax \ifRTL\leftskip\else\rightskip\fi \@tocdepth
23730     \parindent #2\relax\@afterindenttrue
23731     \interlinepenalty\@M
23732     \leavevmode
23733     \@tempdima #3\relax
23734     \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
23735     {#4}\nobreak
23736     \leaders\hbox{$\m@th
23737       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
23738       mu$}\hfill
23739     \nobreak
23740     \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}%
23741     \par}%
23742 \fi}%
23743 \ifx\@dottedtocline\@tempa\else
23744   \tocstyle@macrochangewarning\@dottedtocline
23745 \fi
23746 \let\tocstyle@saved\@dottedtocline\@dottedtocline
23747 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
23748 \ifx\numberline\@tempa\else
23749   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
23750 \fi\let\@tempa\@tempa\else
23751   \tocstyle@macrochangewarning\@numberline
23752 \fi
23753 \fi
23754 \let\tocstyle@saved\@numberline\@numberline
23755 }
23756 \renewcommand*{\tocstyle@l@define}[2]{%
23757   \advance\ifRTL\rightskip\else\leftskip\fi-\@tempdima
23758   \edef\@tempa{%
23759     \noexpand\global\noexpand\let
23760     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
23761     \expandafter\noexpand\csname l@#1\endcsname
23762     \noexpand\gdef
23763     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
23764       \noexpand\@dottedtocline{#2}{\the\ifRTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
23765     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@#1{%
23766       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
23767       \expandafter\noexpand\csname tocstyle@l@#1\endcsname

```



```

23768 }%
23769 }%
23770 \PackageInfo{tocstyle}{prepare \expandafter\string
23771 \csname l@#1\endcsname\space for redefinition}%
23772 \@tempa
23773 }

```

160 File todonotes-xetex-bidi.def

```

23774 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
23775 \newif\if@bidi@todonotes@textdirection@RTL
23776 \newif\if@bidi@todonotes@figposition@right
23777 \newcommand{\@bidi@todonotes@align}{}%
23778 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
23779 \newcommand{\@bidi@todonotes@textdirection}{}%
23780 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
23781 \ifcase\@bidi@todonotes@tempb\relax
23782 \@bidi@todonotes@textdirection@RTLtrue
23783 \let\@bidi@todonotes@textdirection\RLE
23784 \or
23785 \@bidi@todonotes@textdirection@RTLfalse
23786 \let\@bidi@todonotes@textdirection\LRE
23787 \fi}
23788 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
23789 \ifcase\@bidi@todonotes@tempb\relax
23790 \@bidi@todonotes@figposition@righttrue
23791 \or
23792 \@bidi@todonotes@figposition@rightfalse
23793 \fi}
23794 \if@todonotes@disabled%
23795 \else % \if@todonotes@disabled
23796 \renewcommand{\@todonotes@drawInlineNote}{%
23797 \if@todonotes@dviStyle%
23798 {\par\noindent\begin{tikzpicture}[remember picture]%
23799 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
23800 \if@todonotes@authorgiven%
23801 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
23802 \else%
23803 {\noindent \@todonotes@sizecommand \@todonotes@text}%
23804 \fi
23805 {\par\noindent\begin{tikzpicture}[remember picture]%
23806 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
23807 \else%
23808 {\par\noindent\begin{tikzpicture}[remember picture]%
23809 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
23810 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@a
23811 \if@todonotes@authorgiven%
23812 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text
23813 \else%
23814 {\noindent \@todonotes@sizecommand \@todonotes@text}%
23815 \fi};%
23816 \end{tikzpicture}\par}%
23817 \fi}%
23818 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%

```



```

23819 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
23820   \node [coordinate] (inText) {};%
23821 \end{tikzpicture}%
23822 \marginpar[{}% Draw note in left margin
23823   \@todonotes@drawMarginNote%
23824   \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
23825 ]{}% Draw note in right margin
23826   \@todonotes@drawMarginNote%
23827   \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
23828 }%
23829 }%
23830 \renewcommand{\@todonotes@drawMarginNote}{%
23831 \if@todonotes@dviStyle%
23832   \begin{tikzpicture}[remember picture]%
23833     \draw node[notestyle] {};%
23834   \end{tikzpicture}\\%
23835   \begin{minipage}{\@todonotes@textwidth}%
23836     \if@todonotes@authorgiven%
23837       \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
23838     \else%
23839       \@todonotes@sizecommand \@todonotes@text%
23840     \fi%
23841   \end{minipage}\\%
23842   \begin{tikzpicture}[remember picture]%
23843     \draw node[notestyle] (inNote) {};%
23844   \end{tikzpicture}%
23845 \else%
23846   \let\originalHbadness\hbadness%
23847   \hbadness 100000%
23848   \begin{tikzpicture}[remember picture,baseline=(X.base)]%
23849     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
23850     \node(X){\vphantom{X}};%
23851     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@text]{\@todonotes@text};%
23852     \if@todonotes@authorgiven%
23853       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@text]{\@todonotes@sizecommand\@todonotes@author};%
23854       \node(Y)[below=of X]{};%
23855       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@text]{\@todonotes@text};%
23856     \else%
23857       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@text]{\@todonotes@text};%
23858     \fi%
23859   \end{tikzpicture}%
23860   \hbadness \originalHbadness%
23861 \fi}%
23862 \renewcommand{\missingfigure}[2]{}%
23863 \setkeys{todonotes}{#1}%
23864 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
23865 \par
23866 \noindent
23867 \begin{tikzpicture}
23868 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]

```




```

23873      (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
23874 \if@bidi@todonotes@figposition@right%
23875 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
23876 \fi%
23877 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
23878      (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
23879 \if@bidi@todonotes@figposition@right%
23880 \end{scope}
23881 \begin{scope}[xshift=-3.8cm]
23882 \fi%
23883 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
23884 \draw (2, -0.3) node[right, text
23885      width=\@todonotes@currentfigwidth-4.5cm, align=\@bidi@todonotes@align] {#2};
23886 \if@bidi@todonotes@figposition@right%
23887 \end{scope}
23888 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
23889 \fi%
23890 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
23891 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
23892 \if@bidi@todonotes@figposition@right%
23893 \end{scope}
23894 \fi%
23895 \end{tikzpicture}}\hfill
23896 }% Ending \missingfigure command
23897 \fi % Ending \@todonotes@ifdisabled
23898 \presetkeys%
23899      {todonotes}%
23900      {align=left,%
23901      textdirection=lefttoright,%
23902      figposition=left}}{}%

```

161 File wrapfig-xetex-bidi.def

```

23903 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package]
23904 \let\WF@@everypar\@everypar
23905 \def\WF@putfigmaybe{%
23906 \ifinner
23907   \vskip-\parskip \global\WF@floatfalse
23908   \let\pagetotal\maxdimen % kludge flag for "not top of page"
23909 \else % outer page
23910   \@tempdima\pagedepth % save page depth
23911   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
23912   \penalty\interlinepenalty % update pg. parameters
23913   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
23914   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
23915     \global\WF@floatfalse
23916     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
23917   \else
23918     \ifdim\WF@size>\@tempdimb
23919       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
23920       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
23921       \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
23922       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
23923       \advance\dimen@.5\baselineskip

```



```

23924         \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
23925         \global\WF@floatfalse \pagebreak
23926         \fi
23927         \else % \WF@info{Fits in \the\@tempdimb;}%
23928         \global\WF@floatfalse
23929         \fi\fi
23930         \vskip\@tempdima\relax % (return erased page depth)
23931 \fi
23932 \noindent
23933 \ifWF@float
23934     \WF@fltmcs
23935 \else % putting here;
23936     \WF@info{Put \WF@wfname here:}%
23937     {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
23938      \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
23939      \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
23940     \hbox to \z@{% llap or rlap depending on {l} or {r}; calc effective width
23941       \@tempdima\wd\WF@box \@tempdimb\WF@ovh
23942       \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
23943       \@tempdimb\hsize \advance\@tempdimb-\@tempdima
23944       \xdef\WF@adjlw{\the\@tempdima}%
23945       \ifnum `l=\WF@place % fig on left
23946       \if@RTL%
23947         \kern\@tempdimb \kern\columnsep
23948         \def\@tempa{\hss}% position to left of the gap
23949         \else%
23950         \hss % figure overlaps space to the left
23951         \def\@tempa{\kern\columnsep}% position to left of the gap
23952         \fi%
23953       \else % fig on right
23954       \if@RTL%
23955         \hss
23956         \@tempdima\z@
23957         \def\@tempa{\kern\columnsep}
23958         \else%
23959         \@tempdima\z@ % no left indentation
23960         \kern\@tempdimb \kern\columnsep
23961         \def\@tempa{\hss}% figure overlaps space to the right
23962         \fi%
23963       \fi
23964       \ifdim\@tempdimb<\hsize
23965       \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
23966       \xdef\WF@adjtlm{\the\@tempdima}%
23967       \else
23968       \xdef\WF@wrapil{\z@ \the\hsize}%
23969       \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
23970       \fi
23971       \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
23972       \global\advance\WF@size-\intextsep
23973       \else % \WF@info{Putting \WF@wfname in middle of page}%
23974       \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
23975       \fi \dp\WF@box\z@ \box\WF@box \@tempa
23976     }% end \hbox to Opt
23977     \aftergroup\WF@startwrapping % after the \endgroup which immediately follows

```



23978 \fi}

162 File xcolor-xetex-bidi.def

```

23979 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package for
23980 \long\def\color@b@x#1#2#3%
23981 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
23982 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
23983 \dimen@ht\z@\advance\dimen@\fbboxsepht\z@\dimen@
23984 \dimen@dp\z@\advance\dimen@\fbboxsepdp\z@\dimen@
23985 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
23986 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup
23987 \DeclareRobustCommand\color
23988 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
23989 \def\@undeclaredcolor[#1]#2%
23990 {\begingroup
23991 \let\@ccls\@empty
23992 \XC@getmodclr12{#1}{#2}{}}%
23993 {\ifblendcolors
23994 \ifx\colorblend\@empty\else
23995 \edef\@cmix{\expandafter\@gobble\colorblend}\@tempswafalse
23996 \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
23997 \fi
23998 \fi
23999 \ifconvertcolorsU
24000 \edef\@tmp{\XC@tgt@mod{\@mod}}%
24001 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
24002 \fi
24003 \ifmaskcolors
24004 \convertcolorspec\@mod\@clr\XC@mmod\@clr
24005 \let\@mod\XC@mmod
24006 \XC@inflate\@mod\XC@mclr\@clr\@tmp
24007 \expandafter\XC@mul\@tmp,\@clr
24008 \fi
24009 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
24010 \expandafter\endgroup\@tmp}}
24011 \def\@declaredcolor#1%
24012 {\XC@edef\XC@tmp{#1}\XC@tstfalse
24013 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
24014 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
24015 \ifconvertcolorsU\XC@tsttrue\fi
24016 \fi
24017 \ifXC@tst
24018 \expandafter\XC@declaredcolor\else
24019 \expandafter\XC@declaredc@lor\fi}
24020 \def\XC@undeclaredcolor#1#2%
24021 {\@ifundefinedmodel{#1}%
24022 {\c@lor@error{model `#1'}}%
24023 {\@nameuse{color@#1}\current@color{#2}}%
24024 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
24025 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
24026 \def\XC@declaredc@lor
24027 {\XC@let@Nc\XC@current@color{\string\color@\XC@tmp}%
24028 \edef\current@color{\XC@current@color}%

```



```

24029 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
24030 \DeclareRobustCommand\bidicolor
24031 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
24032 \def\@bidiundeclaredcolor[#1]#2%
24033 {\begingroup
24034 \let\@@cls\@empty
24035 \XC@getmodclr12{#1}{#2}{}}%
24036 {\ifblendcolors
24037 \ifx\colorblend\@empty\else
24038 \edef\@@mix{\expandafter\@gobble\colorblend}\@tempswafalse
24039 \XC@coremodel\@mod\@@clr\@xcolor@{}{}\@mod\@@clr
24040 \fi
24041 \fi
24042 \ifconvertcolorsU
24043 \edef\@@tmp{\XC@tgt@mod{\@mod}}%
24044 \convertcolorspec\@mod\@@clr\@@tmp\@@clr \let\@mod\@@tmp
24045 \fi
24046 \ifmaskcolors
24047 \convertcolorspec\@mod\@@clr\XC@mmod\@@clr
24048 \let\@mod\XC@mmod
24049 \XC@inflate\@mod\XC@mclr\@@clr\@@tmp
24050 \expandafter\XC@mul\@@tmp,\@@clr
24051 \fi
24052 \edef\@@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@@clr}}%
24053 \expandafter\endgroup\@@tmp}}
24054 \def\XC@bidiundeclaredcolor#1#2%
24055 {\@ifundefinedmodel{#1}%
24056 {\color@error{model `#1'}}%
24057 {\nameuse{color@#1}\current@color{#2}}%
24058 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
24059 \XC@display}}
24060 \def\@bidideclaredcolor#1%
24061 {\XC@edef\XC@@tmp{#1}\XC@tstfalse
24062 \ifcase\XC@type\XC@@tmp\relax \XC@tsttrue\or \relax\else
24063 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
24064 \ifconvertcolorsU\XC@tsttrue\fi
24065 \fi
24066 \ifXC@tst
24067 \expandafter\XC@bidideclaredcolor\else
24068 \expandafter\XC@bidideclaredcolor\fi}
24069 \def\XC@bidideclaredcolor
24070 {\XC@split\XC@@tmp
24071 \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@@clr}}%
24072 \expandafter\endgroup\@@tmp}
24073 \def\XC@bidideclaredcolor
24074 {\XC@let\Nc\XC@current@color\string\color@\XC@@tmp}%
24075 \edef\current@color{\XC@current@color}%
24076 \XC@display}
24077 \def\color@box#1#2{\color@box\relax{\bidicolor#1{#2}}}
24078 \def\color@fbbox#1#2#3{\protect\color@fbbox{#1}{#2}{#3}}
24079 \def\color@fbbox#1#2#3#4%
24080 {\color@box{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
24081 {\@ifempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
24082 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode

```



163 File latex-xetex-bidi.def

```
24083 \ProvidesFile{latex-xetex-bidi.def}[2025/01/03 v1.5.2 bidi adaptations for `latex.ltx' for
24084 \newcommand{\TeXXeTOn}{\TeXXeTstate\@ne}
24085 \newcommand{\TeXXeTOff}{\TeXXeTstate\z@}
24086 \TeXXeTOn
24087 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebo
24088 \let\bidi@o@everypar=\everypar
24089 \newtoks\bidi@n@everypar
24090 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
24091 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
24092 \let\everypar=\bidi@n@everypar
24093 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
24094 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
24095 \protected\def\hboxR{\hbox\bgroup
24096 \everyhbox{%
24097 \aftergroup\egroup
24098 \everyhbox{}}%
24099 \beginR
24100 \@hboxRconstructtrue
24101 \bgroup
24102 \aftergroup\endR
24103 \aftergroup\egroup
24104 }\hbox}
24105 \protected\def\hboxL{\hbox\bgroup
24106 \everyhbox{%
24107 \aftergroup\egroup
24108 \everyhbox{}}%
24109 \beginL
24110 \@hboxRconstructfalse
24111 \bgroup
24112 \aftergroup\endL
24113 \aftergroup\egroup
24114 }\hbox}
24115 \protected\def\vboxR{\vbox\bgroup
24116 \everyvbox{%
24117 \aftergroup\egroup
24118 \everyvbox{}}%
24119 \@RTLtrue
24120 \@RTLtabtrue
24121 \bgroup
24122 \aftergroup\egroup
24123 }\vbox}
24124 \protected\def\vboxL{\vbox\bgroup
24125 \everyvbox{%
24126 \aftergroup\egroup
24127 \everyvbox{}}%
24128 \@RTLfalse
24129 \@RTLtabfalse
24130 \bgroup
24131 \aftergroup\egroup
24132 }\vbox}
24133 \newcommand*{\bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
24134 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
```



```

24135 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse\hsize\linewidth\parshape\z@\bidi@beamer}
24136 \def\endLTR{\par}
24137 \newenvironment{LTR*}{\LTR
24138   \everypar{%
24139     {\setbox\z@\lastbox
24140       \ifvoid\z@
24141         \kern-\parindent
24142       \fi}%
24143   }%
24144 }{\endLTR\@endpetrue}
24145 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\hsize\linewidth\parshape\z@\bidi@beamer}
24146 \def\endRTL{\par}
24147 \newenvironment{RTL*}{\RTL
24148   \everypar{%
24149     {\setbox\z@\lastbox
24150       \ifvoid\z@
24151         \kern-\parindent
24152       \fi}%
24153   }%
24154 }{\endRTL\@endpetrue}
24155 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\bidi@beamer@ragged}
24156 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse\bidi@beamer@ragged}
24157 \let\unsetRTL=\setLTR
24158 \let\unsetLTR=\setRTL
24159 \let\LR=\LRE
24160 \let\RL=\RLE
24161 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
24162 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
24163 \let\@ensure@RL=\@ensure@RTL
24164 \let\@ensure@LR=\@ensure@LTR
24165 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
24166 \let\@ensure@maindir=\@ensure@dir
24167 \def\@RTL{RTL}
24168 \def\@LTR{LTR}
24169 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
24170 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
24171 \let\@TeX\TeX
24172 \def\TeX{\@ensure@LTR{\@TeX}}
24173 \let\@LaTeX\LaTeX
24174 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
24175 \let\@LaTeXe\LaTeXe
24176 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
24177 \long\def\bidi@reflect@box#1{%
24178   \leavevmode
24179   \setbox\z@\hbox{#1}}%
24180   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
24181   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
24182 }
24183 \if@bidi\csundef{XeTeX}{%
24184 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
24185   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}%
24186 }{%
24187 \let\@bidi@origXeTeX\XeTeX
24188 \bidi@renewrobustcmd*{\XeTeX}{\LR{\@bidi@origXeTeX}}%

```



```

24189 }
24190 \if@bidi@csundef{XeLaTeX}{%
24191 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
24192 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}}%
24193 }{%
24194 \let\@bidi@orig@XeLaTeX\XeLaTeX
24195 \bidi@renewrobustcmd*{\XeLaTeX}{\LR{\@bidi@orig@XeLaTeX}}%
24196 }
24197 \let\setRL=\setRTL
24198 \let\setLR=\setLTR
24199 \let\unsetRL=\setLTR
24200 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
24201 \ApplyPatchIfPackageLoaded{array}{%
24202 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
24203 \leavevmode
24204 \hbox \bgroup $\left.\col@sep\tabcolsep \let\d@llarbegin\begin\group
24205 \let\d@llarend\end\group
24206 \@tabarray}
24207 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
24208 }{%
24209 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
24210 \leavevmode \hbox \bgroup
24211 $\left.\let\@acol\@tabacol
24212 \let\@classz\@tabclassz
24213 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
24214
24215 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
24216 \egroup\right\rbrace $\egroup}}
24217 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
24218 \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,\right\}}
24219 \renewenvironment{RTLcases}{%
24220 \bidi@matrix@check\RTLcases\env@RTLcases
24221 }{%
24222 \endbidi@tabular@RTLcases%
24223 }
24224 \def\env@RTLcases{%
24225 \let\@ifnextchar\bidi@new@ifnextchar
24226 \def\arraystretch{1.2}%
24227 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
24228 }
24229 \def\SepMark#1{\gdef\@SepMark{#1}}
24230 \SepMark{.}
24231 \def\@thmcountersep{\@SepMark}
24232 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
24233 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
24234 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
24235 \newcommand*{\bidi@thebibliography@font@hook}{ }
24236 \def\list#1#2{%
24237 \ifnum \@listdepth >5\relax
24238 \@toodeep
24239 \else
24240 \global\advance\@listdepth\@ne
24241 \fi
24242 \rightmargin\z@

```



```

24243 \listparindent\z@
24244 \itemindent\z@
24245 \csname @list\romannumeral\the\@listdepth\endcsname
24246 \def\@itemlabel{#1}%
24247 \let\makelabel\@mklab
24248 \@nmbbrlistfalse
24249 #2\relax
24250 \@trivlist
24251 \parskip\parsep
24252 \parindent\listparindent
24253 \advance\linewidth -\rightmargin
24254 \advance\linewidth -\leftmargin
24255 \if@bidi@list@minipage@parbox
24256 \if@RTL
24257 \advance\@totalleftmargin \leftmargin
24258 \else
24259 \advance\@totalleftmargin \rightmargin
24260 \fi
24261 \else
24262 \if@hboxRconstruct
24263 \if@bidi@list@minipage@parbox@not@nob
24264 \if@RTL
24265 \advance\@totalleftmargin \rightmargin
24266 \else
24267 \advance\@totalleftmargin \leftmargin
24268 \fi
24269 \else
24270 \if@RTL
24271 \advance\@totalleftmargin \leftmargin
24272 \else
24273 \advance\@totalleftmargin \rightmargin
24274 \fi\fi
24275 \else
24276 \if@RTL
24277 \advance\@totalleftmargin \rightmargin
24278 \else
24279 \advance\@totalleftmargin \leftmargin
24280 \fi\fi\fi
24281 \parshape \@ne \@totalleftmargin \linewidth
24282 \ignorespaces}
24283 \long\def\@iiiparbox#1#2[#3]#4#5{%
24284 \leavevmode
24285 \@pboxswfalse
24286 \if@hboxRconstruct
24287 \@bidi@list@minipage@parbox@not@nobtrue
24288 \fi
24289 \if@RTL
24290 \ifx#1t%
24291 \@bidi@list@minipage@parboxtrue
24292 \else
24293 \ifx#1b%
24294 \@bidi@list@minipage@parboxtrue
24295 \fi
24296 \fi

```




```

24297 \fi
24298 \setlength\@tempdima{#4}%
24299 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
24300 \ifx\relax#2\else
24301 \setlength\@tempdimb{#2}%
24302 \edef\@parboxto{to\the\@tempdimb}%
24303 \fi
24304 \if#1b\vbox
24305 \else\if #1t\vtop
24306 \else\ifmode\vcenter
24307 \else\@pboxswtrue $\vcenter
24308 \fi\fi\fi
24309 \@parboxto{\let\hss\vss\let\unhbox\unvbox
24310 \csname bm@#3\endcsname}%
24311 \if@pboxsw \m@th$\fi
24312 \@end@tempboxa}
24313 \newenvironment{LTRitems}
24314 {\par\@RTLfalse\@RTLtabfalse\bidi@beamer@ragged
24315 \if@bidi@list@minipage@parbox
24316 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
24317 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24318 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
24319 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24320 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24321 \ignorespaces}{\vskip\z@}
24322 \newenvironment{RTLitems}
24323 {\par\@RTLtrue\@RTLtabtrue\bidi@beamer@ragged
24324 \if@bidi@list@minipage@parbox
24325 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
24326 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24327 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
24328 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24329 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24330 \ignorespaces}{\vskip\z@}
24331 \newenvironment{LTRbibitems}
24332 {\par\@RTLfalse\@RTLtabfalse\bidi@beamer@ragged
24333 \if@bidi@list@minipage@parbox
24334 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
24335 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24336 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
24337 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24338 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24339 \ignorespaces}{\vskip\z@}
24340 \newenvironment{RTLbibitems}
24341 {\par\@RTLtrue\@RTLtabtrue\bidi@beamer@ragged
24342 \if@bidi@list@minipage@parbox
24343 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
24344 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24345 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
24346 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24347 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24348 \ignorespaces}{\vskip\z@}
24349 \def\raggedright{%
24350 \let\\@centercr\@rightskip\@flushglue \rightskip\@rightskip

```



```

24351 \leftskip\z@skip
24352 \parindent\z@\parfillskip\z@skip}
24353 \let\bidiorig@raggedleft\raggedleft
24354 \let\bidiorig@raggedright\raggedright
24355 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidiorig@raggedright\else\if@hboxRco
24356 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidiorig@raggedleft\else\if@hboxRco
24357 \newcommand{\bidiorag@right}{\if@RTL\raggedleft\else\raggedright\fi}
24358 \newcommand{\bidiorag@left}{\if@RTL\raggedright\else\raggedleft\fi}
24359 \DeclareRobustCommand\centerline[1]{%
24360 \if@RTL\@@line{\hss\beginR#1\endR\hss}
24361 \else\@@line{\hss#1\hss}\fi}
24362 \def\bidiorig@leftline#1{%
24363 \if@RTL\@@line{\beginR#1\endR\hss}
24364 \else\@@line{#1\hss}\fi}
24365 \def\bidiorig@rightline#1{%
24366 \if@RTL\@@line{\hss\beginR#1\endR}
24367 \else\@@line{\hss#1}\fi}
24368 \DeclareRobustCommand\leftline[1]{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@lef
24369 \DeclareRobustCommand\rightline[1]{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rig
24370 \DeclareRobustCommand\bidirlap[1]{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
24371 \DeclareRobustCommand\bidillap[1]{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
24372 \def\@hangfrom#1{\setbox\@tempboxa\hbox{\{#1\}}%
24373 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
24374 \def\narrower{%
24375 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
24376 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
24377 \DeclareRobustCommand\underline[1]{%
24378 \relax
24379 \ifmmode\@@underline{#1}%
24380 \else
24381 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
24382 \else
24383 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
24384 \if@compatibility
24385 \let\undertext=\underline
24386 \fi
24387 \def\@tabular{%
24388 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
24389 $\let\@acol\@tabacol
24390 \let\@classz\@tabclassz
24391 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
24392 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
24393 \egroup $\if@RTLtab\endR\fi\egroup}
24394 \expandafter \let \csname endtabular*\endcsname = \endtabular
24395 \def\@array[#1]#2{%
24396 \if #1t\top \else \if#1b\ vbox \else \vcenter \fi\fi
24397 \bgroup
24398 \setbox\@arstrutbox\hbox{%
24399 \vrule \@height\arraystretch\ht\strutbox
24400 \@depth\arraystretch \dp\strutbox
24401 \@width\z@}%
24402 \mkpream{#2}%
24403 \edef\@preamble{%
24404 \ialign \noexpand\@halignto

```



```

24405 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
24406 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24407 \let\tabularnewline\%
24408 \let\par\@empty
24409 \let\@sharp##%
24410 \set@typeset@protect
24411 \lineskip\z@skip\baselineskip\z@skip
24412 \ifhmode \@preamerr\z@ \@@par\fi
24413 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
24414 \@preamble}
24415 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
24416 \let\@classiv\@arrayclassiv
24417 \let\\\@arraycr\let\@halign\@empty\@RTLtabfalse\@tabarray}
24418 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
24419 \ifnum \@lastchclass=3 5 \else
24420 \z@ \if #1c\@chnum \z@ \else
24421 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
24422 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
24423 \@chclass \if #1|\@ne \else
24424 \if #1@\tw@ \else
24425 \if #1p3 \else \z@ \@preamerr 0\fi
24426 \fi \fi \fi \fi \fi \fi
24427 \fi}
24428 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
24429 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
24430 \def\bm@t{\unhbox\@tempboxa\hss}
24431 \def\bm@b{\hss\unhbox\@tempboxa}
24432 \def\@dottedtocline#1#2#3#4#5{%
24433 \ifnum #1>\c@tocdepth \else
24434 \vskip \z@ \@plus.2\p@
24435 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocma
24436 \parindent #2\relax\@afterindenttrue
24437 \interlinepenalty\@M
24438 \leavevmode
24439 \@tempdima #3\relax
24440 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24441 {#4}\nobreak
24442 \leaders\hbox{$\m@th
24443 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
24444 mu$}\hfill
24445 \nobreak
24446 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
24447 \par}%
24448 \fi}
24449
24450 \newcount\@bidi@column@check@number
24451
24452 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
24453
24454 \def\@bidi@set@column@status#1#2{%
24455 \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
24456
24457 \if@twocolumn
24458 \newcommand\DetectColumn[3][1]{%

```



```

24459 \ifx\ bidi@firstcolumn@status@write\relax
24460 \PackageError{bidi}%
24461 {Option 'DetectColumn' not selected}%
24462 {\string\DetectColumn\space
24463 requires the use of the 'DetectColumn'
24464 option on the package}%
24465 \fi
24466 \global\advance\ bidi@column@check@number\@ne
24467 \edef\ bidi@column@type{\expandafter\ifx
24468 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
24469 0\else
24470 \csname bidi@column-\the\ bidi@column@check@number\endcsname
24471 \fi}%
24472 \ifcase \ bidi@column@type\relax
24473 \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
24474 \or
24475 #2% % 1 First column
24476 \or
24477 #3% % 2 Second (Last column)
24478 \else
24479 \ERROR
24480 \fi
24481 \edef\next{\write\@auxout
24482 {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
24483 {\ bidi@column@type}}}%
24484 \next
24485 }
24486
24487 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
24488 \ifnum #2=\ bidi@current@column@status\else
24489 \@tempwattrue
24490 \fi}%
24491 }
24492 \fi
24493
24494 \def\RTL@outputdblcol{%
24495 \if@firstcolumn
24496 \global\@firstcolumnfalse
24497 \global\setbox\@leftcolumn\copy\@outputbox
24498 \splitmaxdepth\maxdimen
24499 \vbadness\maxdimen
24500 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
24501 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
24502 \toks@\expandafter{\topmark}%
24503 \xdef\@firstcoltopmark{\the\toks@}%
24504 \toks@\expandafter{\splitfirstmark}%
24505 \xdef\@firstcolfirstmark{\the\toks@}%
24506 \ifx\@firstcolfirstmark\@empty
24507 \global\let\@setmarks\relax
24508 \else
24509 \gdef\@setmarks{%
24510 \let\firstmark\@firstcolfirstmark
24511 \let\topmark\@firstcoltopmark}%
24512 \fi

```



```

24513 \else
24514 \global\@firstcolumntrue
24515 \setbox\@outputbox\vbox{%
24516 \hb@xt@\textwidth{%
24517 \hskip \columnwidth
24518 \hfil
24519 {\normalcolor\vrule \@width\columnseprule}%
24520 \hfil
24521 \hb@xt@\columnwidth{%
24522 \bidi@firstcolumn@status@write%
24523 \box\@leftcolumn \hss}%
24524 \hskip -\textwidth
24525 \hb@xt@\columnwidth{%
24526 \bidi@lastcolumn@status@write%
24527 \box\@outputbox \hss}%
24528 \hskip \columnsep
24529 \hskip \columnwidth }}%
24530 \@combinedblfloats
24531 \@setmarks
24532 \@outputpage
24533 \begingroup
24534 \@dblfloatplacement
24535 \@startdblcolumn
24536 \@whiles\if@fcolmade \fi{\@outputpage
24537 \@startdblcolumn}%
24538 \endgroup
24539 \fi}%
24540
24541 \def\LTR@outputdblcol{%
24542 \if@firstcolumn
24543 \global\@firstcolumnfalse
24544 \global\setbox\@leftcolumn\copy\@outputbox
24545 \splitmaxdepth\maxdimen
24546 \vbadness\maxdimen
24547 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
24548 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
24549 \toks@\expandafter{\topmark}%
24550 \xdef\@firstcoltopmark{\the\toks@}%
24551 \toks@\expandafter{\splitfirstmark}%
24552 \xdef\@firstcolfirstmark{\the\toks@}%
24553 \ifx\@firstcolfirstmark\@empty
24554 \global\let\@setmarks\relax
24555 \else
24556 \gdef\@setmarks{%
24557 \let\firstmark\@firstcolfirstmark
24558 \let\topmark\@firstcoltopmark}%
24559 \fi
24560 \else
24561 \global\@firstcolumntrue
24562 \setbox\@outputbox\vbox{%
24563 \hb@xt@\textwidth{%
24564 \hb@xt@\columnwidth{%
24565 \bidi@firstcolumn@status@write%
24566 \box\@leftcolumn \hss}%

```



```

24567      \hfil
24568      {\normalcolor\vrule \@width\columnseprule}%
24569      \hfil
24570      \hb@xt@\columnwidth{%
24571      \bidi@lastcolumn@status@write%
24572      \box\@outputbox \hss}}}%
24573 \@@combinedblfloats
24574   \setmarks
24575   \@outputpage
24576   \begin@group
24577     \@dblfloatplacement
24578     \@startdblcolumn
24579     \@whiles\if@fcolmade \fi{\@outputpage
24580     \@startdblcolumn}%
24581     \endgroup
24582 \fi}%
24583
24584
24585 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
24586 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
24587 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
24588
24589 \bidi@patchcmd\@makecol{%
24590   \ifvoid\footins
24591     \setbox\@outputbox \box\@cclv
24592   \else
24593     \setbox\@outputbox \vbox {%
24594       \boxmaxdepth \@maxdepth
24595       \unvbox \@cclv
24596       \vskip \skip\footins
24597       \color@begin@group
24598       \normalcolor
24599       \footnoterule
24600       \unvbox \footins
24601       \color@end@group
24602     }%
24603   \fi
24604 }{%
24605   \ifvoid\footins
24606     \ifvoid\@bidi@copyins@
24607       \setbox\@outputbox \box\@cclv
24608     \else
24609       \setbox\@outputbox \vbox {%
24610         \boxmaxdepth \@maxdepth
24611         \unvbox \@cclv
24612         \vskip \skip\@bidi@copyins@
24613         \color@begin@group
24614         \normalcolor
24615         \unvbox \@bidi@copyins@
24616         \color@end@group
24617       }%
24618     \fi
24619   \else
24620     \setbox\@outputbox \vbox {%

```



```

24621      \boxmaxdepth \@maxdepth
24622      \unvbox \@cclv
24623      \vskip \skip\footins
24624      \color@begingroup
24625      \normalcolor
24626      \footnoterule
24627      \unvbox \footins
24628      \color@endgroup
24629      \ifvoid\@bidi@copyins@
24630      \else
24631      \vskip \skip\@bidi@copyins@
24632      \color@begingroup
24633      \normalcolor
24634      \unvbox \@bidi@copyins@
24635      \color@endgroup
24636      \fi
24637      }%
24638      \fi
24639 }{}{}
24640
24641 \def\LTRmarginpar{%
24642   \ifhmode
24643     \@bsphack
24644     \@floatpenalty -\@Mii
24645   \else
24646     \@floatpenalty-\@Miii
24647   \fi
24648   \ifinner
24649     \@parmoderr
24650     \@floatpenalty\z@
24651   \else
24652     \@next\@currbox\@freelist{}{}%
24653     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
24654     {\@floatpenalty\z@
24655      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
24656   \fi
24657   \@ifnextchar [\@LTRxmpar\@LTRympar}
24658 \long\def\@LTRxmpar[#1]#2{%
24659   \@LTRsavemarbox\@marbox{#1}%
24660   \@LTRsavemarbox\@currbox{#2}%
24661   \@xympar}
24662 \long\def\@LTRympar#1{%
24663   \@LTRsavemarbox\@marbox{#1}%
24664   \global\setbox\@currbox\copy\@marbox
24665   \@xympar}
24666 \long\def \@LTRsavemarbox #1#2{%
24667   \global\setbox #1%
24668     \color@vbox
24669     \vtop{%
24670       \hsize\marginparwidth
24671       \@parboxrestore
24672       \LTRmarginparreset
24673       #2%
24674       \@minipagefalse

```



```

24675         \outer@nobreak
24676     }%
24677     \color@endbox
24678 }
24679 \def \@LTRmarginparreset {%
24680     \reset@font
24681     \normalsize
24682     \@minipagetrue
24683     \everypar{\@minipagefalse\everypar{}\beginL}%
24684 }
24685 \def\RTLmarginpar{%
24686     \ifhmode
24687         \@bsphack
24688         \@floatpenalty -\@Mii
24689     \else
24690         \@floatpenalty-\@Miii
24691     \fi
24692     \ifinner
24693         \@parmoderr
24694         \@floatpenalty\z@
24695     \else
24696         \@next\@currbox\@freelist{}\}%
24697         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
24698         {\@floatpenalty\z@
24699         \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
24700     \fi
24701     \ifnextchar [\@RTLxmpar\RTLympar}
24702 \long\def\@RTLxmpar[#1]#2{%
24703     \@RTLSavemarbox\@marbox{#1}%
24704     \@RTLSavemarbox\@currbox{#2}%
24705     \@xympar}
24706 \long\def\@RTLympar#1{%
24707     \@RTLSavemarbox\@marbox{#1}%
24708     \global\setbox\@currbox\copy\@marbox
24709     \@xympar}
24710 \long\def \@RTLSavemarbox #1#2{%
24711     \global\setbox #1%
24712         \color@vbox
24713         \vtop{%
24714             \hsize\marginparwidth
24715             \@parboxrestore
24716             \@RTLmarginparreset
24717             #2%
24718             \@minipagefalse
24719             \outer@nobreak
24720             }%
24721     \color@endbox
24722 }
24723 \def \@RTLmarginparreset {%
24724     \reset@font
24725     \normalsize
24726     \@minipagetrue
24727     \everypar{\@minipagefalse\everypar{}\beginR}%
24728 }

```




```

24729 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
24730   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
24731   \if@twocolumn
24732     \if@firstcolumn \@tempcnta\m@ne \fi
24733   \else
24734     \if@mparswitch
24735       \ifodd\c@page \else\@tempcnta\m@ne \fi
24736     \fi
24737     \if@reversemargin \@tempcnta -\@tempcnta \fi
24738   \fi
24739   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
24740   \@tempdima\@mparbottom
24741   \advance\@tempdima -\@pageht
24742   \advance\@tempdima\ht\@marbox
24743   \ifdim\@tempdima >\z@
24744     \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
24745   \else
24746     \@tempdima\z@
24747   \fi
24748   \global\@mparbottom\@pageht
24749   \global\advance\@mparbottom\@tempdima
24750   \global\advance\@mparbottom\dp\@marbox
24751   \global\advance\@mparbottom\marginparpush
24752   \advance\@tempdima -\ht\@marbox
24753   \global\setbox \@marbox
24754     \vbox {\vskip \@tempdima
24755       \box \@marbox}%
24756   \global \ht\@marbox \z@
24757   \global \dp\@marbox \z@
24758   \kern -\@pagedp
24759   \nointerlineskip
24760   \hb@xt@\columnwidth
24761     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
24762       \hskip\columnwidth \hskip\marginparsep
24763     \else
24764       \hskip -\marginparsep \hskip -\marginparwidth
24765     \fi
24766     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\
24767   \nointerlineskip
24768   \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
24769 \long\def\@ympar#1{%
24770   \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
24771   \global\setbox\@currbox\copy\@marbox
24772   \@xympar}
24773 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
24774 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
24775 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
24776 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
24777   \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
24778 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
24779   \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
24780   \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
24781   \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
24782 \fi}

```



```

24783
24784 \newcommand*{\bidi@font@@outputpage}{\}
24785
24786 \def\bidi@outputpage{%
24787 \begingroup          % the \endgroup is put in by \aftergroup
24788 \let \protect \noexpand
24789 \@resetactivechars
24790 \global\let\@if@newlist@if@newlist
24791 \global\@newlistfalse
24792 \@parboxrestore
24793 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
24794 \bidi@beforeoutputpageshipouthook
24795 \shipout \vbox{%
24796   \set@typeset@protect
24797   \aftergroup \endgroup
24798   \aftergroup \set@typeset@protect
24799               % correct? or just restore by ending
24800               % the group?
24801 \if@specialpage
24802   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
24803 \fi
24804 \if@twoside
24805   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
24806   \if@RTLmain
24807     \let\@themargin\evensidemargin
24808   \else
24809     \let\@themargin\oddsidemargin
24810   \fi
24811 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
24812 \if@RTLmain
24813   \let\@themargin\oddsidemargin
24814 \else
24815   \let\@themargin\evensidemargin
24816 \fi
24817 \fi
24818 \ifx\@thehead\@empty \let\@thehead\hfil \fi
24819 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
24820 \else %% not @twoside
24821 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
24822 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
24823 \fi
24824 \reset@font
24825 \normalsize
24826 \bidi@font@@outputpage
24827 \normalsfcodes
24828 \let\label\@gobble
24829 \let\index\@gobble
24830 \let\glossary\@gobble
24831 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
24832 \@begindvi
24833 \vskip \topmargin
24834 \moveright\@themargin \vbox {%
24835   \global\let\bidi@BeforeHeader\@firstofone
24836   \bidi@beforeheaderhook

```



```

24837 \setbox\@tempboxa \vbox to\headheight{%
24838 \vfil
24839 \color@hbox
24840 \normalcolor
24841 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
24842 \color@endbox
24843 }% %% 22 Feb 87
24844 \dp\@tempboxa \z@
24845 \box\@tempboxa
24846 \vskip \headsep
24847 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
24848 \bidi@beforeoutputboxoutputpagehook
24849 \box\@outputbox
24850 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
24851 \bidi@afteroutputboxoutputpagehook
24852 \global\let\@bidi@BeforeFooter\@firstofone
24853 \bidi@beforefooterhook
24854 \baselineskip \footskip
24855 \color@hbox
24856 \normalcolor
24857 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@
24858 \color@endbox
24859 \global\let\@bidi@AfterFooter\@firstofone
24860 \bidi@afterfooterhook
24861 }%
24862 }%
24863 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
24864 \bidi@afteroutputpageshipouthook
24865 \global\let\if@newlist\@if@newlist
24866 \global \@colht \textheight
24867 \stepcounter{page}%
24868 \let\firstmark\botmark
24869 \global\let\@bidi@AtEndOutputPage\@firstofone
24870 \bidi@atendoutputpagehook
24871 }
24872 \long\def\@makecaption#1#2{%
24873 \vskip\abovecaptionskip
24874 \sbox\@tempboxa{#1: #2}%
24875 \ifdim \wd\@tempboxa >\hsize
24876 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
24877 \else
24878 \global \@minipagefalse
24879 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
24880 \fi
24881 \vskip\belowcaptionskip}
24882 \let\@bidi@saves@eqno=\eqno
24883 \let\@bidi@saves@leqno=\leqno
24884 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saves@leqno \else \bidi@saves@eqno \fi}
24885 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saves@eqno \else \bidi@saves@leqno \fi}
24886 \ApplyPatchIfPackageLoadedF{amsmath}{
24887 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
24888 }
24889 \input{footnote-xetex-bidi.def}
24890 \if@twocolumn

```



```

24891 \let\autofootnoterule\relax
24892 \let\leftfootnoterule\relax
24893 \let\rightfootnoterule\relax
24894 \textwidthfootnoterule
24895 \fi
24896 \if@bidi@csundef{@idxitem}{\}{%
24897 \renewcommand{@idxitem}{\par\hangindent \if@RTL-\fi40\p@}%
24898 }
24899
24900 \ApplyPatchToClassesIfPackageLoadedF{%
24901   book, %
24902   report %
24903 }{flowfram}
24904
24905 \ApplyPatchToPackageIfPackageLoadedF{float}{floatrow}
24906
24907 \ApplyPatchToFilesIfPackageLoadedF{amsmath}{%
24908   fleqn, %
24909   leqno%
24910 }[clo]
24911
24912 \ApplyPatchToClasses{%
24913   amsart, %
24914   amsbook, %
24915   article, %
24916   artikel1, %
24917   artikel2, %
24918   artikel3, %
24919   beamer, %
24920   boek, %
24921   boek3, %
24922   bookest, %
24923   combine, %
24924   extbook, %
24925   extletter, %
24926   extarticle, %
24927   extreport, %
24928   imsproc, %
24929   letter, %
24930   memoir, %
24931   rapport1, %
24932   rapport3, %
24933   refrep, %
24934   scrartcl, %
24935   scrbook, %
24936   scrreprt %
24937 }
24938
24939 \ApplyPatchToPackages{%
24940   adjmulticol, %
24941   algorithm2e, %
24942   amsmath, %
24943   amstext, %
24944   amsthm, %

```



24945 arydshln, %
 24946 array, %
 24947 beamerbaseauxtemplates, %
 24948 beamerbaseboxes, %
 24949 beamerbasecolor, %
 24950 beamerbasecompatibility, %
 24951 beamerbaseframecomponents, %
 24952 beamerbaseframesize, %
 24953 beamerbaselocalstructure, %
 24954 beamerbasemisc, %
 24955 beamerbasenavigation, %
 24956 beamerbaseoverlay, %
 24957 beamerinnerthemecircles, %
 24958 beamerinnerthemedefault, %
 24959 beamerinnerthemefocus, %
 24960 beamerinnerthemeinmargin, %
 24961 beamerinnerthememetropolis, %
 24962 beamerinnerthemerectangles, %
 24963 beamerinnerthemrounded, %
 24964 beamerouterthemedefault, %
 24965 beamerouterthemefocus, %
 24966 beamerouterthemeinfolines, %
 24967 beamerouterthememetropolis, %
 24968 beamerouterthememiniframes, %
 24969 beamerouterthemesidebar, %
 24970 beamerouterthemesplit, %
 24971 beamerouterthemeshadow, %
 24972 beamerouterthesmoothbars, %
 24973 beamerouterthesmoothtree, %
 24974 beamerouterthemetree, %
 24975 beamerthemeHannover, %
 24976 beamerthemeSingapore, %
 24977 breqn, %
 24978 cals, %
 24979 caption, %
 24980 caption3, %
 24981 color, %
 24982 colortbl, %
 24983 crop, %
 24984 cuted, %
 24985 cutwin, %
 24986 dblfnote, %
 24987 diagbox, %
 24988 draftwatermark, %
 24989 eso-pic, %
 24990 empheq, %
 24991 fancybox, %
 24992 fancyhdr, %
 24993 fix2col, %
 24994 float, %
 24995 floatrow, %
 24996 flowfram, %
 24997 fnpct, %
 24998 footnotebackref, %



```

24999 framed, %
25000 ftnright, %
25001 geometry, %
25002 graphicx, %
25003 hvfloat, %
25004 hyperref, %
25005 lettrine, %
25006 lineno, %
25007 listings, %
25008 longtable, %
25009 lscape, %
25010 mathtools, %
25011 mdframed, %
25012 media9, %
25013 midfloat, %
25014 minitoc, %
25015 multicol, %
25016 multienum, %
25017 natbib, %
25018 newfloat, %
25019 nicematrix, %
25020 ntheorem, %
25021 ntheorem-hyper, %
25022 overpic, %
25023 pdfbase, %
25024 pdfscape, %
25025 pgfsys, %
25026 picinpar, %
25027 quotchap, %
25028 ragged2e, %
25029 rotating, %
25030 sidecap, %
25031 soul, %
25032 stabular, %
25033 subfigure, %
25034 tabs, %
25035 tabularx, %
25036 tabulary, %
25037 tcolorbox, %
25038 thmbox, %
25039 titlesec, %
25040 titletoc, %
25041 tocbasic, %
25042 tocbibind, %
25043 tocloft, %
25044 tocstyle, %
25045 todonotes, %
25046 wrapfig, %
25047 xcolor, %
25048 xltextra %
25049 }
25050
25051 \ApplyPatchToFiles{%
25052 pgfcorescopes.code, %

```



```

25053 pstricks %
25054 }[tex]
25055
25056 \ApplyPatchToFile{tc-xetex}
25057

```

164 File xltextra-xetex-bidi.def

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25058 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package f
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25060 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
25061 \let\@XeLaTeX\XeLaTeX
25062 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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