



The bidi Package

Source documentation for [version 40.8](#)

to my Master, *Ferdowsi The Great*

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

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

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

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

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

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

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The *bidi* Package

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

Source documentation for [version 40.8](#)

Vafa Khalighi*

December 28, 2024

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*Thanks to the `bidi-tex` GitHub organization consisted of David Carlisle and other members of the $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ 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\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\
13 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \kern-.4\p@
28 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29 \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \reset@font%
38 \bidi@@footnotetext@font% \normalfont\footnotesize
39 \interlinepenalty\interfootnotelinepenalty
40 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41 \floatingpenalty\@MM \hsize\columnwidth
42 \@parboxrestore \parindent\normalparindent \sloppy
43 \protected@edef\@currentlabel{%
44 \csname p@footnote\endcsname\@thefnmark}%
45 \@makefnmark%
46 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
47
48 \long\def\@RTLfootnotetext#1{%
49 \insert\footins{%
50 \@RTLtrue%
51 \reset@font%
52 \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
```



```

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

```



```

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

```

2 File adjmulticol-xetex-bidi.def

```

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

```




```

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

```

3 File algorithm2e-xetex-bidi.def

```

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

```

4 File amsbook-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

5 File amsmath-xetex-bidi.def

```

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

```

6 File amstext-xetex-bidi.def

```

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

```

7 File amsthm-xetex-bidi.def

```

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

```

8 File array-xetex-bidi.def

```

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

```



```

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

```



```

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

```

9 File article-xetex-bidi.def

```

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

```



```

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

```



```

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

```




```

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

```



```

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

```

10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

11 File artikel2-xetex-bidi.def

```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```

12 File artikel3-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

13 File arydshln-xetex-bidi.def

```

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

```




```

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

```



```

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

```



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

14 File beamer-xetex-bidi.def

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

15 File beamerbaseauxtemplates-xetex-bidi.def

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



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```

16 File beamerbaseboxes-xetex-bidi.def

```

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

```



```

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

```



```

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

```

17 File beamerbasecolor-xetex-bidi.def

```

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

```



```

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

```

18 File beamerbasecompatibility-xetex-bidi.def

```

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

```



19 File beamerbaseframecomponents-xetex-bidi.def

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



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```

20 File beamerbaseframesize-xetex-bidi.def

```

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

```



```

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

```



```

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

```

21 File beamerbaselocalstructure-xetex-bidi.def

```

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

```



```

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

```



```

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

```

22 File beamerbasemisc-xetex-bidi.def

```

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

```

23 File beamerbasenavigation-xetex-bidi.def

```

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

```




```

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

```



```

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

```



2795
2796

24 File beamerbaseoverlay-xetex-bidi.def

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

25 File beamerinnerthemedefault-xetex-bidi.def

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



```

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

```



```

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

```



```

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

```

26 File beamerinnerthemecircles-xetex-bidi.def

```

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

```



3002

27 File beamerinnerthemefocus-xetex-bidi.def

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



```

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

```

28 File beamerinnerthemeinmargin-xetex-bidi.def

```

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

```




```

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

```



```

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

```

29 File beamerinnerthememetropolis-xetex-bidi.def

```

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

```



```

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

```



```

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

```

30 File beamerinnerthemerectangles-xetex-bidi.def

```

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

```

31 File beamerinnerthemrounded-xetex-bidi.def

```

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

```

32 File beamerouterthemedefault-xetex-bidi.def

```

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

```



```

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

```



```

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

```

33 File beamerouterthemefocus-xetex-bidi.def

```

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

```



```

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

```

34 File beamerouterthemeinfoclines-xetex-bidi.def

```

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

```



```

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

```

35 File beamerouterthememetroplit-xetex-bidi.def




```

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

```

36 File beamerouterthememiniframes-xetex-bidi.def

```

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

```



37 File beamerouterthemesidebar-xetex-bidi.def

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



```

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

```



```

3672     \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3673     \vskip1.25em%
3674   }%
3675   \insertverticalnavigation{\beamer@sidebarwidth}%
3676   \vfill
3677   \ifx\beamer@sidebarside\beamer@lefttext%
3678   \else%
3679     \usebeamerfont{normal text}%
3680     \llap{\usebeamerfont{navigation symbols}\hspace0.1cm}%
3681     \vskip2pt%
3682   \fi%
3683 }%
3684 \fi
3685

```

38 File beamerouterthemesplit-xetex-bidi.def

```

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

```

39 File beamerouterthemeshadow-xetex-bidi.def

```

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

```



```

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

```



3774
3775

40 File beamerouterthemessmoothbars-xetex-bidi.def

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



```

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

```

41 File beamerouterthemesmoothtree-xetex-bidi.def

```

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

```



```

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

```




```

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

```

42 File beamerouterthemetree-xetex-bidi.def

```

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

```



```

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

```

43 File beamerthemeHannover-xetex-bidi.def

```

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

```

44 File beamerthemeSingapore-xetex-bidi.def

```

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

```



```

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

```

45 File bidi.sty

```

4038 \NeedsTeXFormat{LaTeX2e}
4039 \def\bididate{2024/12/28}
4040 \def\bidi@version{40.8}
4041 \def\bidi@releasename{William Paul Thurston}
4042 \newcommand*{\bidireleasename}{\bidi@releasename}
4043 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space (Release \bidi@releasename)\space
4044 Bidirectional typesetting in plain TeX and LaTeX]
4045 \newif\if@bidi@banner
4046 \newif\if@bidi@pdfbanner
4047 \newif\iffootdir@debug
4048 \newif\if@extrafootnotefeatures
4049 \newif\if@nonlatin
4050 \newif\if@bidi@pdfm@mark
4051 \newif\if@bidi@perpage@footnote
4052 \ExplSyntaxOn
4053 \keys_define:nn { bidi }
4054 {
4055   banner .choice: ,
4056   banner / on .code:n = \@bidi@bannertrue ,
4057   banner / off .code:n = \@bidi@bannerfalse ,
4058   banner .default:n = on
4059 }
4060 \keys_define:nn { bidi }
4061 {
4062   PDFbanner .choice: ,
4063   PDFbanner / on .code:n = \@bidi@pdfbannertrue ,
4064   PDFbanner / off .code:n = \@bidi@pdfbannerfalse ,
4065   PDFbanner .default:n = on
4066 }
4067 \keys_define:nn { bidi }
4068 {
4069   RTLdocument .choice: ,
4070   RTLdocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4071   RTLdocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4072   RTLdocument .default:n = on
4073 }
4074 \keys_define:nn { bidi }
4075 {
4076   rldocument .choice: ,
4077   rldocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4078   rldocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4079   rldocument .default:n = on

```



```

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

```



```

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

```



```

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

```



```

4242 \newcommand*\setLTRtable}{\@RTLtabfalse}
4243 \newif\if@RTLMarginpar
4244 \newif\if@LTRmarginpar
4245 \newif\if@LTRbibitems
4246 \newif\if@RTLbibitems
4247 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
4248 \newif\if@bidi@list@minipage@parbox
4249 \newif\if@bidi@list@minipage@parbox@not@nob
4250 \newcommand*\@bidi@pdfcreator}{%
4251   The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4252 }
4253 \newcommand*\@bidi@pdfproducer}{%
4254   The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4255 }
4256 \newcommand*\@bidi@pdfcustomproperties}{%
4257   This is the bidi package, Version \bidi@version\space (Release \bidi@releasename),
4258   Released December 28, 2024.
4259 }
4260 \newcommand*\bidi@beamer@ragged}{%
4261 \@RTLmainfalse
4262 \AtBeginDocument{%
4263   \if@RTLmain\else
4264     \if@RTL\@RTLmaintrue%
4265     \else\@RTLmainfalse%
4266     \fi%
4267 \fi%
4268 }
4269 \let\n@xt=\
4270 \bidi@newrobustcmd*\LRE}{\protect\pLRE}%
4271 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4272 \bidi@newrobustcmd*\RLE}{\protect\pRLE}
4273 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4274 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4275   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4276 \newinsert\@bidi@copyins@
4277 \skip\@bidi@copyins@=12\p@
4278 \dimen\@bidi@copyins@=40pc
4279 \count\@bidi@copyins@=1000
4280 \newcommand*\@bidi@inslogo@{\insert\@bidi@copyins@\@bidi@logo@}
4281 \newcommand*\@bidi@logo@hb@xt@columnwidth}{%
4282   \if@RTLmain
4283     \if@twocolumn
4284       \hboxR to \columnwidth
4285     \else
4286       \hboxR to \textwidth
4287     \fi
4288   \else
4289     \if@twocolumn
4290       \hboxL to \columnwidth
4291     \else
4292       \hboxL to \textwidth
4293     \fi
4294   \fi
4295 }

```



```

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

```




```

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

```



```

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

```

46 File bidi.tex

```

4435 \def\bididate{2024/12/28}
4436 \catcode\@=11
4437 \def\bidi@version{40.8}
4438 \def\bidi@releasename{William Paul Thurston}
4439 \def\bidireleasename{\bidi@releasename}
4440 \let \protect \relax
4441 \newlinechar`\^^J
4442 \edef\@bidi@info{*****\^^J%
4443 * \^^J%
4444 * bidi package (Bidirectional typesetting in\^^J%
4445 * plain TeX and LaTeX, using XeTeX engine)\^^J%
4446 * \^^J%
4447 * Description: A convenient interface for\^^J%
4448 * typesetting bidirectional texts in plain TeX\^^J%
4449 * and LaTeX. The package includes adaptations\^^J%
4450 * for use with many other commonly-used packages.\^^J%
4451 * \^^J%
4452 * Copyright (c) 2007--2025 Vafa Khalighi\^^J%
4453 * Copyright (c) 2018--2020 bidi-tex GitHub organization\^^J%
4454 * \^^J%

```



```

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

```



```

4509 \if@RTLmain
4510 \hboxR to
4511 \else
4512 \hboxL to
4513 \fi
4514 }
4515 \def\@bidi@logo#1{%
4516 \toks@{%
4517 \setbox\z@\hbox{%
4518 \special{%
4519 pdf:image width 50pt height 50pt (#1)%
4520 }
4521 }%
4522 \dp\z@\z@
4523 \ht\z@=50pt
4524 \wd\z@=50pt
4525 \beginL
4526 \lower20pt\box\z@
4527 \endL
4528 }%
4529 \the\toks@
4530 }
4531 \def\two@digits#1{\ifnum#1<10 0\fi\number#1}
4532 \newcount\bidi@typesethour
4533 \newcount\bidi@typesetminute
4534 \bidi@typesethour=\time
4535 \divide\bidi@typesethour 60
4536 \bidi@typesetminute=-\bidi@typesethour
4537 \multiply\bidi@typesetminute 60
4538 \advance\bidi@typesetminute \time
4539 \def\TypesetHour{\two@digits\bidi@typesethour}
4540 \def\TypesetMinute{\two@digits\bidi@typesetminute}
4541 \def\TypesetTime{\TypesetHour:\TypesetMinute}
4542 \def\@bidi@logo@\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset {\today} at {\TypesetTime} by
4543 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
4544 \def\@bidi@pdfcreator{%
4545 The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4546 }
4547 \def\@bidi@pdfproducer{%
4548 The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4549 }
4550 \def\@bidi@pdfcustomproperties{%
4551 This is the bidi package, Version \bidi@version\space (Release \bidi@releasename),
4552 Released December 28, 2024.
4553 }
4554 \def\bidi@pdfm@mark{%
4555 \special{pdf:%
4556 docinfo<<%
4557 \if\bidi@pdfm@mark
4558 /Creator(\@bidi@pdfcreator)%
4559 /Producer(\@bidi@pdfproducer)%
4560 \fi
4561 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4562 >>%

```



```

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

```

47 File bidi2in1.sty

```

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

```



```

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

```

48 File bidicode.sty

```

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

```



```

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

```



```

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

```




```

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

```

49 File bidiftnxtra.sty

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

50 File bidimoderncv.cls

```

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

```



```

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

```



```

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

```



```

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

```




```

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

```

51 File bidi-perpage.sty

```

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

```



```

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

```



```

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

```

52 File biditools.sty

```

5316 \NeedsTeXFormat{LaTeX2e}
5317 \ProvidesPackage{biditools}[2024/12/07 v2.4 Programming tools for bidi package]
5318 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
5319   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5320   \ifx\@tempa\@tempb \global\let#2#1%
5321   \else
5322     \edef\@tempb{\meaning#2}%
5323     \ifx\@tempa\@tempb
5324     \else
5325       \@latex@error{Unable to properly define \string#2; primitive
5326         \noexpand#1no longer primitive}\@eha
5327     \fi
5328   \fi
5329 \endgroup}
5330 \newtoks\@bidi@envbody
5331 \newtoks\@bidi@emptytoks
5332 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5333 \def\bidi@collect@body#1{%
5334   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5335   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentenv}}%
5336   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5337   \begingroup
5338   \expandafter\let\csname\@currentenv\endcsname\bidi@collect@@body
5339   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\endcsname}%
5340   \bidi@process@envbody
5341 }
5342 \def\bidi@push@begins#1\begin#2{%
5343   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
5344 }
5345 \def\bidi@collect@@body#1\end#2{%
5346   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
5347   \ifx\@empty\begin@bidi@stack
5348     \endgroup
5349     \@checkend{#2}%
5350     \bidi@addto@envbody{#1}%
5351   \else
5352     \bidi@addto@envbody{#1\end{#2}}%
5353   \fi
5354   \bidi@process@envbody % A little tricky! Note the grouping

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

5787 }{}%
5788 }
5789
5790 \newcommand*\WriteEndXYPostoaux}{%
5791     \edef\@tempa{%
5792         \write\@auxout{%
5793             \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx}
5794         }%
5795         \write\@auxout{%
5796             \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty}
5797         }%
5798     }%
5799 \if@RTL
5800     \if@filesw
5801         \@tempa
5802     \fi
5803 \pdfsavepos
5804 \else
5805 \pdfsavepos
5806 \if@filesw
5807     \@tempa
5808 \fi
5809 \fi
5810 \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
5811     \PackageWarningNoLine{biditools}{%
5812         The end x position `\

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

6597 \long\def\bidics@liste##1#2##2\biditok@SM
6598   {\biditoks@lista{##1}\biditoks@listb{##2}%
6599   \edef\bidics@listb{\global\bidicsname{##1}=
6600     {\the\biditoks@lista\the\biditoks@listb}}%
6601   \bidics@listb}%
6602   \edef\bidics@lista{\noexpand\bidics@liste{}}\expandafter\the\csname#1\endcsname\noexpand
6603   \bidics@lista \endgroup}
6604 \def\bidicin@front@of@list#1{\bidicsarg{\let\expandafter\bidics@lista}{#1}%
6605   \bidicin@front@of@cslist\bidics@lista}
6606 \long\def\bidicin@front@of@cslist#1#2{\begingroup\biditoks@lista={#2}%
6607   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\biditoks@list
6608   \endgroup}
6609 \long\def\bidilocal@in@front@of@list#1#2{\biditoks@lista={#2}%
6610   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
6611   {\expandafter\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
6612   \expandafter\the\csname#1\endcsname}%
6613   }
6614 \def\bidiset@list#1{\bidicsarg{\let\expandafter\bidics@lista}{#1}%
6615   \bidiset@cslist\bidics@lista}
6616 \long\def\bidiset@cslist#1#2{\begingroup\biditoks@lista={#2}%
6617   \global#1=\expandafter{\the\biditoks@lista}\endgroup}
6618
6619 %%%%%%%%%%%%%%% Stack macros
6620 %
6621 % push in terms of prepending of lists
6622 \def\bidipush@cs@onto@cs#1#2{\@bidiprepnd@to@cslist#1\expandafter{\expandafter\expandafter
6623 \def\bidipush@onto#1{\bidicsarg\bidipush@onto@cs{#1}}
6624 \def\bidipush@onto@cs#1#2{\@bidiprepnd@to@cslist#1}{\{#2}}
6625 \def\bidilocal@push@onto#1#2{\let\relax
6626   \bidilocal@in@front@of@list{#1}{\{#2}}
6627 % pop via auxiliary macro: #1 is result, #2 is stack
6628 % two cs arguments
6629 \def\bidipop@cs@into#1#2{\edef\bidics@e
6630   {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
6631 % two string arguments
6632 \def\bidipop@into#1#2{\edef\bidics@e
6633   {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidipop}
6634 \long\def\@bidipopinto#1#2\#3#4{\@bidipop{#1}{#3}#2{#4}}
6635 \def\bidicopy@stacktop#1#2{%
6636   \edef\bidics@e{\noexpand\@bidicopy@stacktop
6637     {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
6638   \bidics@e}
6639 \def\@bidicopy@stacktop#1\#2#3\@bidipop{\csname#1\endcsname#2\relax}
6640 \newcount\bidistack@length \newtoks\bidie@empty@stack \bidie@empty@stack{\{\}}
6641 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
6642 \def\bidilength@of@csstack#1{\def\advance\bidistack@length\@ne}%
6643   \bidistack@length\@m@ne \the#1}
6644 % turn a stack upside down
6645 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
6646   \biditempcountb\z@ \biditemptoksa\bidie@empty@stack
6647   \loop\ifnum\biditempcountb<\bidistack@length
6648     \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\@m@ne
6649     \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
6650 %   \bidipush@cs@onto@cs\biditemptoksb\biditemptoksa% append a to b

```



```

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

```



```

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

```



```

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

```



```

6813 % }
6814
6815 % infinite loop
6816 %\looprepeat \doloopbody {}
6817
6818 \renewcommand{\InputIfFileExists}[2]{%
6819 \begingroup\expandafter\expandafter\expandafter\endgroup
6820 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
6821 \expandafter\@secondoftwo
6822 \else
6823 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
6824 \expandafter\@firstoftwo
6825 \fi
6826 {%
6827 \expandafter\InputIfFileExists\expandafter{\csname
6828 #1-@bidi@alias\endcsname}{#2}%
6829 }%
6830 {\IfFileExists{#1}{%
6831 \bidi@load@hook{before}{#1}%
6832 #2\@addtofilelist{#1}%
6833 \@input \@file@und
6834 \bidi@load@hook{after}{#1}%
6835 }}%
6836 }
6837
6838 \newcommand*\bidi@loadwithoptions{}
6839 \newcommand*\bidi@loadwithoptions{}
6840 \let\bidi@loadwithoptions\@loadwithoptions
6841
6842 \renewcommand*\@loadwithoptions}[3]{%
6843 \begingroup\expandafter\expandafter\expandafter\endgroup
6844 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
6845 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
6846 \else
6847 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
6848 \def\bidi@loadwithoptions{%
6849 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
6850 }%
6851 \fi
6852 \bidi@loadwithoptions
6853 }
6854
6855 \newcommand*\bidi@onefilewithoptions{}
6856 \let\bidi@onefilewithoptions\@onefilewithoptions
6857 \def\@onefilewithoptions#1[#2][#3]#4{%
6858 \begingroup\expandafter\expandafter\expandafter\endgroup
6859 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
6860 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
6861 \else
6862 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
6863 \edef\bidi@onefilewithoptions{%
6864 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
6865 \fi
6866 \bidi@onefilewithoptions[#{#2}][#{#3}]{#4}%

```



```

6867 \bidi@load@hook{lateafter}{#1.#4}%
6868 }
6869
6870 \newcommand*\bidi@ReplaceInput}[2]{%
6871 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
6872 }
6873
6874 \newcommand*\bidi@UnReplaceInput}[1]{%
6875 \ifcsname #1-@bidi@alias\endcsname
6876 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
6877 \fi
6878 }
6879
6880 \newcommand*\@bidi@replacefilewithext}[3]{%
6881 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
6882 }
6883 \newcommand*\bidi@ReplacePackage}[2]{%
6884 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
6885 }
6886 \newcommand*\bidi@ReplaceClass}[2]{%
6887 \@bidi@replacefilewithext{#1}{#2}\@clsextension
6888 }
6889 \newcommand*\@bidi@unreplacefilewithext}[2]{%
6890 \ifcsname #1.#2-@bidi@aliasname\endcsname
6891 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
6892 \fi
6893 }
6894 \newcommand*\bidi@UnReplacePackage}[1]{%
6895 \@bidi@unreplacefilewithext{#1}\@pkgextension
6896 }
6897 \newcommand*\bidi@UnReplaceClass}[1]{%
6898 \@bidi@unreplacefilewithext{#1}\@clsextension
6899 }
6900 \newcommand*\bidi@replacefile@msg}[2]{%
6901 \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
6902 }
6903
6904 \newcommand*\bidi@load@hook}[2]{%
6905 \@ifundefined{#2-@#1}{-%
6906 \nameuse{#2-@#1}%
6907 \expandafter\let\csname #2-@#1\endcsname=\relax}}
6908 \newcommand*\bidi@set@load@hook}[2]{%
6909 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{-%
6910 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
6911 \newcommand*\bidi@BeforeFile}{\bidi@set@load@hook{before}}
6912 \newcommand*\bidi@AfterFile}{\bidi@set@load@hook{after}}
6913 \newcommand*\bidi@BeforeClass}[1]{%
6914 \bidi@set@load@hook{before}{#1.\@clsextension}}
6915 \newcommand*\bidi@AfterClass}{%
6916 \@ifstar {\@s@bidi@AfterClass}{%
6917 \ifnextchar +\@@bidi@AfterClass{%
6918 \ifnextchar !\@@@bidi@AfterClass\@bidi@AfterClass
6919 }%
6920 }%

```




```

6921 }
6922
6923 \newcommand*{\@@@bidi@AfterClass}[2]{%
6924   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
6925     \aftergroup\@s@bidi@AfterClass
6926   \else
6927     \aftergroup\bidi@AfterAtEndOfClass
6928   \fi
6929   \endgroup{#2}%
6930 }
6931
6932 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
6933   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
6934 \newcommand*{\@@@bidi@AfterClass}[2]{%
6935   \begingroup
6936     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
6937       \aftergroup\@s@bidi@AfterClass
6938     \else
6939       \aftergroup\@bidi@AfterClass
6940     \fi
6941   \endgroup{#2}%
6942 }
6943
6944 \newcommand*{\@bidi@AfterClass}[1]{%
6945   \bidi@set@load@hook{after}{#1.\@clsextension}}
6946 \newcommand*{\@s@bidi@AfterClass}[1]{%
6947   \begingroup
6948     \@ifclassloaded{#1}{%
6949       \aftergroup\@secondoftwo
6950     }{%
6951       \aftergroup\@bidi@AfterClass
6952     }%
6953   \endgroup
6954   {#1}%
6955 }
6956
6957
6958 \newcommand*{\bidi@BeforePackage}[1]{%
6959   \bidi@set@load@hook{before}{#1.\@pkgextension}}
6960 \newcommand*{\bidi@AfterPackage}{%
6961   \@ifstar {\@s@bidi@AfterPackage}{%
6962     \@ifnextchar +\@@@bidi@AfterPackage{%
6963       \@ifnextchar !\@@@bidi@AfterPackage\@bidi@AfterPackage
6964     }%
6965   }%
6966 }
6967 \newcommand*{\@@@bidi@AfterPackage}[2]{%
6968   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
6969     \aftergroup\@s@bidi@AfterPackage
6970   \else
6971     \aftergroup\bidi@AfterAtEndOfPackage
6972   \fi
6973   \endgroup{#2}%
6974 }

```



```

6975 \newcommand*\@bidi@AfterAtEndOfPackage}[1]{%
6976   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
6977 \newcommand*\@bidi@AfterPackage}[2]{%
6978   \begingroup
6979     \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
6980     \aftergroup\@s@bidi@AfterPackage
6981     \else
6982     \aftergroup\@bidi@AfterPackage
6983     \fi
6984   \endgroup{#2}%
6985 }
6986 \newcommand*\@bidi@AfterPackage}[1]{%
6987   \bidi@set@load@hook{after}{#1.\@pkgextension}}
6988 \newcommand*\@s@bidi@AfterPackage}[1]{%
6989   \begingroup
6990     \@ifpackageloaded{#1}{%
6991       \aftergroup\@secondoftwo
6992     }{%
6993       \aftergroup\@bidi@AfterPackage
6994     }%
6995   \endgroup
6996   {#1}%
6997 }
6998
6999 \newcommand*\@bidi@excludedpackages}{-}
7000 \let\bidi@excludedpackages\@empty
7001 \newcommand*\@bidi@s@saved@RequirePackage}{-}
7002 \newcommand*\@bidi@PreventPackageFromLoading}{%
7003   \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
7004           {\@bidi@PreventPackageFromLoading\PackageWarning}%
7005 }
7006 \newcommand*\@bidi@PreventPackageFromLoading}[1]{%
7007   \@ifnextchar [%]
7008     {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
7009 }
7010 \newcommand*\@bidi@PreventPackageFromLoading}{-}
7011
7012 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
7013   \edef\reserved@b{\zap@space#3 \@empty}%
7014   \ifx \reserved@b\@empty
7015     #1{biditools}{%
7016       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
7017       argument ignored%
7018     }%
7019   \else
7020     \ifx\bidi@excludedpackages\@empty
7021       \let\bidi@s@saved@RequirePackage\RequirePackage
7022       \let\RequirePackage\bidi@RequirePackage
7023       \def\reserved@a##1##{%
7024         \@latex@error
7025         {\noexpand \usepackage before \string\documentclass}%
7026         {\noexpand \usepackage may only appear in the document
7027         preamble, i.e.,\MessageBreak
7028         between \noexpand\documentclass and

```



```

7029     \string\begin{document}.}%
7030     \@gobble}%
7031 \ifx\reserved@a\usepackage\else
7032     \ifx\usepackage\bidid@saved@RequirePackage\else
7033     \PackageWarning{biditools}{%
7034         Maybe serious problem: unexpected definition of\MessageBreak
7035     \string\usepackage
7036     }%
7037     \fi
7038 \let\usepackage\RequirePackage
7039 \fi
7040 \fi
7041 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
7042 \reserved@b\do {%
7043     \ifx\reserved@a\@empty
7044     #1{biditools}{%
7045         empty package argument for
7046         \string\bidid@PreventPackageFromLoading\MessageBreak
7047         ignored%
7048     }%
7049 \else
7050     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
7051     #1{biditools}{%
7052         package `\'reserved@a' already loaded.\MessageBreak
7053         Cannot prevent it from being loaded%
7054     }%
7055 }{%
7056     \edef\bidid@excludedpackages{\bidid@excludedpackages,%
7057     \reserved@a}%
7058     \if\relax\detokenize{#2}\relax\else
7059     \@ifundefined{bidid@exclude@package@\reserved@a @do}{%
7060     \@namedef{bidid@exclude@package@\reserved@a @do}{}%
7061     }{%
7062     \expandafter\def
7063     \csname bidid@exclude@package@\reserved@a
7064     @do\expandafter\expandafter\expandafter\endcsname
7065     \expandafter\expandafter\expandafter{%
7066     \csname bidid@exclude@package@\reserved@a @do\endcsname
7067     #2%
7068     }%
7069     \fi
7070     }%
7071 \fi
7072 }%
7073 \ifx\bidid@excludedpackages\@empty
7074 \bidid@ResetPreventPackageFromLoading
7075 \fi
7076 \fi
7077 }
7078
7079 \@onlypreamble\bidid@PreventPackageFromLoading
7080 \newcommand*{\bidid@ResetPreventPackageFromLoading}{%
7081 \let\bidid@excludedpackages\@empty
7082 \ifx\RequirePackage\bidid@RequirePackage

```



```

7083 \ifx\usepackage\RequirePackage
7084 \let\usepackage\bidisaved@RequirePackage
7085 \fi
7086 \let\RequirePackage\bidisaved@RequirePackage
7087 \fi
7088 }
7089 \@onlypreamble\bidis@ResetPreventPackageFromLoading
7090 \newcommand*{\bidis@StorePreventPackageFromLoading}[1]{%
7091 \let#1\bidis@excludedpackages
7092 }
7093 \@onlypreamble\bidis@StorePreventPackageFromLoading
7094 \newcommand*{\bidis@UnPreventPackageFromLoading}{%
7095 \ifstar {\@tempswatrue\@bidis@UnPreventPackageFromLoading}%
7096 {\@tempswafalse\@bidis@UnPreventPackageFromLoading}%
7097 }
7098
7099 \newcommand*{\@bidis@UnPreventPackageFromLoading}[1]{%
7100 \edef\reserved@b{\zap@space#1 \@empty}%
7101 \if@tempswa
7102 \for\reserved@a=\reserved@b\do {%
7103 \ifx\reserved@a\@empty \else
7104 \ifcsname bidis@exclude@package@\reserved@a @do\endcsname
7105 \expandafter\let
7106 \csname bidis@exclude@package@\reserved@a @do\endcsname
7107 \undefined
7108 \fi
7109 \fi
7110 }%
7111 \fi
7112 \ifcsname bidis@excludedpackages\endcsname
7113 \let\reserved@a\bidis@excludedpackages
7114 \let\bidis@excludedpackages\@empty
7115 \expandafter\@for\expandafter\reserved@c
7116 \expandafter:\expandafter=\reserved@a
7117 \do{%
7118 \ifx\reserved@c\@empty\else
7119 \@expandtwoargs\in@{\reserved@c,}{\reserved@b,}%
7120 \ifin@
7121 \else
7122 \edef\bidis@excludedpackages{%
7123 \bidis@excludedpackages,\reserved@c
7124 }%
7125 \fi
7126 \fi
7127 }%
7128 \ifx\bidis@excludedpackages\@empty\bidis@ResetPreventPackageFromLoading\fi
7129 \fi
7130 }
7131
7132
7133 \newcommand*{\bidis@RequirePackage}[2][ ]{%
7134 \let\reserved@c\@empty
7135 \let\reserved@d\@empty
7136 \edef\reserved@b{\zap@space#2 \@empty}%

```



```

7137 \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
7138 \do {%
7139   \begingroup
7140     \@tempwatruue
7141     \@for\reserved@a:=\bidi@excludedpackages\do {%
7142       \ifx\reserved@a\reserved@b
7143         \@tempwafalse
7144       \fi
7145     }%
7146   \if@tempswa
7147     \xdef\reserved@c{\reserved@c,\reserved@b}%
7148   \else
7149     \ifx\reserved@b\@empty\else
7150       \PackageInfo{biditytools}{Excluding package ` \reserved@b' \MessageBreak
7151         from loading}%
7152       \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
7153         }{%
7154           \expandafter\g@addto@macro\expandafter\reserved@d
7155           \csname bidi@exclude@package@\reserved@b @do\endcsname
7156         }%
7157       \fi
7158     \fi
7159   \endgroup
7160 }%
7161 \ifx\reserved@c\@empty
7162   \let\reserved@a\bidi@gobbleopt
7163 \else
7164   \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]}{%
7165     \expandafter\@gobble\reserved@c\@empty}}%
7166 \fi
7167 \expandafter\reserved@d
7168 \reserved@a
7169 }
7170
7171 \newcommand{\bidi@gobbleopt}[1][{}]{
7172 \AtEndDocument{%
7173   \let\bidi@saved@checkend=\@checkend
7174   \renewcommand*{\@checkend}[1]{%
7175     \def\reserved@a{#1}\def\reserved@b{document}%
7176     \bidi@saved@checkend{#1}%
7177     \ifx\reserved@a\reserved@b
7178       \let\bidi@saved@clearpage=\clearpage
7179       \renewcommand*{\clearpage}{\bidi@saved@clearpage
7180         \bidi@hook@bcma
7181         \bidi@restore@newpage
7182         \let\clearpage=\bidi@saved@clearpage}%
7183     \fi%
7184     \let\bidi@saved@dofilelist\@dofilelist
7185     \def\@dofilelist{%
7186       \bidi@hook@acma
7187       \let\@dofilelist\bidi@saved@dofilelist
7188       \bidi@saved@dofilelist
7189     }%
7190 }%

```



```

7191 }
7192
7193
7194 \newcommand*{\bidi@saved@checkend}{}
7195 \newcommand*{\bidi@saved@dofilelist}{}
7196 \newcommand*{\bidi@redefine@newpage}{%
7197   \let\bidi@saved@newpage\newpage
7198   \def\bidi@restore@newpage{%
7199     \renewcommand*{\newpage}{%
7200       \PackageWarningNoLine{%
7201         biditools%
7202       }{%
7203         \string\newpage\space at main aux file!\MessageBreak
7204         You have output material at the main aux file.\MessageBreak
7205         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
7206         are processed before the output from aux file%
7207       }%
7208       \let\newpage\bidi@saved@newpage
7209       \newpage
7210     }%
7211   }%
7212   \renewcommand*{\newpage}{%
7213     \PackageError{%
7214       biditools%
7215     }{%
7216       \string\newpage\space at \string\bidi@BeforeClosingMainAux
7217     }{%
7218       You should never use \string\newpage\space or
7219       \string\clear(double)page or other output material at the\MessageBreak
7220       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
7221       If you'll continue, the \string\newpage\space will be ignored to
7222       avoid corruption of\MessageBreak
7223       every prior use of \string\bidi@BeforeClosingMainAux.
7224     }%
7225   }%
7226 }
7227
7228 \newcommand*{\bidi@restore@newpage}{}
7229 \newcommand*{\bidi@hook@bcma}{}
7230 \newcommand*{\bidi@hook@acma}{}
7231 \newcommand*{\bidi@BeforeClosingMainAux}{%
7232   \ifx\bidi@hook@bcma\@empty
7233     \gdef\bidi@hook@bcma{%
7234       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
7235       \let\protected@write\bidi@protected@immediate@write
7236     }%
7237   }%
7238   \fi
7239   \g@addto@macro\bidi@hook@bcma%
7240 }
7241
7242 \newcommand*{\bidi@AfterReadingMainAux}{%
7243   \ifx\bidi@hook@acma\@empty
7244     \gdef\bidi@hook@acma{%

```



```

7245     \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
7246     \let\protected@write\bidi@protected@immediate@write
7247   }%
7248   \fi
7249   \g@addto@macro\bidi@hook@acma%
7250 }
7251
7252 \long\def\bidi@protected@immediate@write#1#2#3{%
7253   \begingroup
7254     #2%
7255     \let\protect\@unexpandable@protect
7256     \edef\reserved@a{\immediate\write#1{#3}}%
7257     \reserved@a
7258   \endgroup
7259   \if@nbreak\ifvmode\nobreak\fi\fi
7260 }
7261
7262 \def\bidi@patch@counter{0}%
7263 \if@bidi@csundef{numexpr}{%
7264   \def\bidi@patch@stepcounter{%
7265     \begingroup
7266       \count@\bidi@patch@counter\relax
7267       \advance\count@\@ne\relax
7268     \edef\x{\endgroup
7269       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
7270     }%
7271     \x
7272   }%
7273 }{%
7274   \def\bidi@patch@stepcounter{%
7275     \edef\bidi@patch@counter{%
7276       \the\numexpr\bidi@patch@counter+\@ne\relax
7277     }%
7278   }%
7279 }
7280 \def\bidi@patch@list{}
7281 \def\bidi@patch@Add{%
7282   \bidi@appto\bidi@patch@list
7283 }
7284 \def\bidi@patch@AfterPackage#1{%
7285   \@ifpackageloaded{#1}{%
7286     \@firstofone
7287   }{%
7288     \@bidi@patch@AfterPackage{#1}%
7289   }%
7290 }
7291 \def\@bidi@patch@AfterPackage#1{%
7292   \edef\bidi@patch@temp{#1}%
7293   \bidi@patch@stepcounter
7294   \expandafter\bidi@patch@@AfterPackage
7295   \csname @bidi@patch@\bidi@patch@counter\expandafter\endcsname{%
7296     \bidi@patch@temp
7297   }%
7298 }

```



```

7299 \def\bidi@patch@@AfterPackage#1#2#3{%
7300   \begingroup
7301     \toks@{#3}%
7302     \xdef\bidi@patch@gtemp{%
7303       \noexpand\@ifpackageloaded{#2}{%
7304         \noexpand\let\noexpand#1\noexpand\relax
7305         \the\toks@
7306       }{}%
7307     }%
7308   \endgroup
7309   \let#1\bidi@patch@gtemp
7310   \bidi@patch@Add#1%
7311   \bidi@patch@try{\bidi@AfterPackage}{#2}#1%
7312 }
7313
7314 \def\bidi@patch@try#1#2#3{%
7315   \if@bidi@csundef{#1}{}{%
7316     \csname #1\endcsname{#2}{#3}%
7317   }%
7318 }
7319
7320 \AtBeginDocument{\bidi@patch@list}
7321
7322 \bidi@AtEndPreamble{\bidi@patch@list}%
7323
7324 \bidi@AfterEndPreamble{%
7325   \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
7326   \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
7327   \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
7328   \let\bidi@patch@OrgIfClassLater\@ifclasslater
7329   \bidi@patch@list
7330   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
7331   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
7332   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
7333   \let\@ifclasslater\bidi@patch@OrgIfClassLater
7334 }%

```

53 File `biditytfloat.sty`

```

7335 \NeedsTeXFormat{LaTeX2e}
7336 \ProvidesPackage{biditytfloat}[2017/05/19 v0.2
7337 bidi implementation of tufte float]
7338 \RequirePackage{xifthen}
7339 \newcommand{\@biditytfloat@pkgname}{biditytfloat}
7340 \newcommand{\@biditytfloat@Error}[2]{\PackageError{\@biditytfloat@pkgname}{#1}{#2}}
7341 \newcommand{\@biditytfloat@DebugInfoNL}[1]{\ifthenelse{\boolean{@biditytfloat@debug}}{\bid
7342 \newcommand{\@biditytfloat@InfoNL}[1]{\PackageInfo{\@biditytfloat@pkgname}{#1\@gobble}}
7343 \newboolean{@biditytfloat@reversegeometry}
7344 \setboolean{@biditytfloat@reversegeometry}{false}
7345 \DeclareOption{reversegeometry}{\setboolean{@biditytfloat@reversegeometry}{true}}
7346 \newboolean{@biditytfloat@a4paper}
7347 \DeclareOption{a4paper}{\setboolean{@biditytfloat@a4paper}{true}}
7348 \newboolean{@biditytfloat@b5paper}
7349 \DeclareOption{b5paper}{\setboolean{@biditytfloat@b5paper}{true}}

```




```

7350 \newboolean{@biditytfloat@symmetric}
7351 \newboolean{@biditytfloat@twoside}
7352 \DeclareOption{twoside}{%
7353 \@twosidetrue \@mparswitchtrue%
7354 \setboolean{@biditytfloat@twoside}{true}%
7355 \setboolean{@biditytfloat@symmetric}{true}%
7356 }
7357 \DeclareOption{oneside}{%
7358 \@twosidefalse \@mparswitchfalse%
7359 \setboolean{@biditytfloat@twoside}{false}%
7360 \setboolean{@biditytfloat@symmetric}{false}%
7361 }
7362 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
7363 \newboolean{@biditytfloat@debug}
7364 \newcommand*{@biditytfloat@caption@justification}{@biditytfloat@justification@autodete
7365 \ProcessOptions
7366 %% Globally sets the length
7367 \newcommand*{\gsetlength}[2]{%
7368 \setlength{#1}{#2}%
7369 \global#1=#1\relax%
7370 }
7371
7372 %% Set the font sizes and baselines to match biditytfloat's books
7373 \renewcommand\normalsize{%
7374 \@setfontsize\normalsize\@xpt{14}%
7375 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7376 \abovedisplayshortskip \z@ \@plus3\p@
7377 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
7378 \belowdisplayskip \abovedisplayskip
7379 \let\@listi\@listI}
7380 \normalbaselineskip=14pt
7381 \normalsize
7382 \renewcommand\footnotesize{%
7383 \@setfontsize\footnotesize\@viipt{10}%
7384 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7385 \abovedisplayshortskip \z@ \@plus\p@
7386 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
7387 \def\@listi{\leftmargin\leftmargini
7388 \topsep 3\p@ \@plus\p@ \@minus\p@
7389 \parsep 2\p@ \@plus\p@ \@minus\p@
7390 \itemsep \parsep}%
7391 \belowdisplayskip \abovedisplayskip
7392 }
7393 %% Paragraph indentation and separation for marginal text
7394 \newcommand{@biditytfloat@margin@par}{%
7395 \setlength{\RaggedRightParindent}{0.5pc}%
7396 \setlength{\JustifyingParindent}{0.5pc}%
7397 \setlength{\parindent}{0.5pc}%
7398 \setlength{\parskip}{Opt}%
7399 }
7400 \RequirePackage{ragged2e}
7401 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
7402 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginp
7403 \ifthenelse{\boolean{@biditytfloat@a4paper}}

```



```

7404 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
7405 {}
7406 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7407 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
7408 }}{%
7409 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
7410 \ifthenelse{\boolean{@biditytfloat@afourpaper}}
7411 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
7412 {}
7413 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7414 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
7415 }}
7416 \ifthenelse{\boolean{@biditytfloat@symmetric}}
7417 {}
7418 {\geometry{asymmetric}}% forces internal LaTeX `twoside'
7419 \setlength\marginparpush{10pt}
7420 %% Font for margin items
7421 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
7422 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
7423 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
7424 \newcommand{\@biditytfloat@justification}{\justifying}%
7425 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7426 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7427 \newboolean{@biditytfloat@changeage}
7428 \IfFileExists{changeage.sty}{%
7429 \biditytfloatDebugInfoNL{Found changeage.sty}
7430 \RequirePackage[strict]{changeage}
7431 \setboolean{@biditytfloat@changeage}{true}
7432 }{%
7433 \biditytfloatDebugInfoNL{Found chngpage.sty}
7434 \RequirePackage[strict]{chngpage}
7435 \setboolean{@biditytfloat@changeage}{false}
7436 }
7437 \newboolean{@biditytfloat@odd@page}
7438 \setboolean{@biditytfloat@odd@page}{true}
7439 \newcommand*{\@biditytfloat@checkoddpage}{%
7440 \checkoddpage%
7441 \ifthenelse{\boolean{@biditytfloat@changeage}}{%
7442 \ifoddpage%
7443 \setboolean{@biditytfloat@odd@page}{true}%
7444 \else%
7445 \setboolean{@biditytfloat@odd@page}{false}%
7446 \fi%
7447 }{%
7448 \ifcpoddpage%
7449 \setboolean{@biditytfloat@odd@page}{true}%
7450 \else%
7451 \setboolean{@biditytfloat@odd@page}{false}%
7452 \fi%
7453 }%
7454 }
7455 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
7456 \newlength{\@biditytfloat@fullwidth}
7457 \newlength{\@biditytfloat@caption@fill}

```



```

7458 \newcommand{\bidituftefloatRecalculate}{%
7459   \setlength{\@bidituftefloat@overhang}{\marginparwidth}
7460   \addtolength{\@bidituftefloat@overhang}{\marginparsep}
7461
7462   \setlength{\@bidituftefloat@fullwidth}{\textwidth}
7463   \addtolength{\@bidituftefloat@fullwidth}{\marginparsep}
7464   \addtolength{\@bidituftefloat@fullwidth}{\marginparwidth}
7465
7466   \setlength{\@bidituftefloat@caption@fill}{\textwidth}
7467   \addtolength{\@bidituftefloat@caption@fill}{\marginparsep}
7468 }
7469 \AtBeginDocument{\bidituftefloatRecalculate}
7470 \RequirePackage{optparams}% provides multiple optional arguments for commands
7471 \RequirePackage{placeins}
7472 \newsavebox{\@bidituftefloat@margin@floatbox}
7473 \newenvironment{@bidituftefloat@margin@float}[2] [-1.2ex]%
7474   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in o
7475   \begin{lrbox}{\@bidituftefloat@margin@floatbox}%
7476   \begin{minipage}{\marginparwidth}%
7477     \@bidituftefloat@caption@font%
7478     \def\@capttype{#2}%
7479     \hbox{ }\vspace*{#1}%
7480     \@bidituftefloat@caption@justification%
7481     \@bidituftefloat@margin@par%
7482     \noindent%
7483   }
7484   {\end{minipage}%
7485   \end{lrbox}%
7486   \marginpar{\usebox{\@bidituftefloat@margin@floatbox}}%
7487 }
7488 \newenvironment{marginfigure}[1] [-1.2ex]%
7489   {\begin{@bidituftefloat@margin@float}[#1]{figure}}
7490   {\end{@bidituftefloat@margin@float}}
7491 \newenvironment{margintable}[1] [-1.2ex]%
7492   {\begin{@bidituftefloat@margin@float}[#1]{table}}
7493   {\end{@bidituftefloat@margin@float}}
7494 \newcommand*{\@bidituftefloat@justification@autodetect}{\justifying}%
7495
7496 \newcommand{\@bidituftefloat@float@debug@info}{}% contains debug info generated as the float
7497 \newcommand{\@bidituftefloat@float@debug}[1]{% adds debug info to the queue for output
7498   \ifthenelse{\equal{\@bidituftefloat@float@debug@info}{}}%
7499     {\def\@bidituftefloat@float@debug@info{#1}}%
7500     {\g@addto@macro{\@bidituftefloat@float@debug@info}{\MessageBreak#1}}%
7501 }
7502 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7503 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidituftefloat@float@debu
7504 \newboolean{@bidituftefloat@float@recto}
7505 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@bidituftefloat@float@recto}{true}\@bidituf
7506 \newcommand{\forceversofloat}{\GlobalSetBoolean{@bidituftefloat@float@recto}{false}\@bidituf
7507 \newsavebox{\@bidituftefloat@figure@box}
7508 \newsavebox{\@bidituftefloat@caption@box}
7509 \let\@bidituftefloat@orig@float\@float
7510 \let\@bidituftefloat@orig@endfloat\end@float
7511 \newlength{\@bidituftefloat@caption@vertical@offset}

```



```

7512 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
7513 \newcommand{\@biditytfloat@stored@shortcaption}{}
7514 \newcommand{\@biditytfloat@stored@caption}{}
7515 \newcommand{\@biditytfloat@stored@label}{}
7516 \long\def\@biditytfloat@caption[#1][#2]#3{%
7517   \ifthenelse{\isempty{#1}}%
7518     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
7519     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
7520   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to l
7521   \gdef\@biditytfloat@stored@caption{#3}%
7522 }
7523 \newcommand{\@biditytfloat@label}[1]{%
7524   \gdef\@biditytfloat@stored@label{#1}%
7525 }
7526 \newcommand{\@biditytfloat@fps}{}
7527 \newboolean{\@biditytfloat@float@star}
7528 \newlength{\@biditytfloat@float@contents@width}
7529 \newenvironment{\@biditytfloat@float}[3][htbp]%
7530   {% begin \@biditytfloat@float
7531     % Should this float be full-width or just text-width?
7532     \ifthenelse{\equal{#3}{star}}%
7533       {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
7534       {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
7535     % Check page side (recto/verso) and store detected value -- can be overridden in environm
7536     \@biditytfloat@checkoddpage%
7537     \ifthenelse{\boolean{\@biditytfloat@odd@page}}%
7538       {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Dete
7539       {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Dete
7540     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
7541     \renewcommand{\@biditytfloat@fps}{#1}%
7542     \@biditytfloat@float@debug{Allowed positions: [#1]}%
7543     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
7544       {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bot
7545       {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top
7546     % Capture the contents of the \caption and \label commands to use later
7547     \global\let\@biditytfloat@orig@caption\caption%
7548     \global\let\@biditytfloat@orig@label\label%
7549     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[[] [Opt]}}%
7550     \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
7551     % Handle subfigure package compatibility
7552     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
7553       \bidi@patchcmd{\subfigure}{%
7554         \let\subfig@oldlabel=\label
7555       }{%
7556         \let\subfig@oldlabel=\@biditytfloat@orig@label
7557       }
7558     }
7559     {}
7560     \let\subtable=\subfigure
7561   }{}% subfigure package is not loaded
7562   \@biditytfloat@orig@float{#2}[#1]%
7563   \ifthenelse{\boolean{\@biditytfloat@float@star}}%
7564     {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
7565     {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%

```



```

7566 \begin{lrbox}{\@biditytfloat@figure@box}%
7567 \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{}%
7568 }{\% end @biditytfloat@float
7569 \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% a
7570 \end{minipage}%
7571 \end{lrbox}%
7572 % build the caption box
7573 \begin{lrbox}{\@biditytfloat@caption@box}%
7574 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
7575 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@cap
7576 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label
7577 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7578 \end{minipage}%
7579 \end{lrbox}%
7580 % now typeset the stored boxes
7581 \begin{fullwidth}%
7582 \begin{minipage}[\floatalignment]{\linewidth}%
7583 \ifthenelse{\boolean{@biditytfloat@float@star}}%
7584 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
7585 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
7586 \end{minipage}%
7587 \end{fullwidth}%
7588 \@biditytfloat@orig@endfloat% end original LaTeX float environment
7589 % output debug info
7590 \ifthenelse{\boolean{@biditytfloat@debug}}{%
7591 \typeout{^^J^^J----- biditytfloat package float information -----}%
7592 \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
7593 {\typeout{Warning: Float unlabeled!}}%
7594 {\typeout{Float label: [\@biditytfloat@stored@label]}}%
7595 \typeout{Page number: [\thepage]}%
7596 \def\MessageBreak{^^J}%
7597 \typeout{\@biditytfloat@float@debug@info}%
7598 \ifthenelse{\boolean{@biditytfloat@symmetric}}%
7599 {\typeout{Symmetric: [true]}}%
7600 {\typeout{Symmetric: [false]}}%
7601 \typeout{-----^^J^^J}%
7602 }{}%
7603 % reset commands and temp boxes and captions
7604 \gdef\@biditytfloat@float@debug@info{}%
7605 \let\caption\@biditytfloat@orig@caption%
7606 \let\label\@biditytfloat@orig@label%
7607 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
7608 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
7609 \gdef\@biditytfloat@stored@shortcaption{}%
7610 \gdef\@biditytfloat@stored@caption{}%
7611 \gdef\@biditytfloat@stored@label{}%
7612 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
7613 }
7614 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
7615 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto
7616 % asymmetric or page is odd, so caption is on the right
7617 \hbox{%
7618 \usebox{#2}%
7619 \hspace{\marginparsep}%

```



```

7620     \smash{\raisebox{#1}{\usebox{#3}}}%
7621   }
7622   \@biditytfloat@float@debug{Caption position: [right]}%
7623 }{% symmetric pages and page is even, so caption is on the left
7624   \hbox{%
7625     \smash{\raisebox{#1}{\usebox{#3}}}%
7626     \hspace{\marginparsep}%
7627     \usebox{#2}%
7628   }
7629   \@biditytfloat@float@debug{Caption position: [left]}%
7630 }%
7631 }
7632 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
7633   \ifthenelse{equal{\floatalignment}{b}}%
7634     {% place caption above figure
7635       \ifthenelse{NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@
7636         {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug
7637         {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug
7638       }{% place caption below figure
7639         \ifthenelse{NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@
7640         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug
7641         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug
7642       }%
7643     }
7644 \renewenvironment{figure}[1][htbp]%
7645   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
7646   {\end{@biditytfloat@float}}
7647 \renewenvironment{table}[1][htbp]
7648   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
7649   {\end{@biditytfloat@float}}
7650 \renewenvironment{figure*}[1][htbp]%
7651   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
7652   {\end{@biditytfloat@float}}
7653 \renewenvironment{table*}[1][htbp]%
7654   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
7655   {\end{@biditytfloat@float}}
7656 \newenvironment{fullwidth}
7657   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
7658     {\ifthenelse{\boolean{@biditytfloat@change page}}{\begin{adjustwidth*}{-}\@biditytfloat@
7659     {\begin{adjustwidth}{-}\@biditytfloat@overhang}}%
7660   }%
7661   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
7662     {\ifthenelse{\boolean{@biditytfloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth}}
7663     {\end{adjustwidth}}}%
7664   }
7665 \long\def\@caption#1[#2]#3{%
7666   \par%
7667   \addcontentsline{\csname ext@#1\endcsname}{#1}%
7668   {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7669   \begingroup%
7670     \@parboxrestore%
7671     \if@minipage%
7672       \@setminipage%
7673     \fi%

```



```

7674 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
7675 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
7676 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
7677 \endgroup}
7678 %%
7679 % Turns newlines into spaces. Based on code from the `titlesec' package.
7680 \DeclareRobustCommand{\@biditytthead@newlinetospace}{%
7681 \@ifstar{\@biditytthead@newlinetospace@i}{\@biditytthead@newlinetospace@i}%
7682 }
7683 \def\@biditytthead@newlinetospace@i{%
7684 \ifdim\lastskip>\z@\else\space\fi
7685 \ignorespaces%
7686 }
7687 \DeclareRobustCommand{\newlinetospace}[1]{%
7688 \let\@biditytthead@orig@cr\% save the original meaning of \
7689 \def\@biditytthead@newlinetospace}% turn \ and \* into \space
7690 \let\newline\% turn \newline into \space
7691 #1%
7692 \let\@biditytthead@orig@cr% revert to original meaning of \
7693 }
7694 \RequirePackage{fancyhdr}
7695 \pagestyle{fancy}
7696 \AtBeginDocument{%
7697 \ifthenelse{\boolean{@biditytfloat@symmetric}}
7698 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
7699 {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
7700 }
7701 % The running heads/feet don't have rules
7702 \renewcommand{\headrulewidth}{0pt}
7703 \renewcommand{\footrulewidth}{0pt}
7704 % The 'fancy' page style is the default style for all pages.
7705 \fancyhf{} % clear header and footer fields
7706 \ifthenelse{\boolean{@biditytfloat@symmetric}}
7707 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7708 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7709 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7710 % The `plain' page style is used on chapter opening pages.
7711 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7712 % bottom of pages -- the folios are unexpressed.
7713 \fancypagestyle{plain}{
7714 \fancyhf{} % clear header and footer fields
7715 % Uncomment the following five lines of code if you want the opening page
7716 % of the chapter to express the folio in the lower outside corner.
7717 % \ifthenelse{\boolean{@biditytfloat@symmetric}}
7718 % {\fancyfoot[LE,RO]{\thepage}}
7719 % {\fancyfoot[RE,RO]{\thepage}}
7720 }
7721 % The `empty' page style suppresses all headers and footers.
7722 % It's used on title pages and `intentionally blank' pages.
7723 \fancypagestyle{empty}{
7724 \fancyhf{} % clear header and footer fields
7725 }
7726 \def\morefloats{% provides a total of 52 floats
7727 \ifthenelse{\isundefined{\bx@S}}{%

```



```

7728 \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
7729 \newinsert\bx@S
7730 \newinsert\bx@T
7731 \newinsert\bx@U
7732 \newinsert\bx@V
7733 \newinsert\bx@W
7734 \newinsert\bx@X
7735 \newinsert\bx@Y
7736 \newinsert\bx@Z
7737 \newinsert\bx@a
7738 \newinsert\bx@b
7739 \newinsert\bx@c
7740 \newinsert\bx@d
7741 \newinsert\bx@e
7742 \newinsert\bx@f
7743 \newinsert\bx@g
7744 \newinsert\bx@h
7745 \newinsert\bx@i
7746 \newinsert\bx@j
7747 \newinsert\bx@k
7748 \newinsert\bx@l
7749 \newinsert\bx@m
7750 \newinsert\bx@n
7751 \newinsert\bx@o
7752 \newinsert\bx@p
7753 \newinsert\bx@q
7754 \newinsert\bx@r
7755 \newinsert\bx@s
7756 \newinsert\bx@t
7757 \newinsert\bx@u
7758 \newinsert\bx@v
7759 \newinsert\bx@w
7760 \newinsert\bx@x
7761 \newinsert\bx@y
7762 \newinsert\bx@z
7763 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7764 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7765 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7766 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7767 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7768 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7769 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7770 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7771 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7772 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7773 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7774 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
7775 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
7776 \ifthenelse{\isundefined{\bx@AA}}{%
7777 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
7778 \newinsert\bx@AA
7779 \newinsert\bx@BB
7780 \newinsert\bx@CC
7781 \newinsert\bx@DD

```




```

7782 \newinsert\bx@EE
7783 \newinsert\bx@FF
7784 \newinsert\bx@GG
7785 \newinsert\bx@HH
7786 \newinsert\bx@II
7787 \newinsert\bx@JJ
7788 \newinsert\bx@KK
7789 \newinsert\bx@LL
7790 \newinsert\bx@MM
7791 \newinsert\bx@NN
7792 \newinsert\bx@OO
7793 \newinsert\bx@PP
7794 \newinsert\bx@QQ
7795 \newinsert\bx@RR
7796 \newinsert\bx@SS
7797 \newinsert\bx@TT
7798 \newinsert\bx@UU
7799 \newinsert\bx@VV
7800 \newinsert\bx@WW
7801 \newinsert\bx@XX
7802 \newinsert\bx@YY
7803 \newinsert\bx@ZZ
7804 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7805 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7806 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7807 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7808 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7809 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7810 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7811 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7812 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7813 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7814 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7815 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
7816 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
7817 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
7818 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
7819 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7820 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7821 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7822 }{%
7823 \bidituftefloatError{You may only call \string\morefloats\space twice. See the\Message
7824 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space on
7825 }%
7826 }%
7827 }
7828 \newboolean{@bidituftefloat@packages@subfigure}
7829 \setboolean{@bidituftefloat@packages@subfigure}{false}
7830 \AtBeginDocument{%
7831 \@ifpackageloaded{subfigure}
7832 {\GlobalSetBoolean{@bidituftefloat@packages@subfigure}{true}}
7833 {\GlobalSetBoolean{@bidituftefloat@packages@subfigure}{false}}%
7834 }
7835 \AtBeginDocument{%

```



```

7836 \@ifpackageloaded{float}{%
7837   % Save the redefined float environment (instead of the LaTeX float environment)
7838   \let\@biditytfloat@orig@float\float
7839   \let\@biditytfloat@orig@endfloat\endfloat
7840
7841   % Define Tuftian float styles (with the caption in the margin)
7842   \newcommand{\floatc@biditytfloatplain}[2]{%
7843     \begin{lrbox}{\@biditytfloat@caption@box}%
7844       \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
7845         \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
7846       }\end{minipage}%
7847     \end{lrbox}%
7848     \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
7849   }
7850   \newcommand{\fs@biditytfloatplain}{%
7851     \def\@fs@cfont{\@biditytfloat@caption@font}%
7852     \let\@fs@capt\floatc@biditytfloatplain%
7853     \def\@fs@pre{}%
7854     \def\@fs@post{}%
7855     \def\@fs@mid{}%
7856     \let\@fs@iftopcapt\iftrue%
7857   }
7858   \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
7859   \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
7860   \newcommand\floatc@biditytfloatruled[2]{%
7861     {\@fs@cfont #1} #2\par%
7862   }
7863   \newcommand\fs@biditytfloatruled{%
7864     \def\@fs@cfont{\@biditytfloat@caption@font}%
7865     \let\@fs@capt\floatc@biditytfloatplain%
7866     \def\@fs@pre{\hrule height .8pt depth 0pt width \textwidth \kern 2pt}%
7867     \def\@fs@post{\kern 2pt \hrule width \textwidth \relax}%
7868     \def\@fs@mid{}%
7869     \let\@fs@iftopcapt\iftrue%
7870   }
7871   \newcommand\fs@biditytfloatboxed{%
7872     \def\@fs@cfont{}%
7873     \let\@fs@capt\floatc@biditytfloatplain%
7874     \def\@fs@pre{%
7875       \setbox\@currbox\ vbox{\hbadness 10000
7876         \moveleft 3.4pt \vbox{\advance \hsize by 6.8pt
7877           \hrule \hbox to \hsize{\vrule \kern 3pt
7878             \vbox{\kern 3pt \box\@currbox \kern 3pt}\kern 3pt \vrule}\hrule}}
7879     }%
7880     \def\@fs@mid{\kern 2pt}%
7881     \def\@fs@post{}%
7882     \let\@fs@iftopcapt\iftrue%
7883   }
7884 }{%
7885   % Nothing to do
7886 }
7887 }
7888 \AtBeginDocument{%
7889   \@ifpackageloaded{algorithm}{%

```



```

7890 % Set the float style to the Tuftian version
7891 \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\AL
7892 \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBrea
7893 \floatstyle{\bidituftefloat\ALG@floatstyle}%
7894 \restylefloat{algorithm}%
7895 }{}}%
7896 }{%
7897 % Nothing to do
7898 }
7899 }
7900 \PassOptionsToPackage{caption=false}{subfig}

```

54 File `bidituftesidenote.sty`

```

7901 \NeedsTeXFormat{LaTeX2e}
7902 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
7903 bidi implementation of tufte sidenote]
7904 \RequirePackage{xifthen}
7905 \RequirePackage{ragged2e}
7906 \RequirePackage{setspace}
7907 \RequirePackage{biditools}
7908 \def\bidituftesidenotemarginpar{%
7909 \ifhmode
7910 \@bsphack
7911 \@floatpenalty -\@Mii
7912 \else
7913 \@floatpenalty -\@Miii
7914 \fi
7915 \ifinner
7916 \@parmoderr
7917 \@floatpenalty\z@
7918 \else
7919 \@next\@currbox\@freelist{}{}%
7920 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7921 {\@floatpenalty\z@
7922 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7923 \fi
7924 \ifnextchar [ \@bidituftesidenotexmpar \@bidituftesidenoteympar}
7925 \long\def\@bidituftesidenotexmpar[#1]#2{%
7926 \@bidituftesidenotesavemarbox\@marbox{#1}%
7927 \@bidituftesidenotesavemarbox\@currbox{#2}%
7928 \@xympar}
7929 \long\def\@bidituftesidenoteympar#1{%
7930 \@bidituftesidenotesavemarbox\@marbox{#1}%
7931 \global\setbox\@currbox\copy\@marbox
7932 \@xympar}
7933 \long\def \@bidituftesidenotesavemarbox #1#2{%
7934 \global\setbox #1%
7935 \color@vbox
7936 \vtop{%
7937 \hsize\marginparwidth
7938 \@parboxrestore
7939 \@bidituftesidenotemarginparreset
7940 #2%

```



```

7941     \@minipagefalse
7942     \outer@nobreak
7943     }%
7944     \color@endbox
7945 }
7946 \def \@bidityftesidenotemarginparreset {%
7947     \reset@font
7948     \normalsize
7949     \@minipagetrue
7950     \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
7951 }
7952 \def \LTRbidityftesidenotemarginpar{%
7953     \ifhmode
7954         \@bsphack
7955         \@floatpenalty -\@Mii
7956     \else
7957         \@floatpenalty-\@Miii
7958     \fi
7959     \ifinner
7960         \@parmoderr
7961         \@floatpenalty\z@
7962     \else
7963         \@next\@currbox\@freelist{}{}%
7964         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7965         {\@floatpenalty\z@
7966         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7967     \fi
7968     \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
7969 \long\def \@LTRbidityftesidenotexmpar[#1]#2{%
7970     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7971     \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
7972     \@xympar}
7973 \long\def \@LTRbidityftesidenoteympar#1{%
7974     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7975     \global\setbox\@currbox\copy\@marbox
7976     \@xympar}
7977 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
7978     \global\setbox #1%
7979         \color@vbox
7980         \vtop{%
7981             \hsize\marginparwidth
7982             \@parboxrestore
7983             \@LTRbidityftesidenotemarginparreset
7984             #2%
7985             \@minipagefalse
7986             \outer@nobreak
7987             }%
7988     \color@endbox
7989 }
7990 \def \@LTRbidityftesidenotemarginparreset {%
7991     \reset@font
7992     \normalsize
7993     \@minipagetrue
7994     \everypar{\@minipagefalse\everypar{}}\beginL}%

```



```

7995 }
7996 \def\RTLbidituftesidenotemarginpar{%
7997   \ifhmode
7998     \@bsphack
7999     \@floatpenalty -\@Mii
8000   \else
8001     \@floatpenalty-\@Miii
8002   \fi
8003   \ifinner
8004     \@parmoderr
8005     \@floatpenalty\z@
8006   \else
8007     \@next\@currbox\@freelist{}{}%
8008     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
8009     {\@floatpenalty\z@
8010      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
8011   \fi
8012   \@ifnextchar [\@RTLbidituftesidenotexmpar\@RTLbidituftesidenoteypar}
8013 \long\def\@RTLbidituftesidenotexmpar[#1]#2{%
8014   \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
8015   \@RTLbidituftesidenotesavemarbox\@currbox{#2}%
8016   \@xympar}
8017 \long\def\@RTLbidituftesidenoteypar#1{%
8018   \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
8019   \global\setbox\@currbox\copy\@marbox
8020   \@xympar}
8021 \long\def \@RTLbidituftesidenotesavemarbox #1#2{%
8022   \global\setbox #1%
8023     \color@vbox
8024     \vtop{%
8025       \hsize\marginparwidth
8026       \@parboxrestore
8027       \@RTLbidituftesidenotemarginparreset
8028       #2%
8029       \@minipagefalse
8030       \outer@nobreak
8031     }%
8032   \color@endbox
8033 }
8034 \def \@RTLbidituftesidenotemarginparreset {%
8035   \reset@font
8036   \normalsize
8037   \@minipagetrue
8038   \everypar{\@minipagefalse\everypar{}}\beginR}%
8039 }
8040 \newcommand*{\@bidituftesidenote@marginfont}{\normalfont\footnotesize}
8041 \newcommand*{\@bidituftesidenote@LTRmarginfont}{\normalfont\footnotesize}
8042 \newcommand*{\@bidituftesidenote@RTLmarginfont}{\normalfont\footnotesize}
8043 \newcommand*{\@bidituftesidenote@sidenote@font}{\@bidituftesidenote@marginfont}
8044 \newcommand*{\@bidituftesidenote@LTRsidenote@font}{\@bidituftesidenote@LTRmarginfont}
8045 \newcommand*{\@bidituftesidenote@RTLSidenote@font}{\@bidituftesidenote@RTLmarginfont}
8046 \newcommand*{\@bidituftesidenote@marginnote@font}{\@bidituftesidenote@marginfont}
8047 \newcommand*{\@bidituftesidenote@LTRmarginnote@font}{\@bidituftesidenote@LTRmarginfont}
8048 \newcommand*{\@bidituftesidenote@RTLmarginnote@font}{\@bidituftesidenote@RTLmarginfont}

```



```

8049 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
8050 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
8051 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
8052 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
8053 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
8054 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
8055 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
8056 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
8057 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
8058 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
8059 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
8060 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
8061 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@font}
8062 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@font}
8063 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@font}
8064 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
8065 \newcommand{\@bidityftesidenote@margin@par}{%
8066   \setlength{\RaggedRightParindent}{0.5pc}%
8067   \setlength{\JustifyingParindent}{0.5pc}%
8068   \setlength{\parindent}{0.5pc}%
8069   \setlength{\parskip}{Opt}%
8070 }
8071 %%
8072 % Globally sets the length
8073 \ifundefined{gsetlength}{%
8074 \newcommand*{gsetlength}[2]{%
8075   \setlength{#1}{#2}%
8076   \global#1=#1\relax%
8077 }%
8078 }{}
8079
8080 %%
8081 % A function that removes leading and trailing spaces from the supplied macro.
8082 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
8083 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
8084 % being trimmed of leading and trailing white space.
8085 \catcode\Q=3
8086 \def\@bidityftesidenote@trim@spaces#1{%
8087   % Use grouping to emulate a multi-token afterassignment queue
8088   \begingroup%
8089   % Put \toks 0 {' into the afterassignment queue
8090   \aftergroup\toks\aftergroup0\aftergroup{%
8091   % Apply \trimb to the replacement text of #1, adding a leading
8092   % \noexpand to prevent brace stripping and to serve another purpose
8093   % later.
8094   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
8095   % Transfer the trimmed text back into #1.
8096   \edef#1{\the\toks0}%
8097 }
8098 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
8099 % clean up any leftover bizarre Qs, and trim a leading space. In
8100 % order for \trimc to work properly we need to put back a Q first.
8101 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
8102 % Execute \vfuzz assignment to remove leading space; the \noexpand

```



```

8103 % will now prevent unwanted expansion of a macro or other expandable
8104 % token at the beginning of the trimmed text. The \endgroup will feed
8105 % in the \aftergroup tokens after the \vfuzz assignment is completed.
8106 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
8107 \catcode`\Q=11
8108 %%
8109 % Citations should go in the margin as sidenotes
8110
8111 \RequirePackage{natbib}
8112 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
8113 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
8114 \renewcommand\BR@b@bibitem[2][\]{%
8115 \ifthenelse{\isempty{#1}}{%
8116   {\BR@bibitem{#2}}%
8117   {\BR@bibitem[#1]{#2}}%
8118   \BR@c@bibitem{#2}}%
8119 }
8120 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
8121 %%
8122 % Normal \cite behavior
8123 \newcounter{@bidityftesidenote@num@bibkeys}%
8124 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
8125 % Snag the last bibentry in the list for later comparison
8126 \let\@temp@last@bibkey\@empty%
8127 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8128 \sidenote[][#1]{%
8129 % Loop through all the bibentries, separating them with semicolons and spaces
8130 \normalsize\normalfont\@bidityftesidenote@citation@font%
8131 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8132 \@for\@temp@bibkeyx:=#2\do{%
8133 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8134   {\ifthenelse{\equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8135   \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8136   \bibentry{\@temp@bibkeyx}}%
8137   {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8138   \bibentry{\@temp@bibkeyx};\ }%
8139   \stepcounter{@bidityftesidenote@num@bibkeys}%
8140   }%
8141 }%
8142 }
8143 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
8144 % Snag the last bibentry in the list for later comparison
8145 \let\@temp@last@bibkey\@empty%
8146 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8147 \LTRsidenote[][#1]{%
8148 % Loop through all the bibentries, separating them with semicolons and spaces
8149 \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
8150 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8151 \@for\@temp@bibkeyx:=#2\do{%
8152 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8153   {\ifthenelse{\equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8154   \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8155   \bibentry{\@temp@bibkeyx}}%
8156   {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

8157         \bibentry{\@temp@bibkeyx};\ }%
8158         \stepcounter{@bidituftesidenote@num@bibkeys}%
8159     }%
8160 }%
8161 }
8162 \newcommand{\@bidituftesidenote@normal@cite}[2][Opt]{%
8163 % Snag the last bibentry in the list for later comparison
8164 \let\@temp@last@bibkey\@empty%
8165 \for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8166 \RTLsidenote[] [#1]{%
8167 % Loop through all the bibentries, separating them with semicolons and spaces
8168 \normalsize\normalfont\@bidituftesidenote@citation@font%
8169 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
8170 \for\@temp@bibkeyx:=#2\do{%
8171 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8172 {\ifthenelse{equal{value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
8173 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8174 \bibentry{\@temp@bibkeyx}}%
8175 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8176 \bibentry{\@temp@bibkeyx};\ }%
8177 \stepcounter{@bidituftesidenote@num@bibkeys}%
8178 }%
8179 }%
8180 }
8181 %%
8182 % Macros for holding the list of cite keys until after the \sidenote
8183 \gdef\@bidituftesidenote@citations{}% list of cite keys
8184 \newcommand\@bidituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
8185 \ifx\@bidituftesidenote@citations\@empty\else
8186 \g@addto@macro\@bidituftesidenote@citations{,}% separate by commas
8187 \fi
8188 \g@addto@macro\@bidituftesidenote@citations{#1}
8189 }
8190 \newcommand{\@bidituftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
8191 % Snag the last bibentry in the list for later comparison
8192 \let\@temp@last@bibkey\@empty%
8193 \for\@temp@bibkey:=\@bidituftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
8194 \marginpar{%
8195 \hbox{} \vspace*{#1}%
8196 \@bidituftesidenote@citation@font%
8197 \@bidituftesidenote@citation@justification%
8198 \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
8199 \vspace*{-1\baselineskip}%
8200 % Loop through all the bibentries, separating them with semicolons and spaces
8201 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
8202 \for\@temp@bibkeyx:=\@bidituftesidenote@citations\do{%
8203 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8204 {\ifthenelse{equal{value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
8205 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8206 \bibentry{\@temp@bibkeyx}}%
8207 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8208 \bibentry{\@temp@bibkeyx};\ }%
8209 \stepcounter{@bidituftesidenote@num@bibkeys}%
8210 }%

```




```

8211 }%
8212 }
8213 %%
8214 % \cite behavior when executed within a sidenote
8215 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
8216 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
8217   \@bidityftesidenote@add@citation{#1}
8218 }
8219 %%
8220 % Set the default \cite style. This is set and reset by the \sidenote command.
8221 \let\cite\@bidityftesidenote@normal@cite
8222 \let\LTRcite\@bidityftesidenote@normal@cite
8223 \let\RTLcite\@bidityftesidenote@normal@cite
8224 %%
8225 % Transform existing \footnotes into \sidenotes
8226 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
8227 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional argu
8228 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8229 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8230 % Override footmisc's definition to set the sidenote marks (numbers) inside the
8231 % sidenote's text block.
8232 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark#1{\@textsuperscript{\@bidityftesidenote
8233 % Set the in-text footnote mark in the same typeface as the body text itself.
8234 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnote
8235 \providecommand*\@multiplefootnotemark}{3sp}
8236 \providecommand*\@multfootsep}{,}
8237 \bidi@patch@AfterPackage{bidi}{%
8238 \renewcommand{\@footnotemark}{%
8239   \leavevmode%
8240   \ifhmode%
8241     \edef\@x@sf{\the\spacefactor}%
8242     \@bidityftesidenote@check@multiple@sidenotes%
8243     \nobreak%
8244     \fi%
8245     \@makefnmark%
8246     \ifhmode\spacefactor\@x@sf\fi%
8247     \relax%
8248 }%
8249 }
8250 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
8251   \ifdim\lastkern=\@multiplefootnotemark\relax%
8252     \edef\@x@sf{\the\spacefactor}%
8253     \unkern%
8254     \textsuperscript{\@multfootsep}%
8255     \spacefactor\@x@sf\relax%
8256   \fi
8257 }
8258 \bidi@patch@AfterPackage{bidi}{%
8259 \renewcommand\@footnotetext[2][Opt]{%
8260   \bidityftesidenotemarginpar{%
8261     \hbox{}}\vspace*{#1}%
8262     \def\baselinestretch {\setspace@singlespace}%
8263     \reset@font%
8264     \bidi@@footnotetext@font% \reset@font\footnotesize%

```



```

8265 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8266 \vspace*{-1\baselineskip}\noindent%
8267 \protected@edef\@currentlabel{%
8268     \csname p@footnote\endcsname\@thefnmark%
8269 }%
8270 \color@begingroup%
8271     \@makefnfntext{%
8272         \ignorespaces#2%
8273     }%
8274 \color@endgroup%
8275 }%
8276 }%
8277 \renewcommand\@LTRfootnotetext[2][Opt]{%
8278     \LTRbidityftesidenotemarginpar{%
8279         \hbox{ }\vspace*{#1}%
8280         \def\baselinestretch {\setspaces@inglespace}%
8281         \reset@font%
8282         \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
8283         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8284         \vspace*{-1\baselineskip}\noindent%
8285         \protected@edef\@currentlabel{%
8286             \csname p@footnote\endcsname\@thefnmark%
8287         }%
8288         \color@begingroup%
8289             \@makefnfntext{%
8290                 \ignorespaces#2%
8291             }%
8292         \color@endgroup%
8293     }%
8294 }%
8295 \renewcommand\@RTLfootnotetext[2][Opt]{%
8296     \RTLbidityftesidenotemarginpar{%
8297         \hbox{ }\vspace*{#1}%
8298         \def\baselinestretch {\setspaces@inglespace}%
8299         \reset@font%
8300         \bidi@@RTLfootnotetext@font% \reset@font\footnotesize%
8301         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8302         \vspace*{-1\baselineskip}\noindent%
8303         \protected@edef\@currentlabel{%
8304             \csname p@footnote\endcsname\@thefnmark%
8305         }%
8306         \color@begingroup%
8307             \@makefnfntext{%
8308                 \ignorespaces#2%
8309             }%
8310         \color@endgroup%
8311     }%
8312 }%
8313 }
8314 %
8315 % Define \sidenote command. Can handle \cite.
8316 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
8317 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
8318 % #1 = footnote num, #2 = vertical offset, #3 = footnote text

```



```

8319 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
8320 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8321 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8322 \ifthenelse{\NOT\isempty{#2}}{%
8323 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8324 }{%
8325 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8326 }%
8327 \ifthenelse{\isempty{#1}}{%
8328 % no specific footnote number provided
8329 \stepcounter\@mpfn%
8330 \protected@xdef\@thefnmark{\thempfn}%
8331 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8332 }{%
8333 % specific footnote number provided
8334 \begingroup%
8335 \csname c@\@mpfn\endcsname #1\relax%
8336 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8337 \endgroup%
8338 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8339 }%
8340 \@bidityftesidenote@print@citations% print any citations
8341 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
8342 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8343 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
8344 \unskip\ignorespaces% remove extra white space
8345 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
8346 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8347 }
8348 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
8349 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8350 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8351 \ifthenelse{\NOT\isempty{#2}}{%
8352 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8353 }{%
8354 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8355 }%
8356 \ifthenelse{\isempty{#1}}{%
8357 % no specific footnote number provided
8358 \stepcounter\@mpfn%
8359 \protected@xdef\@thefnmark{\thempfn}%
8360 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8361 }{%
8362 % specific footnote number provided
8363 \begingroup%
8364 \csname c@\@mpfn\endcsname #1\relax%
8365 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8366 \endgroup%
8367 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8368 }%
8369 \@bidityftesidenote@print@citations% print any citations
8370 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
8371 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8372 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL

```



```

8373 \unskip\ignorespaces%           remove extra white space
8374 \kern-\multiplefootnotemarker%   remove \kern left behind by sidenote
8375 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8376 }
8377 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
8378 \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8379 \gdef\@bidityftesidenote@citations{%           clear out any old citations
8380 \ifthenelse{\NOT\isempty{#2}}{%
8381 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8382 }{%
8383 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8384 }%
8385 \ifthenelse{\isempty{#1}}{%
8386 % no specific footnote number provided
8387 \stepcounter\@mpfn%
8388 \protected@xdef\@thefnmark{\thempfn}%
8389 \@footnotemark\@RTLfootnotetext [\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8390 }{%
8391 % specific footnote number provided
8392 \begingroup%
8393 \csname c@\@mpfn\endcsname #1\relax%
8394 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8395 \endgroup%
8396 \@footnotemark\@RTLfootnotetext [\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8397 }%
8398 \@bidityftesidenote@print@citations%           print any citations
8399 \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite command
8400 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8401 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8402 \unskip\ignorespaces%           remove extra white space
8403 \kern-\multiplefootnotemarker%   remove \kern left behind by sidenote
8404 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8405 }
8406 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
8407 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
8408 \newcommand{\RTLSidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
8409 \bidi@patch@AfterPackage{bidi}{%
8410 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
8411 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
8412 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
8413 }
8414 %%
8415 % Sidenote without the footnote mark
8416 \newcommand\marginnote[2] [Opt]{%
8417 \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8418 \gdef\@bidityftesidenote@citations{%           clear out any old citations
8419 \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidity
8420 \@bidityftesidenote@print@citations%           print any citations
8421 \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite command
8422 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8423 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8424 }
8425 \newcommand\LTRmarginnote [2] [Opt]{%
8426 \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command

```



```

8427 \gdef\@bidityftesidenote@citations{%          clear out any old citations
8428 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@
8429 \@bidityftesidenote@print@citations%          print any citations
8430 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
8431 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8432 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8433 }
8434 \newcommand\RTLmarginnote[2][Opt]{%
8435 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8436 \gdef\@bidityftesidenote@citations{%          clear out any old citations
8437 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@
8438 \@bidityftesidenote@print@citations%          print any citations
8439 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
8440 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8441 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8442 }

```

55 File bidityftetoc.sty

```

8443 \NeedsTeXFormat{LaTeX2e}
8444 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
8445 bidi implementation of tuft toc]
8446 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
8447 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
8448 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
8449 %%
8450 % Turn off section numbering
8451 \setcounter{secnumdepth}{-1}
8452 \newboolean{@bidityftetoc@toc}
8453 \setboolean{@bidityftetoc@toc}{true}
8454 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
8455 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
8456 \ProcessOptions
8457 %%
8458 % Make Tuftian-style section headings and TOC formatting
8459 \bidity@patch@AfterPackage{bidi}{%
8460 \titleformat{\chapter}%
8461 [display]% shape
8462 {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format
8463 {\itshape\huge\thechapter}% label
8464 {Opt}% horizontal separation between label and title body
8465 {\huge\rmfamily\itshape}% before the title body
8466 [\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title
8467 \titleformat{\section}%
8468 [hang]% shape
8469 {\normalfont\Large\itshape}% format applied to label+text
8470 {\thesection}% label
8471 {1em}% horizontal separation between label and title body
8472 {}% before the title body
8473 []% after the title body
8474 \titleformat{\subsection}%
8475 [hang]% shape
8476 {\normalfont\large\itshape}% format applied to label+text
8477 {\thesubsection}% label

```



```

8478 {1em}% horizontal separation between label and title body
8479 {}% before the title body
8480 []% after the title body
8481 \titleformat{\paragraph}%
8482 [runin]% shape
8483 {\normalfont\itshape}% format applied to label+text
8484 {\theparagraph}% label
8485 {1em}% horizontal separation between label and title body
8486 {}% before the title body
8487 []% after the title body
8488 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
8489 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8490 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus.2ex}
8491 }
8492 % Subsubsection and following section headings shouldn't be used.
8493 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
8494 \renewcommand\subsubsection{%
8495 \bidityftetocError{\noexpand\subsubsection is undefined by this class.%
8496 \MessageBreak See Robert Bringhurst's _The Elements of
8497 \MessageBreak Typographic Style_, section 4.2.2.
8498 \MessageBreak \noexpand\subsubsection was used}
8499 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8500 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8501 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
8502 }
8503 \renewcommand\subparagraph{%
8504 \bidityftetocError{\noexpand\subparagraph is undefined by this class.%
8505 \MessageBreak See Robert Bringhurst's _The Elements of
8506 \MessageBreak Typographic Style_, section 4.2.2.
8507 \MessageBreak \noexpand\subparagraph was used}
8508 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8509 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8510 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
8511 }
8512 % Formatting for main TOC (printed in front matter)
8513 {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8514 \ifthenelse{\boolean{@bidityftetoc@toc}}{%
8515 \bidi@patch@AfterPackage{bidi}{%
8516 \titlecontents{part}% FIXME
8517 [0em] % distance from left margin
8518 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8519 {\contentslabel{2em}} % before w/label (label = ``II'')
8520 {} % before w/o label
8521 {\rmfamily\upshape\qqad\thecontentspage} % filler + page (leaders and page num)
8522 [\end{fullwidth}] % after
8523 \titlecontents{chapter}%
8524 [0em] % distance from left margin
8525 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8526 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8527 {\hspace*{0em}} % before w/o label
8528 {\rmfamily\upshape\qqad\thecontentspage} % filler + page (leaders and page num)
8529 [\end{fullwidth}] % after
8530 \titlecontents{section}% FIXME
8531 [0em] % distance from left margin

```



```

8532     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
8533     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8534     {\hspace*{2em}} % before w/o label
8535     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8536     [\end{fullwidth}] % after
8537 \titlecontents{subsection}% FIXME
8538     [0em] % distance from left margin
8539     {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
8540     {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8541     {\hspace*{4em}} % before w/o label
8542     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8543     [\end{fullwidth}] % after
8544 \titlecontents{paragraph}% FIXME
8545     [0em] % distance from left margin
8546     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
8547     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8548     {\hspace*{6em}} % before w/o label
8549     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8550     [\end{fullwidth}] % after
8551 }%
8552 {}
8553 %%
8554 % Format lists of figures/tables
8555 \renewcommand\listoffigures{%
8556   \@ifundefined{chapter}%
8557     {\section*{\listfigurename}}%
8558     {\chapter*{\listfigurename}}%
8559 % \begin{fullwidth}%
8560   \@starttoc{lof}%
8561 % \end{fullwidth}%
8562 }
8563 \renewcommand\listoftables{%
8564   \@ifundefined{chapter}%
8565     {\section*{\listtablename}}%
8566     {\chapter*{\listtablename}}%
8567 % \begin{fullwidth}%
8568   \@starttoc{lot}%
8569 % \end{fullwidth}%
8570 }
8571 \newcommand{\@biditytetoc@lof@line}[2]{%
8572   % #1 is the figure/table number and its caption text
8573   % #2 is the page number on which the figure/table appears
8574   \leftskip 0.0em
8575   \rightskip 0em
8576   \parfillskip 0em plus 1fil
8577   \parindent 0.0em
8578   \@afterindenttrue
8579   \interlinepenalty\@M
8580   \leavevmode
8581   \@tempdima 2.0em
8582   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8583   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
8584   {#1}\nobreak\qqquad\nobreak#2%
8585   \par%

```



```

8586 }
8587 \renewcommand*\l@figure{\@biditytetoc@lof@line}
8588 \let\l@table\l@figure

```

56 File biditytgeneralstructure.sty

```

8589 \NeedsTeXFormat{LaTeX2e}
8590 \ProvidesPackage{biditytgeneralstructure}[2011/06/18 v0.1
8591 bidi implementation of tufe general structure]
8592 \renewcommand\small{%
8593   \@setfontsize\small\@ixpt{12}%
8594   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8595   \abovedisplayshortskip \z@ \@plus2\p@
8596   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
8597   \def\@listi{\leftmargin\leftmargini
8598             \topsep 4\p@ \@plus2\p@ \@minus2\p@
8599             \parsep 2\p@ \@plus\p@ \@minus\p@
8600             \itemsep \parsep}%
8601   \belowdisplayskip \abovedisplayskip
8602 }
8603 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
8604 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vipt}
8605 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8606 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
8607 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
8608 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8609 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8610 \setlength\leftmargini {1pc}
8611 \setlength\leftmarginii {1pc}
8612 \setlength\leftmarginiii {1pc}
8613 \setlength\leftmarginiv {1pc}
8614 \setlength\leftmarginv {1pc}
8615 \setlength\leftmarginvi {1pc}
8616 \setlength\labelsep {.5pc}
8617 \setlength\labelwidth {\leftmargini}
8618 \addtolength\labelwidth{-\labelsep}
8619 \setlength{\parindent}{1.0pc}%
8620 \setlength{\parskip}{0pt}%
8621 \RequirePackage{ragged2e}
8622 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
8623 % Paragraph indentation and separation for normal text
8624 \newcommand{\@biditytgeneralstructure@reset@par}{%
8625   \setlength{\RaggedRightParindent}{1.0pc}%
8626   \setlength{\JustifyingParindent}{1.0pc}%
8627   \setlength{\parindent}{1pc}%
8628   \setlength{\parskip}{0pt}%
8629 }
8630 \@biditytgeneralstructure@reset@par
8631 % Require paralist package for tighter lists
8632 \RequirePackage{paralist}
8633 % Add rightmargin to compactenum
8634 \def\@compactenum@{%
8635   \expandafter\list\csname label\@enumctr\endcsname{%
8636     \usecounter{\@enumctr}%

```




```

8637 \rightmargin=2em% added this
8638 \parsep\plparsep
8639 \itemsep\plitemsep
8640 \topsep\pltopsep
8641 \partopsep\plpartopsep
8642 \def\makelabel##1{\hss\llap{##1}}}}
8643 %%
8644 % An environment for paragraph-style section
8645 \providecommand\newthought[1]{%
8646 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8647 \noindent\textbf{#1}%
8648 }
8649 %%
8650 % Redefine the display environments (quote, quotation, etc.)
8651 \renewenvironment{verse}
8652     {\let\\\@centercr
8653     \list{}{\itemsep \z@
8654     \itemindent -1pc%
8655     \listparindent\itemindent
8656     \rightmargin \leftmargin
8657     \advance\leftmargin 1pc}%
8658     \small%
8659     \item\relax}
8660     {\endlist}
8661 \renewenvironment{quotation}
8662     {\list{}{\listparindent 1pc%
8663     \itemindent \listparindent
8664     \rightmargin \leftmargin
8665     \parsep \z@ \@plus\p@}%
8666     \small%
8667     \item\relax\noindent\ignorespaces}
8668     {\endlist}
8669 \renewenvironment{quote}
8670     {\list{}{\rightmargin\leftmargin}%
8671     \small%
8672     \item\relax}
8673     {\endlist}
8674 % Italicize description run-in headings (instead of the default bold)
8675 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
8676 %%
8677 % Redefine \bibsection to not mark the running heads.
8678 % (Code modified from natbib.sty.)
8679 \@ifundefined{chapter}%
8680     {\renewcommand\bibsection{\section*{\refname}}}
8681     {\@ifundefined{NAT@sectionbib}%
8682     {\renewcommand\bibsection{\chapter{\bibname}}}
8683     {\renewcommand\bibsection{\section*{\bibname}}}}
8684 \RequirePackage{multicol}
8685 \renewenvironment{theindex}{-%
8686 \@ifundefined{chapter}%
8687     {\section*{\indexname}}%
8688     {\chapter{\indexname}}%
8689 \begin{fullwidth}%
8690 \small%

```



```

8691 \parskip0pt%
8692 \parindent0pt%
8693 \let\item\@idxitem%
8694 \begin{multicols}{3}%
8695 }{%
8696 \end{multicols}%
8697 \end{fullwidth}%
8698 }
8699 \AtBeginDocument{%
8700 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8701 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8702 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
8703 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8704 \newcommand{\lettergroup}[1]{% swallow the letter heading in the index

```

57 File `bidituftehyperref.sty`

```

8705 \NeedsTeXFormat{LaTeX2e}
8706 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
8707 bidi implementation of tufte hyperref]
8708 %%
8709 % Color
8710 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8711 \newboolean{@bidituftehyperref@loadhyper}
8712 \setboolean{@bidituftehyperref@loadhyper}{true}
8713 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
8714 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
8715 \ProcessOptions
8716 %% Loads the hyperref package and sets some default options.
8717 \newcommand{\bidituftehyperrefLoadHyperref}{%
8718 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
8719 \hypersetup{%
8720   bookmarksdepth = section,
8721   citecolor = DarkGreen,
8722   linkcolor = DarkBlue,
8723   pagecolor = DarkBlue,
8724   urlcolor = DarkGreen,
8725 }%
8726 }
8727 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
8728 \bidituftehyperrefLoadHyperref%
8729 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
8730 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
8731 }

```

58 File `bidituftetitle.sty`

```

8732 \NeedsTeXFormat{LaTeX2e}
8733 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
8734 bidi implementation of tufte title]
8735 \RequirePackage{biditools}
8736 %%
8737 % `titlepage' option -- creates a full title page with \maketitle
8738 \newboolean{@bidituftetitle@titlepage}

```



```

8739 \DeclareOption{titlepage}{\setboolean{@bidityfttitle@titlepage}{true}}
8740 \DeclareOption{notitlepage}{\setboolean{@bidityfttitle@titlepage}{false}}
8741 % Default `book' and `handout' options
8742 \@ifclassloaded{book}{%
8743 \ExecuteOptions{titlepage}}{%
8744 \@ifclassloaded{article}{%
8745 \ExecuteOptions{notitlepage}}%
8746 {}}
8747 \ProcessOptions
8748 %%
8749 % Modified \title, \author, and \date commands. These store the
8750 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8751 \newcommand{\plaintitle}{}% plain-text-only title
8752 \newcommand{\plainauthor}{}% plain-text-only author
8753 \newcommand{\plainpublisher}{}% plain-text-only publisher
8754 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8755 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
8756 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8757 \newcommand{\@publisher}{}% full publisher with \thanks{}
8758 \newcommand{\thedata}{\today}
8759 \bidi@patch@AfterPackage{bidi}{%
8760 \renewcommand{\thanks}[1]{\footnote{#1}}
8761 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8762 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8763 }
8764 \renewcommand{\title}[2][]{%
8765 \gdef\@title{#2}%
8766 \begingroup%
8767 % TODO store contents of \thanks command
8768 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8769 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8770 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8771 \protected@xdef\thanklesstitle{#2}%
8772 \endgroup%
8773 \ifthenelse{\isempty{#1}}%
8774 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8775 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
8776 \@ifundefined{hypersetup}%
8777 {}% hyperref is not loaded; do nothing
8778 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8779 }
8780 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
8781 \renewcommand{\author}[2][]{%
8782 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
8783 \begingroup%
8784 % TODO store contents of \thanks command
8785 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8786 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8787 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8788 \protected@xdef\thanklessauthor{#2}%
8789 \endgroup%
8790 \ifthenelse{\isempty{#1}}%
8791 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8792 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author

```



```

8793 \@ifundefined{hypersetup}%
8794   {}% hyperref is not loaded; do nothing
8795   {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8796 }
8797 \renewcommand{\date}[1]{%
8798   \gdef\@date{#1}%
8799   \begingroup%
8800     % TODO store contents of \thanks command
8801     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8802     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8803     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8804     \protected@xdef\thedata{#1}%
8805   \endgroup%
8806 }
8807 %%
8808 % Provides a \publisher command to set the publisher
8809 \newcommand{\publisher}[2] [] {%
8810   \gdef\@publisher{#2}%
8811   \begingroup%
8812     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8813     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8814     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8815     \protected@xdef\thanklesspublisher{#2}%
8816   \endgroup%
8817   \ifthenelse{\isempty{#1}}
8818     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8819     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8820 }
8821 %%
8822 % Produces a full title page
8823 \newcommand{\maketitlepage}[0] {%
8824   \cleardoublepage%
8825   {%
8826     \bfseries%
8827     \begin{fullwidth}%
8828       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8829       \vspace{11.5pc}%
8830       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8831       \vfill%
8832       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8833     \end{fullwidth}%
8834   }
8835   \thispagestyle{empty}%
8836   \clearpage%
8837 }
8838 %%
8839 % Title block
8840 \bidi@AfterEndPreamble{%
8841 \renewcommand{\maketitle}{%
8842   \newpage%
8843   \global\@topnum\z@% prevent floats from being placed at the top of the page
8844   \begingroup%
8845     \setlength{\parindent}{0pt}%
8846     \setlength{\parskip}{4pt}%

```



```

8847 \let\@title\@empty%
8848 \let\@author\@empty%
8849 \let\@date\@empty%
8850 \gdef\@title{\LARGE\itshape\@title\par}%
8851 \gdef\@author{\Large\itshape\@author\par}%
8852 \gdef\@date{\Large\itshape\@date\par}%
8853 \@title%
8854 \@author%
8855 \@date%
8856 \endgroup%
8857 \thispagestyle{plain}% suppress the running head
8858 }%
8859 }
8860 %%
8861 % Title page (if the `titlepage' option was passed to the bidentufte-handout
8862 % class.)
8863 \bidi@AfterEndPreamble{%
8864 \ifthenelse{\boolean{@bidentufte@titlepage}}
8865 {\renewcommand{\maketitle}{\maketitlepage}}
8866 {}
8867 }
8868 %%
8869 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8870 % without headers and footers
8871 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8872 \hbox{}
8873 %\vspace*{\fill}
8874 %\begin{center}
8875 % This page intentionally contains only this sentence.
8876 %\end{center}
8877 %\vspace{\fill}
8878 \thispagestyle{empty}
8879 \newpage
8880 \if@twocolumn\hbox{} \newpage\fi\fi\fi}

```

59 File bidentufte-handout.cls

```

8881 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8882 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
8883 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8884 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
8885 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
8886 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
8887 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
8888 \ProcessOptions\relax
8889 \LoadClass{article}
8890 \RequirePackage{bidentuftefloat}
8891 \RequirePackage{bidentuftesidenote}
8892 \RequirePackage{bidentuftetoc}
8893 \RequirePackage{bidentuftegeneralstructure}
8894 \RequirePackage{bidentuftehyperref}
8895 \RequirePackage{bidentuftetitle}
8896 \renewenvironment{abstract}
8897 {\begin{quotation}}

```



```

8898 {\end{quotation}}
8899 \AtBeginDocument{%
8900 \IfFileExists{biditufte-handout.cfg}
8901 {\input{biditufte-handout.cfg}
8902 \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
8903 {}%
8904 }

```

60 File biditufte-book.cls

```

8905 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8906 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
8907 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8908 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
8909 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
8910 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
8911 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditufтетitle}}
8912 \ProcessOptions\relax
8913 \LoadClass{book}
8914 \RequirePackage{bidituftefloat}
8915 \RequirePackage{bidituftesidenote}
8916 \RequirePackage{bidituftetoc}
8917 \RequirePackage{bidituftegeneralstructure}
8918 \RequirePackage{bidituftehyperref}
8919 \RequirePackage{biditufтетitle}
8920 %%
8921 % Set up any book-specific stuff now
8922 %%
8923 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8924 % to the opening page of Chapter 1. The running heads, when they appear,
8925 % contain only the (arabic) page number in the outside corner.
8926 %\newif\if@mainmatter \@mainmattertrue
8927 \renewcommand\frontmatter{%
8928 \cleardoublepage%
8929 \@mainmatterfalse%
8930 \pagenumbering{arabic}%
8931 %\pagestyle{plain}%
8932 \fancyhf{}%
8933 \ifthenelse{\boolean{@bidituftefloat@twoside}}%
8934 {\fancyhead[LE,RO]{\thepage}}%
8935 {\fancyhead[RE,RO]{\thepage}}%
8936 }
8937 %%
8938 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8939 % numbering---it continues where it left off in the front matter.
8940 \renewcommand\mainmatter{%
8941 \cleardoublepage%
8942 \@mainmattertrue%
8943 \fancyhf{}%
8944 \ifthenelse{\boolean{@bidituftefloat@twoside}}%
8945 {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}%
8946 \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8947 \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}}% chapter title
8948 {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title

```



```

8949 }
8950 %%
8951 % The back matter contains appendices, indices, glossaries, endnotes,
8952 % bibliographies, list of contributors, illustration credits, etc.
8953 \renewcommand\backmatter{%
8954   \if@openright%
8955     \cleardoublepage%
8956   \else%
8957     \clearpage%
8958   \fi%
8959 \@mainmatterfalse%
8960 }
8961 %%
8962 % Only show the chapter titles in the table of contents
8963 \setcounter{tocdepth}{0}
8964 \AtBeginDocument{%
8965   \IfFileExists{biditufte-book.cfg}
8966     {\input{biditufte-book.cfg}
8967      \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
8968     {}%
8969 }

```

61 File bidipoem.sty

```

8970 \NeedsTeXFormat{LaTeX2e}
8971 \ProvidesPackage{bidipoem}%
8972 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8973
8974 % Usage:
8975 %
8976 % \Setversedim #1#2 % define the layout (within a group):
8977 % #1 = length of both half-verses
8978 % #2 = separation distance = length of a connection, if present
8979 % Variant:
8980 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8981 % #1 = length of first (=right) half-verse
8982 % #2 = length of second (=left) half-verse
8983 % #3 = separation distance = length of a connection, if present
8984 %
8985 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8986 % #1 = text of first (=right) half-verse
8987 % #2 = text of second (=left) half-verse
8988 % Variant:
8989 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8990 % #1 = text of first (=right) half-verse
8991 % #2 = text of connection
8992 % #3 = text of second (=left) half-verse
8993 %
8994 % Alternative (if preferred):
8995 %
8996 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8997
8998
8999 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}

```



```

9000
9001 % define the layout, verses will be centered
9002
9003 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
9004 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
9005
9006 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
9007 \bidipoem@hvind \textwidth
9008 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
9009 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
9010 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem
9011
9012 \def \bidipoem@set@verseI [#1]{% optional parameter
9013 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
9014
9015 \newcommand*{\bidipoem@set@@verse}[1]{% separation
9016 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
9017 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
9018
9019 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
9020 \ifdim Opt > \bidipoem@hvind %
9021 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
9022 \else
9023 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
9024 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
9025 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
9026 \par }
9027
9028 % macro for two half verses
9029 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
9030 \ifx [#2\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
9031 \else\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
9032 \bidipoem@half@verses@next}
9033
9034 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
9035 \traditionalconnverses {#1}{#2}{#3}}
9036
9037
9038 {\catcode\^^M=\active % these lines must end with %
9039 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
9040 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
9041 {\catcode\^^M=\active % these lines must end with %
9042 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
9043 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
9044 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
9045 \def\poemmarginsskip{1em plus 1fil minus 1em}
9046 \def\poemextrabaselineskip{0\baselineskip}
9047 \def\poemsskip{\medskip}
9048 \newcommand{\bidipoem@openbox}{\leavevmode
9049 \hbox to.77778em{%
9050 \hfil\vrule
9051 \vbox to.675em{\hrule width.6em\vfil\hrule}%
9052 \vrule\hfil}}
9053 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}

```




```

9054 \newdimen\versewidth
9055 \newtoks\bidipoem@p@ftn
9056 \def\poem@verse#1{%
9057 \ifdim\wd#1>\new@poem@width
9058 \xdef\new@poem@width{\the\wd#1}%
9059 \ifdim\new@poem@width>\poem@width
9060 \xdef\poem@width{\new@poem@width}%
9061 \global\let\poem@needrun\relax
9062 \fi
9063 \fi
9064 \hbox to\poem@width{\unhbox#1}%
9065 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
9066 }
9067 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmargin\relax}
9068 \def\poem@lineend{\nobreak\hskip\poemmargin\hskip\@flushglue\vadjust{}}
9069 \def\poem@lineversesep{%
9070 \nobreak
9071 \hskip\z@ plus 1filll%
9072 \penalty600%
9073 \hskip\poemcolsepskip
9074 \hskip\z@ plus -2filll%
9075 \vadjust{}}%
9076 \nobreak
9077 \hskip\z@ plus 1filll%
9078 }
9079 \def\poem@lineparsebegin{%
9080 \halign\bgroup
9081 \global\setbox\verse@i=\hbox{%
9082 \let\@footnotetext\bidipoem@p@ftntext%
9083 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9084 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9085 \let\@xfootnotenext\bidipoem@p@xftntext%
9086 \let\@xfootnote\bidipoem@p@xfootnote%
9087 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9088 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9089 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9090 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9091 \ignorespaces##\unskip}&&
9092 \global\setbox\verse@ii=\hbox{%
9093 \let\@footnotetext\bidipoem@p@ftntext%
9094 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9095 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9096 \let\@xfootnotenext\bidipoem@p@xftntext%
9097 \let\@xfootnote\bidipoem@p@xfootnote%
9098 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9099 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9100 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9101 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9102 \ignorespaces##\unskip}
9103 \cr
9104 }
9105 \def\poem@lineparseend{%
9106 \crcr\egroup
9107 \vskip-\baselineskip

```



```

9108 }
9109 \def\traditionalpoem@cr{%
9110   \cr\poem@line
9111 }
9112 \newbox\verse@i
9113 \newbox\verse@ii
9114 \newif\ifpoem@started
9115
9116 \def\poem@line{%
9117 \poem@lineparseend
9118 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
9119 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
9120 \ifpoem@started
9121   \ifdim\wd\verse@ii>\z@\else
9122     \nopagebreak[3]
9123     \fi
9124     \leavevmode
9125     \poem@linebegin
9126     \poem@verse\verse@i
9127     \ifdim\wd\verse@ii>\z@
9128     \poem@lineversesep
9129     \poem@verse\verse@ii
9130     \fi
9131     \poem@lineend
9132 % \nopagebreak
9133 \par
9134 \vskip\poemextrabaselineskip
9135 \fi
9136 \poem@lineparsebegin
9137 }
9138 \def\@traditionalpoem{%
9139 \stepcounter{poem@no}
9140   \ifnum\max@poem@no<\number\c@poem@no%
9141 \xdef\poem@width{\z@}%
9142   \else
9143 \xdef\poem@width{\poem@prop{poem@width}}%
9144 \fi
9145 \xdef\new@poem@width{\z@}%
9146 \global\versewidth=\poem@width
9147 \poemskip\par
9148 \begingroup
9149 \tabskip=\z@
9150 \parskip=\z@
9151 \parindent=\z@
9152 \parfillskip=\z@
9153 \rightskip=\z@
9154 \leftskip=\z@
9155 \widowpenalty=10000% No break between verses of the same line.
9156 \clubpenalty=10000% Same as above. Not really needed.
9157 \def\newblock{\hfil\poemblocksep\hfil\null}%
9158 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
9159 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
9160 \global\poem@startedfalse
9161 \csname poem@obeylines\endcsname

```



```

9162 \let\poem@obeylines\relax
9163 \poem@lineparsebegin
9164 }
9165 \def\@endtraditionalpoem{%
9166 \cr
9167 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
9168 \noalign{%
9169 \skip0=\poemextrabaselineskip
9170 \vskip-\skip0
9171 \vskip-\baselineskip
9172 }%
9173 \fi\fi
9174 \poem@lineparseend
9175 \endgroup
9176 \par
9177 \vskip\baselineskip
9178 \poemskip
9179 \ifdim\new@poem@width<\poem@width
9180 \global\let\poem@needrun\relax
9181 \fi
9182 \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
9183 \ifx\AtEndDocument\undefined\poem@finish\fi
9184 \@endparenv
9185 }
9186
9187
9188 \long\def\bidipoem@p@ftntext#1{%
9189 \edef\@tempf{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
9190 \global\bidipoem@p@ftn\expandafter{\@tempf{#1}}}%
9191 \long\def\bidipoem@p@LTRftntext#1{%
9192 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
9193 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
9194 \long\def\bidipoem@p@RTLftntext#1{%
9195 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
9196 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
9197
9198 \long\def\bidipoem@p@xftntext[#1]#2{%
9199 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
9200
9201 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
9202 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
9203
9204 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
9205 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
9206
9207 \def\bidipoem@p@xfootnote[#1]{%
9208 \begingroup
9209 \csname c@\mpfn\endcsname #1\relax
9210 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9211 \endgroup
9212 \@footnotemark\bidipoem@p@xftntext[#1]}
9213
9214 \def\bidipoem@p@xLTRfootnote[#1]{%
9215 \begingroup

```



```

9216     \csname c@\@mpfn\endcsname #1\relax
9217     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9218     \endgroup
9219     \@footnotemark\bidipoem@p@xLTRftntext[#1]}
9220
9221 \def\bidipoem@p@xRTLfootnote[#1]{%
9222     \begingroup
9223     \csname c@\@mpfn\endcsname #1\relax
9224     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9225     \endgroup
9226     \@footnotemark\bidipoem@p@xRTLftntext[#1]}
9227
9228
9229
9230 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
9231 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey}
9232 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
9233 \def\poem@finish{%
9234 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
9235 \ifx\poem@needrun\relax
9236 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
9237 \global\let\poem@needrun\undefined
9238 \fi
9239 }
9240 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
9241 \newcounter{poem@no}\setcounter{poem@no}{\z@}
9242 \ifx\max@poem@no\undefined
9243     \def\max@poem@no{0}%
9244 \fi
9245 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
9246 \newcommand{\poem@write@aux}[2]{%
9247     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1-#2}}}%
9248     \@x
9249 }
9250 \def\@modernpoem{%
9251 \par
9252 \begingroup
9253 \parskip=\z@
9254 \parindent=\z@
9255 \def\@settab\@tabplus\ignorespaces}%
9256 \def\@settab\@tabminus\ignorespaces}%
9257 \def\newblock{\poemblocksep}%
9258 \let\newpoem@tabcr\@tabcr
9259 \def\modernpoem@par{% Redefine \par for possible \obeylines
9260 \ifpoem@started\else
9261     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9262     \@stopfield
9263     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9264     \@contfield
9265 \fi
9266 \fi
9267 \ifpoem@started\newpoem@tabcr\fi}%
9268 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
9269 \global\poem@startedfalse

```



```

9270 \csname poem@obeylines\endcsname
9271 \let\poem@obeylines\relax
9272 \begin{tabbing}%
9273 }
9274 \def\@endmodernpoem{%
9275 \global\poem@startedfalse
9276 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9277 \@stopfield
9278 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9279 \@contfield
9280 \fi
9281 \ifpoem@started\else\let\@stopline\@stopfield\fi
9282 \end{tabbing}%
9283 \endgroup
9284 \par
9285 \if@nolist \else
9286 \ifdim\lastskip >\z@
9287 \@tempskipa\lastskip \vskip -\lastskip
9288 \advance\@tempskipa\parskip \advance\@tempskipa -\outerparskip
9289 \vskip\@tempskipa
9290 \fi
9291 \@endparenv
9292 \fi
9293 }
9294 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9295 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
9296 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9297 \gdef\@startfield{%
9298 \global\setbox\@curfield\hbox\bgroup%
9299 \let\@footnotetext\bidipoem@p@ftntext%
9300 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9301 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9302 \let\@xfootnotenext\bidipoem@p@xftntext%
9303 \let\@xfootnote\bidipoem@p@xfootnote%
9304 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9305 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9306 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9307 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9308 \color@begingroup}
9309 \gdef\@stopfield{%
9310 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
9311 \gdef\@contfield{%
9312 \global\setbox\@curfield\hbox\bgroup%
9313 \let\@footnotetext\bidipoem@p@ftntext%
9314 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9315 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9316 \let\@xfootnotenext\bidipoem@p@xftntext%
9317 \let\@xfootnote\bidipoem@p@xfootnote%
9318 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9319 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9320 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9321 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9322 \color@begingroup\unhbox\@curfield}

```



62 File boek3-xetex-bidi.def

```
9323 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeT
9324 \renewenvironment{theindex}{%
9325   \if@twocolumn
9326     \@restonecolfalse
9327   \else
9328     \@restonecoltrue
9329   \fi
9330   \columnseprule \z@
9331   \columnsep 35\p@
9332   \twocolumn[\@makeschapterhead{\indexname}]%
9333   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9334   \thispagestyle{plain}\parindent\z@
9335   \parskip\z@ \@plus .3\p@\relax
9336   \let\item\@idxitem
9337 }{%
9338   \if@restonecol\onecolumn\else\clearpage\fi}
9339 \renewcommand*{\head@style}{%
9340   \interlinepenalty \@M
9341   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9342   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9343 \renewcommand*{\@regtocline}[3]{%
9344   \ifnum #1>\c@tocdepth
9345   \else
9346     \vskip\z@ \@plus .2\p@
9347     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9348     \if@RTL\rightskip\else\leftskip\fi\unitindent
9349     \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
9350     \parfillskip\z@
9351     \@tempdima\unitindent
9352     \parindent\z@
9353     \leavevmode
9354     \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9355     \hskip 1em \nobreak{\slshape #3}\par
9356   }%
9357   \fi}
9358 \if@oldtoc
9359 \renewcommand*\l@part[2]{%
9360   \ifnum \c@tocdepth >-2\relax
9361     \addpenalty{-\@highpenalty}%
9362     \addvspace{2.25em \@plus\p@}%
9363     \begingroup
9364       \setlength\@tempdima{3em}%
9365       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9366       \parfillskip -\@pnumwidth
9367       {\leavevmode
9368         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9369       \nobreak
9370       \global\@nobreaktrue
9371       \everypar{\global\@nobreakfalse\everypar{}}%
9372     \endgroup
9373   \fi}
9374 \else
```



```

9375 \renewcommand*\l@part{%
9376 \ifnum \c@tocdepth >-2\relax
9377 \addpenalty{-\@highpenalty}%
9378 \addvspace{2.25em \@plus \p@}%
9379 \@regtocoline{0}%
9380 \fi}
9381 \fi
9382 \if@oldtoc
9383 \renewcommand*\l@chapter[2]{%
9384 \addpenalty{-\@highpenalty}%
9385 \vskip 1.0em \@plus\p@
9386 \setlength\@tempdima{1.5em}%
9387 \begingroup
9388 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9389 \parfillskip -\@pnumwidth
9390 \leavevmode \bfseries
9391 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9392 \hskip -\if@RTL\rightskip\else\leftskip\fi
9393 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9394 \penalty\@highpenalty
9395 \endgroup}
9396 \else
9397 \renewcommand*\l@chapter{\@regtocoline{0}}
9398 \fi
9399 \renewenvironment{abstract}{%
9400 \titlepage
9401 \null\vfil
9402 \section*{\SectFont \abstractname}
9403 \noindent\ignorespaces}
9404 {\par\vfil\null\endtitlepage}
9405 \renewenvironment{thebibliography}[1]
9406 {\chapter*{\bibname}%
9407 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9408 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9409 \bidi@thebibliography@font@hook%
9410 \list{\@biblabel{\@arabic\c@enumiv}}%
9411 {\settowidth\labelwidth{\@biblabel{#1}}%
9412 \leftmargin\labelwidth
9413 \advance\leftmargin\labelsep
9414 \@openbib@code
9415 \usecounter{enumiv}%
9416 \let\p@enumiv\@empty
9417 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9418 \sloppy\clubpenalty4000\widowpenalty4000%
9419 \sfcode`.\@m}
9420 {\def\@noitemerr
9421 {\@latex@warning{Empty `thebibliography' environment}}%
9422 \endlist}
9423 \renewcommand*\left@footnoterule{%
9424 \kern-3\p@
9425 \kern.5\baselineskip
9426 \hrule\@width\unitindent
9427 \kern.4\baselineskip
9428 }

```



```

9429 \renewcommand*\right@footnoterule{%
9430   \kern-3\p@
9431   \kern.5\baselineskip
9432   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9433   \kern.4\baselineskip}
9434 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9435 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9436 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9437 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9438 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9439 \renewcommand*\theequation{%
9440   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9441 \renewcommand*\thefigure{%
9442   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9443 \renewcommand*\thetable{%
9444   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9445 \renewcommand*\maketitle{%
9446   \begin{titlepage}%
9447     \let\footnotesize\small
9448     \let\right@footnoterule\relax
9449     \let\left@footnoterule\relax
9450     \let\textwidth@footnoterule\relax
9451     \let \footnote \thanks
9452     \long\def\@makefnmark##1{\parindent\z@
9453       \def\labelitemi{\textendash}\@revlabeltrue
9454       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9455     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9456     \if@compatibility\setcounter{page}{0}\fi
9457     \null\vfil
9458     \vskip 60\p@
9459     \begin{center}%
9460       \TitleFont
9461       {\LARGE \def\{\{\penalty -\@M}
9462         \if@allcaps
9463           \expandafter\uc@nothanks\@title\thanks\relax
9464         \else
9465           \@title
9466         \fi\par}%
9467       \vskip 3em%
9468       {\large
9469         \lineskip .75em \parindent\z@
9470         \begin{tabular}[t]{c}%
9471           \if@allcaps
9472             \expandafter\uc@authornothanks\@author\and\relax
9473           \else
9474             \@author
9475           \fi
9476         \end{tabular}\par}%
9477       \vskip 1.5em%
9478       {\large
9479         \if@allcaps
9480           \uppercase\expandafter{\@date}%
9481         \else
9482           \@date

```




```

9483     \fi\par}%
9484     \end{center}\par
9485     \@thanks
9486     \vfil\null
9487 \end{titlepage}%
9488 \setcounter{footnote}{0}%
9489 \global\let\thanks\relax
9490 \global\let\maketitle\relax
9491 \global\let\@thanks\@empty
9492 \global\let\@author\@empty
9493 \global\let\@title\@empty
9494 \global\let\@date\@empty
9495 \global\let\title\relax
9496 \global\let\author\relax
9497 \global\let\date\relax
9498 \global\let\and\relax
9499 }

```

63 File boek-xetex-bidi.def

```

9500 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
9501 \renewenvironment{theindex}{%
9502   \if@twocolumn
9503     \@restonecolfalse
9504   \else
9505     \@restonecoltrue
9506   \fi
9507   \columnseprule \z@
9508   \columnsep 35\p@
9509   \twocolumn[\@makeschapterhead{\indexname}]%
9510   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9511   \thispagestyle{plain}\parindent\z@
9512   \parskip\z@ \@plus .3\p@\relax
9513   \let\item\@idxitem
9514 }{%
9515 \if@restonecol\onecolumn\else\clearpage\fi}
9516 \renewcommand*{\head@style}{%
9517   \interlinepenalty \@M
9518   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9519   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsizel\relax}
9520 \renewcommand*{\regtocline}[3]{%
9521   \ifnum #1>\c@tocdepth
9522   \else
9523     \vskip\z@\@plus.2\p@
9524     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9525     \if@RTL\rightskip\else\leftskip\fi\unitindent
9526     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9527     \parfillskip\z@
9528     \@tempdima\unitindent
9529     \parindent\z@
9530     \leavevmode
9531     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9532     \hskip 1em \nobreak{\slshape #3}\par
9533   }%

```



```

9534 \fi}
9535 \if@oldtoc
9536 \renewcommand*\l@part[2]{%
9537 \ifnum \c@tocdepth >-2\relax
9538 \addpenalty{-\@highpenalty}%
9539 \addvspace{2.25em \@plus\p@}%
9540 \begingroup
9541 \setlength\@tempdima{3em}%
9542 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9543 \parfillskip -\@pnumwidth
9544 {\leavevmode
9545 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9546 \nobreak
9547 \global\@nobreaktrue
9548 \everypar{\global\@nobreakfalse\everypar{}}%
9549 \endgroup
9550 \fi}
9551 \else
9552 \renewcommand*\l@part{%
9553 \ifnum \c@tocdepth >-2\relax
9554 \addpenalty{-\@highpenalty}%
9555 \addvspace{2.25em \@plus \p@}%
9556 \@regtocline{0}%
9557 \fi}
9558 \fi
9559 \if@oldtoc
9560 \renewcommand*\l@chapter[2]{%
9561 \addpenalty{-\@highpenalty}%
9562 \vskip 1.0em \@plus\p@
9563 \setlength\@tempdima{1.5em}%
9564 \begingroup
9565 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9566 \parfillskip -\@pnumwidth
9567 \leavevmode \bfseries
9568 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9569 \hskip -\if@RTL\rightskip\else\leftskip\fi
9570 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9571 \penalty\@highpenalty
9572 \endgroup}
9573 \else
9574 \renewcommand*\l@chapter{\@regtocline{0}}
9575 \fi
9576 \renewcommand*\left@footnoterule{%
9577 \kern-3\p@
9578 \kern.5\baselineskip
9579 \hrule\@width\unitindent
9580 \kern.4\baselineskip
9581 }
9582 \renewcommand*\right@footnoterule{%
9583 \kern-3\p@
9584 \kern.5\baselineskip
9585 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9586 \kern.4\baselineskip}
9587 \renewenvironment{abstract}{%

```



```

9588     \titlepage
9589     \null\vfil
9590     \section*{\SectFont \abstractname}
9591     \noindent\ignorespaces}
9592     {\par\vfil\null\endtitlepage}
9593 \renewenvironment{thebibliography}[1]
9594     {\chapter*{\bibname}%
9595      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9596      \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
9597      \bidi@thebibliography@font@hook%
9598      \list{\@biblabel{\@arabic\c@enumiv}}%
9599          {\settowidth\labelwidth{\@biblabel{#1}}%
9600           \leftmargin\labelwidth
9601           \advance\leftmargin\labelsep
9602           \@openbib@code
9603           \usecounter{enumiv}%
9604           \let\p@enumiv\@empty
9605           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9606      \sloppy\clubpenalty4000\widowpenalty4000%
9607      \sfcode`..\@m}
9608     {\def\@noitemerr
9609      {\@latex@warning{Empty `thebibliography' environment}}}%
9610     \endlist}
9611 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9612 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9613 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9614 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9615 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9616 \renewcommand*\theequation{%
9617   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9618 \renewcommand*\thefigure{%
9619   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9620 \renewcommand*\thetable{%
9621   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9622 \renewcommand*\maketitle{%
9623   \begin{titlepage}%
9624     \let\footnotesize\small
9625     \let\right@footnoterule\relax
9626     \let\left@footnoterule\relax
9627     \let\textwidth@footnoterule\relax
9628     \let \footnote \thanks
9629     \long\def\@makefntext##1{\parindent\z@
9630       \def\labelitemi{\textendash}\@revlabeltrue
9631       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9632     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9633     \if@compatibility\setcounter{page}{0}\fi
9634     \null\vfil
9635     \vskip 60\p@
9636     \begin{center}%
9637       \TitleFont
9638       {\LARGE \def\\{\penalty -\@M}
9639        \if@allcaps
9640         \expandafter\uc@nothanks\@title\thanks\relax
9641         \else

```



```

9642     \@title
9643     \fi\par}%
9644     \vskip 3em%
9645     {\large
9646     \lineskip .75em \parindent\z@
9647     \begin{tabular}[t]{c}%
9648     \if@allcaps
9649     \expandafter\uc@authornothanks\@author\and\relax
9650     \else
9651     \@author
9652     \fi
9653     \end{tabular}\par}%
9654     \vskip 1.5em%
9655     {\large
9656     \if@allcaps
9657     \uppercase\expandafter{\@date}%
9658     \else
9659     \@date
9660     \fi\par}%
9661     \end{center}\par
9662     \@thanks
9663     \vfil\null
9664 \end{titlepage}%
9665 \setcounter{footnote}{0}%
9666 \global\let\thanks\relax
9667 \global\let\maketitle\relax
9668 \global\let\@thanks\@empty
9669 \global\let\@author\@empty
9670 \global\let\@title\@empty
9671 \global\let\@date\@empty
9672 \global\let\title\relax
9673 \global\let\author\relax
9674 \global\let\date\relax
9675 \global\let\and\relax
9676 }

```

64 File `bookest-xetex-bidi.def`

```

9677 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
9678 \def\makechapterhead#1{%
9679   \vspace*{20\p@}
9680   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9681     \ifnum \c@secnumdepth >\m@ne
9682       \if@mainmatter
9683         {\colorA\huge\scshape \@chapapp\space \thechapter}
9684         \par\nobreak
9685         \vskip 10\p@
9686       \fi
9687     \fi
9688     \interlinepenalty\@M
9689     {\colorB\hrule}
9690     \vskip 15\p@
9691     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9692     {\colorA\Huge \bfseries #1}\par\nobreak

```



```

9693 \if@RTL\end{flushleft}\else\end{flushright}\fi
9694 \vskip 5\p@
9695 {\colorB\hrule}
9696 \vskip 30\p@
9697 }}
9698 \def\@makeschapterhead#1{%
9699 \vspace*{20\p@}
9700 {\parindent \z@ \raggedright \normalfont
9701 {\colorB\hrule}
9702 \vskip 15\p@
9703 \begin{center}
9704 {\colorA\Huge \bfseries #1}\par\nobreak
9705 \end{center}
9706 \vskip 5\p@
9707 {\colorB\hrule}
9708 \vskip 30\p@
9709 }}

```

65 File book-xetex-bidi.def

```

9710 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class]
9711 \renewenvironment{theindex}
9712     {\if@twocolumn
9713         \@restonecolfalse
9714         \else
9715             \@restonecoltrue
9716         \fi
9717         \columnseprule \z@
9718         \columnsep 35\p@
9719         \twocolumn[\@makeschapterhead{\indexname}]%
9720         \@mkboth{\MakeUppercase\indexname}%
9721                 {\MakeUppercase\indexname}%
9722         \thispagestyle{plain}\parindent\z@
9723         \parskip\z@ \@plus .3\p@\relax
9724         \let\item\@idxitem}
9725     {\if@restonecol\onecolumn\else\clearpage\fi}
9726 \@ifclassloaded{bookest}{}{%
9727     \if@titlepage
9728     \renewcommand\maketitle{\begin{titlepage}%
9729     \let\footnotesize\small
9730     \let\right@footnoterule\relax
9731     \let\left@footnoterule\relax
9732     \let\textwidth@footnoterule\relax
9733     \let \footnote \thanks
9734     \let \LTRfootnote \LTRthanks
9735     \let \RTLfootnote \RTLthanks
9736     \null\vfil
9737     \vskip 60\p@
9738     \begin{center}%
9739     {\LARGE \@title \par}%
9740     \vskip 3em%
9741     {\large
9742     \lineskip .75em%
9743     \begin{tabular}[t]{c}%

```



```

9744     \@author
9745     \end{tabular}\par}%
9746     \vskip 1.5em%
9747     { \large \@date \par}%           % Set date in \large size.
9748 \end{center}\par
9749 \@thanks
9750 \vfil\null
9751 \end{titlepage}%
9752 \setcounter{footnote}{0}%
9753 \global\let\thanks\relax
9754 \global\let\LTRthanks\relax
9755 \global\let\RTLthanks\relax
9756 \global\let\maketitle\relax
9757 \global\let\@thanks\@empty
9758 \global\let\@author\@empty
9759 \global\let\@date\@empty
9760 \global\let\@title\@empty
9761 \global\let\title\relax
9762 \global\let\author\relax
9763 \global\let\date\relax
9764 \global\let\and\relax
9765 }
9766 \else
9767 \renewcommand\maketitle{\par
9768 \begingroup
9769   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9770   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9771   \long\def\@makefntext##1{\parindent 1em\noindent
9772     \hb@xt@1.8em{%
9773       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9774   \if@twocolumn
9775     \ifnum \col@number=\@ne
9776       \@maketitle
9777     \else
9778       \twocolumn[\@maketitle]%
9779     \fi
9780   \else
9781     \newpage
9782     \global\@topnum\z@   % Prevents figures from going at top of page.
9783     \@maketitle
9784   \fi
9785   \thispagestyle{plain}\@thanks
9786 \endgroup
9787 \setcounter{footnote}{0}%
9788 \global\let\thanks\relax
9789 \global\let\LTRthanks\relax
9790 \global\let\RTLthanks\relax
9791 \global\let\maketitle\relax
9792 \global\let\@maketitle\relax
9793 \global\let\@thanks\@empty
9794 \global\let\@author\@empty
9795 \global\let\@date\@empty
9796 \global\let\@title\@empty
9797 \global\let\title\relax

```



```

9798 \global\let\author\relax
9799 \global\let\date\relax
9800 \global\let\and\relax
9801 }
9802 \def\@maketitle{%
9803 \newpage
9804 \null
9805 \vskip 2em%
9806 \begin{center}%
9807 \let \footnote \thanks
9808 \let \LTRfootnote \LTRthanks
9809 \let \RTLfootnote \RTLthanks
9810 {\LARGE \@title \par}%
9811 \vskip 1.5em%
9812 {\large
9813 \lineskip .5em%
9814 \begin{tabular}[t]{c}%
9815 \@author
9816 \end{tabular}\par}%
9817 \vskip 1em%
9818 {\large \@date}%
9819 \end{center}%
9820 \par
9821 \vskip 1.5em}
9822 \fi}
9823 \renewcommand*\l@part[2]{%
9824 \ifnum \c@tocdepth >-2\relax
9825 \addpenalty{-\@highpenalty}%
9826 \addvspace{2.25em \@plus\p@}%
9827 \setlength\@tempdima{3em}%
9828 \begingroup
9829 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9830 \parfillskip -\@pnumwidth
9831 {\leavevmode
9832 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9833 \nobreak
9834 \global\@nobreaktrue
9835 \everypar{\global\@nobreakfalse\everypar{}}%
9836 \endgroup
9837 \fi}
9838 \renewcommand*\l@chapter[2]{%
9839 \ifnum \c@tocdepth >\m@ne
9840 \addpenalty{-\@highpenalty}%
9841 \vskip 1.0em \@plus\p@
9842 \setlength\@tempdima{1.5em}%
9843 \begingroup
9844 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9845 \parfillskip -\@pnumwidth
9846 \leavevmode \bfseries
9847 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9848 \hskip -\if@RTL\rightskip\else\leftskip\fi
9849 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9850 \penalty\@highpenalty
9851 \endgroup

```



```

9852 \fi}
9853 \renewcommand\left@footnoterule{%
9854 \kern-3\p@
9855 \hrule\@width.4\columnwidth
9856 \kern2.6\p@}
9857 \renewcommand\right@footnoterule{%
9858 \kern-3\p@
9859 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9860 \kern2.6\p@}
9861 \renewcommand\theequation
9862 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9863 \renewcommand \thefigure
9864 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9865 \renewcommand \thetable
9866 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9867 \renewcommand \thechapter {\@arabic\c@chapter}
9868 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9869 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9870 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9871 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9872 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9873 \def\@makechapterhead#1{%
9874 \vspace*{50\p@}%
9875 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9876 \ifnum \c@secnumdepth >\m@ne
9877 \if@mainmatter
9878 \huge\bfseries \@chapapp\space \thechapter
9879 \par\nobreak
9880 \vskip 20\p@
9881 \fi
9882 \fi
9883 \interlinepenalty\@M
9884 \Huge \bfseries #1\par\nobreak
9885 \vskip 40\p@
9886 }}
9887 \def\@makeschapterhead#1{%
9888 \vspace*{50\p@}%
9889 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9890 \normalfont
9891 \interlinepenalty\@M
9892 \Huge \bfseries #1\par\nobreak
9893 \vskip 40\p@
9894 }}
9895 \renewcommand\backmatter{%
9896 \if@openright
9897 \cleardoublepage
9898 \else
9899 \clearpage
9900 \fi
9901 \@mainmatterfalse}
9902 \renewenvironment{thebibliography}[1]
9903 {\chapter*{\bibname}%
9904 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9905 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```




```

9906 \bidi@thebibliography@font@hook%
9907 \list{\@biblabel{\@arabic\c@enumiv}}%
9908     {\settoheight\labelwidth{\@biblabel{#1}}%
9909     \leftmargin\labelwidth
9910     \advance\leftmargin\labelsep
9911     \@openbib@code
9912     \usecounter{enumiv}}%
9913     \let\p@enumiv\@empty
9914     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9915 \sloppy
9916 \clubpenalty4000
9917 \@clubpenalty \clubpenalty
9918 \widowpenalty4000%
9919 \sfcode\.\@m}
9920 {\def\@noitemerr
9921     {\@latex@warning{Empty `thebibliography' environment}}}%
9922 \endlist}

```

66 File breqn-xetex-bidi.def

```

9923 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
9924 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
9925 \everydisplay\expandafter{\the\everydisplay \display@setup}%
9926 \if@noskipsec \leavevmode \fi
9927 \if@inlabel \leavevmode \global\@inlabelfalse \fi
9928 \if\eq@group\else\eq@prelim\fi
9929 \setkeys{breqn}{#1}%
9930 \the\eqstyle
9931 \eq@setnumber
9932 \begingroup
9933 \eq@setup@a
9934 \eq@startup
9935 }
9936 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
9937 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9938 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
9939 \global\let\GRP@label\@empty
9940 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
9941 \global\grp@linewidth\z@\global\grp@wdNum\z@
9942 \global\let\grp@eqs@numbered\@False
9943 \global\let\grp@aligned\@True
9944 \global\let\grp@shiftnumber\@False
9945 \eq@prelim
9946 \setkeys{breqn}{#1}%
9947 \if\grp@hasNumber \grp@setnumber \fi
9948 }
9949 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
9950 \let\display@setup\dseries@display@setup
9951 % Question: should this be the default for dseries???
9952 \global\eq@wdCond\z@
9953 \@dmath[layout={M},#1]%
9954 \mathsurround\z@\@math \penalty\@Mi
9955 \let\endmath\ends@math
9956 \def\premath{%

```



```

9957 \ifdim\lastskip<.3em \unskip
9958 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9959 }%
9960 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9961 \ignorespaces
9962 }
9963 \def\eqnumform#1{\ifnonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\ifnonlatin\endR\fi}
9964 \renewenvironment{dsuspend}{%
9965 \global\setbox\EQ@box\ vbox\bgroup\ifnonlatin\@RTLtrue\fi \@parboxrestore
9966 \parshape 1 \displayindent \displaywidth\relax
9967 \hsize=\columnwidth \noindent\ignorespaces
9968 }{%
9969 \par\egroup
9970 \global\setbox\GRP@box\ vbox{%
9971 \hbox{\copy\EQ@box\ vtop{\unvbox\EQ@box}}%
9972 \unvbox\GRP@box
9973 }%
9974 \global\GRP@queue\@xp{\the\GRP@queue
9975 \@elt{\let\eq@isIntertext\@True}}%
9976 }%
9977 }

```

67 File cals-xetex-bidi.def

```

9978 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeT
9979 \renewcommand\cals@setup@alignment[1]{%
9980 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9981 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9982 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9983 }
9984 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
9985 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9986 \if@RTLtab\cals@activate@rtl\fi
9987 \let\cals@thead@tokens=\relax
9988 \let\cals@tfoot@tokens=\relax
9989 \let\cals@tbody@tokens=\relax
9990 \cals@tfoot@height=Opt \relax
9991 \let\cals@last@context=n%
9992 \let\cals@current@context=b%
9993 \parindent=Opt \relax%
9994 \cals@setup@alignment{#1}%
9995 \cals@setpadding{Ag}\cals@setcellprevdepth{A1}\cals@set@tohsize%
9996 %% Alignment inside is independent on center/flushright outside
9997 \parfillskip=Opt plus1fil\relax
9998 \let\cals@borderL=\relax
9999 \let\cals@borderR=\relax
10000 \let\cals@borderT=\relax
10001 \let\cals@borderB=\relax
10002 \setbox\cals@backup@row=\box\voidb@x\relax
10003 \cals@AtBeginTable
10004 }{% End of the table
10005 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
10006 \renewcommand\alignL{%
10007 \if@RTLtab

```



```

10008 \cals@vfillAdd\cals@paddingL
10009 \else
10010 \cals@vfillDrop\cals@paddingL
10011 \fi
10012 \cals@vfillDrop\cals@paddingR}
10013 \renewcommand\alignR{%
10014 \if@RTLtab
10015 \cals@vfillDrop\cals@paddingL
10016 \else
10017 \cals@vfillAdd\cals@paddingL
10018 \fi
10019 \cals@vfillDrop\cals@paddingR}

```

68 File caption-xetex-bidi.def

```

10020 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package f
10021 \let\makecaption\caption@makecaption

```

69 File caption3-xetex-bidi.def

```

10022 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
10023 \renewcommand*\caption@par{%
10024 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

70 File colortbl-xetex-bidi.def

```

10025 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
10026 \def\CT@setup{%
10027 \@tempdimb\col@sep
10028 \@tempdimc\col@sep
10029 \def\CT@color{%
10030 \global\let\CT@do@color\CT@@do@color
10031 \bidicolor}}
10032 \def\@classz{\@classx
10033 \@tempcnta \count@
10034 \prepnext@tok
10035 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
10036 \@addtopreamble{\if@RTLtab\beginL\fi%
10037 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
10038 \ifcase \@chnum
10039 \hskip\stretch{.5}\kern\z@
10040 \d@llarbegin
10041 \insert@column
10042 \d@llarend\hskip\stretch{.5}\or
10043 \d@llarbegin \insert@column \d@llarend \hfill \or
10044 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
10045 $\vcenter
10046 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
10047 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
10048 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
10049 \fi
10050 \if@RTLtab\endR\fi\egroup\egroup
10051 \begingroup
10052 \CT@setup

```



```

10053 \CT@column@color
10054 \CT@row@color
10055 \CT@cell@color
10056 \CT@do@color
10057 \endgroup
10058 \@tempdima\ht\z@
10059 \advance\@tempdima\minrowclearance
10060 \vrule\@height\@tempdima\@width\z@
10061 \unhbox\z@\if@RTLtab\endL\fi}%
10062 \prepnext@tok}

```

71 File color-xetex-bidi.def

```

10063 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for X
10064 \long\def\color@box#1#2#3{%
10065 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
10066 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
10067 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
10068 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
10069 #1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
10070 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
10071 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
10072 \DeclareRobustCommand\color{%
10073 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
10074 \def\@declaredcolor#1{%
10075 \@ifundefined{string\color @#1}%
10076 {\c@lor@error{`#1'}}%
10077 {\expandafter\let\expandafter\current@color
10078 \csname\string\color @#1\endcsname
10079 \set@color}%
10080 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
10081 \def\@undeclaredcolor[#1]#2{%
10082 \@ifundefined{color@#1}%
10083 {\c@lor@error{model `#1'}}%
10084 {\csname color@#1\endcsname\current@color{#2}%
10085 \set@color}%
10086 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
10087 \DeclareRobustCommand\bidicolor{%
10088 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]}
10089 \def\@bidiundeclaredcolor[#1]#2{%
10090 \@ifundefined{color@#1}%
10091 {\c@lor@error{model `#1'}}%
10092 {\csname color@#1\endcsname\current@color{#2}%
10093 \set@color}%
10094 \ignorespaces}
10095 \def\@bidideclaredcolor#1{%
10096 \@ifundefined{\string\color @#1}%
10097 {\c@lor@error{`#1'}}%
10098 {\expandafter\let\expandafter\current@color
10099 \csname\string\color @#1\endcsname
10100 \set@color}%
10101 \ignorespaces}
10102 \def\color@box#1#2{\color@box\relax{\bidicolor#1{#2}}}
10103 \def\color@fbox#1#2#3{%

```



```

10104 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}
10105 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

72 File combine-xetex-bidi.def

```

10106 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
10107 \renewcommand{\c@ll@chapsecii}[2]{%
10108 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
10109 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
10110 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10111 }
10112 \renewcommand{\c@ll@chapseci}{%
10113 \setlength\@tempdima{0em}%
10114 \begingroup
10115 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10116 \parfillskip -\@pnumwidth
10117 \leavevmode
10118 }
10119 \renewenvironment{tocindent}[1]{%
10120 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

73 File crop-xetex-bidi.def

```

10121 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeT
10122 \renewcommand*\CROP@ulc{%
10123 \if@RTLmain%
10124 \begin{picture}(0,0)
10125 \unitlength\p@\thinlines
10126 \put(-40,0){\circle{10}}
10127 \put(-30,-5){\line(0,1){10}}
10128 \put(-35,0){\line(1,0){30}}
10129 \put(-10,30){\circle{10}}
10130 \put(-5,30){\line(1,0){10}}
10131 \put(0,35){\line(0,-1){30}}
10132 \end{picture}%
10133 \else%
10134 \begin{picture}(0,0)
10135 \unitlength\p@\thinlines
10136 \put(-30,0){\circle{10}}
10137 \put(-30,-5){\line(0,1){10}}
10138 \put(-35,0){\line(1,0){30}}
10139 \put(0,30){\circle{10}}
10140 \put(-5,30){\line(1,0){10}}
10141 \put(0,35){\line(0,-1){30}}
10142 \end{picture}%
10143 \fi%
10144 }
10145 \renewcommand*\CROP@urc{%
10146 \if@RTLmain%
10147 \begin{picture}(0,0)
10148 \unitlength\p@\thinlines
10149 \put(20,0){\circle{10}}
10150 \put(30,-5){\line(0,1){10}}
10151 \put(35,0){\line(-1,0){30}}

```



```

10152     \put(-10,30){\circle{10}}
10153     \put(-5,30){\line(1,0){10}}
10154     \put(0,35){\line(0,-1){30}}
10155 \end{picture}%
10156 \else%
10157 \begin{picture}(0,0)
10158     \unitlength\p@\thinlines
10159     \put(30,0){\circle{10}}
10160     \put(30,-5){\line(0,1){10}}
10161     \put(35,0){\line(-1,0){30}}
10162     \put(0,30){\circle{10}}
10163     \put(-5,30){\line(1,0){10}}
10164     \put(0,35){\line(0,-1){30}}
10165 \end{picture}%
10166 \fi%
10167 }
10168 \renewcommand*\CROP@llc{%
10169 \if@RTLmain%
10170     \begin{picture}(0,0)
10171     \unitlength\p@\thinlines
10172     \put(-40,0){\circle{10}}
10173     \put(-30,-5){\line(0,1){10}}
10174     \put(-35,0){\line(1,0){30}}
10175     \put(-10,-30){\circle{10}}
10176     \put(-5,-30){\line(1,0){10}}
10177     \put(0,-35){\line(0,1){30}}
10178 \end{picture}%
10179 \else%
10180 \begin{picture}(0,0)
10181     \unitlength\p@\thinlines
10182     \put(-30,0){\circle{10}}
10183     \put(-30,-5){\line(0,1){10}}
10184     \put(-35,0){\line(1,0){30}}
10185     \put(0,-30){\circle{10}}
10186     \put(-5,-30){\line(1,0){10}}
10187     \put(0,-35){\line(0,1){30}}
10188 \end{picture}%
10189 \fi%
10190 }
10191 \renewcommand*\CROP@lrc{%
10192 \if@RTLmain%
10193     \begin{picture}(0,0)
10194     \unitlength\p@\thinlines
10195     \put(20,0){\circle{10}}
10196     \put(30,-5){\line(0,1){10}}
10197     \put(35,0){\line(-1,0){30}}
10198     \put(-10,-30){\circle{10}}
10199     \put(-5,-30){\line(1,0){10}}
10200     \put(0,-35){\line(0,1){30}}
10201 \end{picture}%
10202 \else%
10203 \begin{picture}(0,0)
10204     \unitlength\p@\thinlines
10205     \put(30,0){\circle{10}}

```



```

10206     \put(30,-5){\line(0,1){10}}
10207     \put(35,0){\line(-1,0){30}}
10208     \put(0,-30){\circle{10}}
10209     \put(-5,-30){\line(1,0){10}}
10210     \put(0,-35){\line(0,1){30}}
10211 \end{picture}%
10212 \fi%
10213 }
10214 \@ifpackagewith{crop}{cam}{%
10215 \CROP@execopt{cam}%
10216 }{}

```

74 File cutwin-xetex-bidi.def

```

10217 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
10218 \renewcommand*{\c@twcompctr}[2]{%
10219 \def\c@twfirst{1}
10220 \loop\advance\c@twinlines\m@ne
10221 \setbox\c@twslicea=\vsplit#1 to\baselineskip
10222 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
10223 \c@twprune{\c@twslicea}{\c@twlftside}%
10224 \c@twprune{\c@twsliceb}{\c@twrtside}%
10225 \ifnum\c@twfirst=\@ne
10226 \setbox#2=\vbox{\unvbox#2\hbox
10227 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
10228 \else
10229 \setbox#2=\vbox{\unvbox#2\hbox
10230 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\B
10231 \fi
10232 \def\c@twfirst{2}
10233 \ifnum\c@twinlines>\z@\repeat}
10234 \renewcommand*{\c@twcompodctr}[2]{%
10235 \def\c@twrounds{1}
10236 \def\c@twfirst{1}
10237 \@for\c@twlspec:=\c@twb\do{%
10238 \ifnum\c@twrounds=1
10239 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
10240 \c@twprune{\c@twslicea}{\c@twlspec}%
10241 \def\c@twrounds{2}
10242 \else
10243 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
10244 \c@twprune{\c@twsliceb}{\c@twlspec}%
10245 \ifnum\c@twfirst=1
10246 \setbox#2=\vbox{\unvbox#2\hbox
10247 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\
10248 \def\c@twfirst{2}
10249 \else
10250 \setbox#2=\vbox{\unvbox#2\hbox
10251 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\el
10252 \fi
10253 \def\c@twrounds{1}
10254 \fi}}

```



75 File cuted-xetex-bidi.def

```
10255 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for X
10256
10257 \def\RTL@outputdblcol{%
10258   \if@firstcolumn
10259     \global\@firstcolumnfalse
10260     \global\setbox\@leftcolumn\copy\@outputbox
10261     \splitmaxdepth\maxdimen
10262     \vbadness\maxdimen
10263     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10264     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10265     \toks@\expandafter{\topmark}%
10266     \xdef\@firstcoltopmark{\the\toks@}%
10267     \toks@\expandafter{\splitfirstmark}%
10268     \xdef\@firstcolfirstmark{\the\toks@}%
10269     \ifx\@firstcolfirstmark\@empty
10270       \global\let\@setmarks\relax
10271     \else
10272       \gdef\@setmarks{%
10273         \let\firstmark\@firstcolfirstmark
10274         \let\topmark\@firstcoltopmark}%
10275     \fi
10276   \else
10277     \global\@firstcolumntrue
10278     \setbox\@outputbox\vbox{%
10279       \hb@xt@\textwidth{%
10280         \hskip \columnwidth
10281         \hfil
10282         {\normalcolor\vrule \@width\columnseprule}%
10283         \hfil
10284         \hb@xt@\columnwidth{%
10285           \bidi@firstcolumn@status@write%
10286           \box\@leftcolumn \hss}%
10287         \hskip -\textwidth
10288         \hb@xt@\columnwidth{%
10289           \bidi@lastcolumn@status@write%
10290           \box\@outputbox \hss}%
10291         \hskip \columnsep
10292         \hskip \columnwidth }}%
10293     \ifvoid\hold@viper
10294     \else
10295       \setbox\@outputbox \vbox to\textheight{%
10296         \box\hold@viper
10297         \box\@outputbox
10298         \vss
10299       }%
10300     \fi
10301   \@combinedblfloats
10302   \@setmarks
10303   \@outputpage
10304   \begingroup
10305   \@dblfloatplacement
10306   \startdblcolumn
```




```

10307     \@whilesw\if@fcolmade \fi{\@outputpage
10308     \@startdblcolumn}%
10309     \ifvoid\@viper
10310     \else
10311         \global\setbox\@viper\vbox{%
10312             \vskip-\stripsep
10313             \unvbox\@viper
10314             }%
10315         \@viperoutput
10316     \fi
10317 \endgroup
10318 \fi}%
10319
10320 \def\LTR@outputdblcol{%
10321     \if@firstcolumn
10322         \global\@firstcolumnfalse
10323         \global\setbox\@leftcolumn\copy\@outputbox
10324         \splitmaxdepth\maxdimen
10325         \vbadness\maxdimen
10326         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10327         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10328         \toks@\expandafter{\topmark}%
10329         \xdef\@firstcoltopmark{\the\toks@}%
10330         \toks@\expandafter{\splitfirstmark}%
10331         \xdef\@firstcolfirstmark{\the\toks@}%
10332         \ifx\@firstcolfirstmark\@empty
10333             \global\let\@setmarks\relax
10334         \else
10335             \gdef\@setmarks{%
10336                 \let\firstmark\@firstcolfirstmark
10337                 \let\topmark\@firstcoltopmark}%
10338         \fi
10339     \else
10340         \global\@firstcolumntrue
10341         \setbox\@outputbox\vbox{%
10342             \hb@xt@\textwidth{%
10343                 \hb@xt@\columnwidth{%
10344                     \bidi@firstcolumn@status@write%
10345                     \box\@leftcolumn \hss}%
10346                 \hfil
10347                 {\normalcolor\vrule \@width\columnseprule}%
10348                 \hfil
10349                 \hb@xt@\columnwidth{%
10350                     \bidi@lastcolumn@status@write%
10351                     \box\@outputbox \hss}}}%
10352         \ifvoid\hold@viper
10353         \else
10354             \setbox\@outputbox \vbox to\textheight{%
10355                 \box\hold@viper
10356                 \box\@outputbox
10357                 \vss
10358                 }%
10359         \fi
10360     \@combinedblfloats

```



```

10361 \@setmarks
10362 \@outputpage
10363 \beginingroup
10364   \@dblfloatplacement
10365   \@startdblcolumn
10366   \@whilesw@if@fcolmade \fi{\@outputpage
10367   \@startdblcolumn}%
10368   \ifvoid\viper
10369   \else
10370     \global\setbox\viper\vbox{%
10371       \vskip-\stripsep
10372       \unvbox\viper
10373     }%
10374     \@viperoutput
10375   \fi
10376 \endgroup
10377 \fi}%
10378
10379 \def\@addviper{%
10380   \@insertfalse
10381   \def\var@thecol@num{2}%
10382   \if@firstcolumn
10383     \def\var@thecol@num{1}%
10384     \@reqcolroom=.5\@pageht
10385     \ht@viper=\@reqcolroom
10386     \advance\@reqcolroom by\ht\viper
10387     \advance\@reqcolroom by\stripsep
10388   \else
10389     \@reqcolroom=\@colht
10390     \advance\@reqcolroom by\@pageht
10391     \ht@viper.5\@reqcolroom
10392     \@reqcolroom=\ht@viper
10393     \advance\@reqcolroom by\ht\viper
10394     \advance\@reqcolroom by\stripsep
10395     \global\setbox\@holdpg\vbox{%
10396       \setbox\cuted@tempbox@a\vbox{%
10397         \aftergroup\unvbox
10398         \unvcopy\@leftcolumn
10399         \unskip\unkern\unpenalty
10400         \setbox\@tempboxa\lastbox
10401         \ifdim\dimexpr\ht\@tempboxa+\wd\@tempboxa+\dp\@tempboxa>\z@
10402           %% keeps lastbox
10403           \aftergroup\@leftcolumn
10404         \else
10405           %% removes lastbox
10406           \aftergroup\cuted@tempbox@a
10407         \fi
10408       }%
10409       \unskip\unkern\unpenalty
10410       \on@stripcols@break
10411       \the\At@ViperColsBreak
10412       \unvbox\@holdpg
10413     }%
10414   \global\At@ViperColsBreak{}}%

```



```

10415     \ht@viper=.5\ht\@holdpg
10416     \ifdim\ht@viper>\@colht
10417         \ht@viper=\@colht
10418     \fi
10419 \fi
10420 %%
10421 %% calculations for breaking
10422 %%
10423 \ifvoid\hold@viper
10424     \ht@hold@viper=\z@
10425 \else
10426     \ht@hold@viper=\ht\hold@viper
10427 \fi
10428 \cuted@@tempdim@b\ht@viper
10429 \set@split@topskip@to\topskip
10430 \loop
10431     \xdef\saved@tempdim@b{\the\cuted@@tempdim@b}%
10432     \setbox\cuted@@varbox@a\copy\@holdpg
10433     \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
10434     %% set leftcolumn boxes
10435     \setbox\cuted@@tempbox@c\ vbox{\unvbox\cuted@@tempbox@a}%
10436     \setbox\cuted@@tempbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10437     \xdef\var@@leftcolumn@badness{\the\badness}%
10438     %% set rightcolumn boxes
10439     \setbox\cuted@@varbox@c\ vbox{\unvbox\cuted@@varbox@a}%
10440     \setbox\cuted@@varbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10441     \xdef\var@@rightcolumn@badness{\the\badness}%
10442     %% analyzing split goodness
10443     \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10444     \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10445     \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10446     \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
10447     \cuted@@wlog@debug{CUTED [----]}%
10448     ^^JLeft: \the\ht\cuted@@tempbox@c
10449     +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10450     ^^JRight: \the\ht\cuted@@varbox@c
10451     +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
10452     ^^JSplit: \the\cuted@@tempdim@b
10453     ^^JExtra height: \the\cuted@@tempdim@spread
10454     }%
10455     \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10456         \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10457             \cuted@@tempdim@spread=\z@
10458         \fi
10459     \fi
10460     \ifdim\cuted@@tempdim@spread<\z@
10461         \if@leftcolumn@spread
10462             \if@rightcolumn@shrink
10463                 \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10464                     \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
10465                 \else
10466                     \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\relax
10467                 \fi
10468             \setbox\cuted@@varbox@a\ vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}

```



```

10469         \ifnum\badness<\cuted@@column@badness
10470             \cuted@@tempdim@b=\cuted@@tempdim@a
10471             \cuted@@tempdim@spread=\z@
10472         \fi
10473         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on
10474         \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c
10475         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on
10476     \else
10477         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10478             \unvcopy\cuted@@tempbox@c
10479         }%
10480         \ifnum\badness<\cuted@@column@badness
10481             \@tempdimb=\ht\cuted@@varbox@c
10482             \cuted@@tempdim@spread=\z@
10483         \fi
10484         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\h
10485         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10486             \unvcopy\cuted@@varbox@c
10487         }%
10488         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\
10489     \fi
10490 \else
10491     \if@right@column@shrink
10492         \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10493         \else
10494             \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10495             \cuted@@tempdim@spread=\z@
10496         \fi
10497     \fi
10498 \fi
10499 \else
10500     \ifdim\cuted@@tempdim@spread>\z@
10501         \ifdim\dimexpr\@tempdimb+p@\relax>\@colht
10502             \cuted@@tempdim@b=\@colht
10503             \cuted@@tempdim@spread=\z@
10504         \fi
10505     \fi
10506 \fi
10507 \ifdim\cuted@@tempdim@spread<\z@
10508     \advance\cuted@@tempdim@b 1p@
10509 \repeat
10510 \wlog{CUTED [- LAST -]}%
10511 ^^JExtra skip:\the\cuted@@tempdim@spread
10512 ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10513 ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10514 ^^JSplit: \saved@tempdimb
10515 ^^JOutput:\the\cuted@@tempdim@b
10516 ^^JPageshrink: \the\pageshrink
10517 ^^JPagestretch: \the\pagestretch
10518 ^^J@colht:\the\@colht
10519 }%
10520 %%
10521 %% final construction of the cuted page above strip
10522 %%

```



```

10523 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10524 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10525   \cuted@@tempdim@a=\dimexpr
10526     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10527     \relax
10528   \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10529   \unvbox\cuted@@tempbox@c
10530   \ifdim\cuted@@tempdim@spread>\dp\strutbox
10531   \else
10532     \vskip-\cuted@@tempdim@spread
10533   \fi
10534   \prevdepth\z@
10535   \hrule\@height\cuted@@page@rule width\textwidth
10536   \vskip-\cuted@@page@rule
10537   \ifdim\cuted@@tempdim@a>\z@
10538     \if@left@column@spread
10539     \else
10540       \vss
10541     \fi
10542   \else
10543     \ifdim\cuted@@tempdim@a<\z@
10544       \if@left@column@shrink
10545       \else
10546         \vss
10547       \fi
10548     \fi
10549   \fi
10550 }%
10551 \wlog{CUTED [output]: \the\cuted@@tempdim@b
10552   ^^JCUTED [leftcolumn badness]: \number\badness
10553 }%
10554 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
10555   \cuted@@tempdim@a=\dimexpr
10556     \cuted@@tempdim@b-\ht\@holdpg
10557     \relax
10558   \unvbox\@holdpg
10559   \ifdim\cuted@@tempdim@a>\z@
10560     \if@right@column@spread
10561     \else
10562       \vss
10563     \fi
10564   \else
10565     \ifdim\cuted@@tempdim@a<\z@
10566       \if@right@column@shrink
10567       \else
10568         \vss
10569       \fi
10570     \fi
10571   \fi
10572 }%
10573 \wlog{CUTED [rightcolumn badness]: \number\badness}%
10574 \setbox\cuted@@tempbox@var\vbox{%
10575   \hb@xt@\textwidth{%
10576     \ifRTLmain

```



```

10577         \hskip \columnwidth
10578         \hfil
10579         {\normalcolor\vrule \@width\columnseprule}%
10580         \hfil
10581         \hb@xt@\columnwidth{%
10582             \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10583             \hss
10584         }%
10585         \hskip -\textwidth
10586         \hb@xt@\columnwidth{%
10587             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10588             \hss
10589         }%
10590         \hskip \columnsep
10591         \hskip \columnwidth
10592     \else
10593         \hb@xt@\columnwidth{%
10594             \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10595             \hss
10596         }%
10597         \hfil
10598         {\normalcolor\vrule \@width\columnseprule}%
10599         \hfil
10600         \hb@xt@\columnwidth{%
10601             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10602             \hss
10603         }%
10604     \fi
10605     }%
10606 }%
10607 %%
10608 %% finalize cuted page
10609 %%
10610 \ifvoid\hold@viper
10611     \global\setbox\hold@viper\vbox{%
10612         \unvbox\cuted@@tempbox@var
10613         \penalty\interlinepenalty
10614         \vskip\stripsep
10615         \the\preCutedStrip
10616         \ifnum\outputpenalty<-\@Mii
10617             \vskip -\parskip
10618         \fi
10619         \outputpenalty\z@
10620     }%
10621 \else
10622     \global\setbox\hold@viper\vbox{%
10623         \unvbox\hold@viper
10624         \cuted@@tempbox@var
10625         \penalty\interlinepenalty
10626         \vskip\stripsep
10627         \the\preCutedStrip
10628         \ifnum\outputpenalty<-\@Mii
10629             \vskip -\parskip
10630         \fi

```



```

10631         \outputpenalty\z@
10632     }%
10633 \fi
10634 \ifdim\@colht>\@reqcolroom
10635     \global\setbox\hold@viper\vbox{%
10636         \unvbox\hold@viper
10637         \box\@viper
10638         \penalty\interlinepenalty
10639         \the\postCutedStrip
10640         \vskip\stripsep
10641         \ifnum\outputpenalty<-\@Mii
10642             \vskip -\parskip
10643         \fi
10644         \outputpenalty\z@
10645     }%
10646 \@inserttrue
10647 \global\@firstcolumntrue
10648 \advance\ht@hold@viper by-\ht\hold@viper
10649 \global\advance\@colht by\ht@hold@viper
10650 \ifdim\@colht<2.5\baselineskip
10651     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
10652                             too tall on page \thepage (\var@@thecol@num column)}%
10653     \@emptycol
10654     \if@firstcolumn
10655     \else
10656         \@emptycol
10657     \fi
10658     \global\@lastvipertrue
10659 \else
10660     \global\vsizel\@colht
10661     \global\@colroom\@colht
10662     \check@floats\cuted@@tempdim@a
10663     \ifdim\cuted@@tempdim@a>\z@
10664         \global\advance\@colroom by-\cuted@@tempdim@a
10665     \fi
10666     \ifdim\@colroom<\z@
10667         \global\@colroom\p@
10668         \ifdim\cuted@@tempdim@a>\@colht
10669             \@latex@warning@no@line{TOP and/or BOT FLOAT's
10670                                     to large on \thepage (\var@@thecol@num column)}%
10671         \fi
10672         \@emptycol
10673         \if@firstcolumn
10674         \else
10675             \@emptycol
10676         \fi
10677         \global\@lastvipertrue
10678     \fi
10679 \fi
10680 \fi
10681 \if@insert
10682 \else
10683     \advance\ht@hold@viper by-\ht\hold@viper
10684     \global\advance\@colht by\ht@hold@viper

```



```

10685     \global\setbox\hold@viper\vbox{%
10686         \unvbox\hold@viper
10687         \set@split@topskip@to{\z@ plus2\p@}%
10688         \vsplit\@viper to\@colht
10689         \vss
10690     }%
10691     \vbox{%
10692     \global\@firstcolumnfalse
10693     \newpage
10694     \fi
10695     }

```

76 File cvthemebidicasual.sty

```

10696 \NeedsTeXFormat{LaTeX2e}
10697 \ProvidesPackage{cvthemebidicasual}
10698 \DeclareOption{blue}{}
10699 \newif\if@colourorange\@colourorangefalse
10700 \DeclareOption{orange}{\@colourorange>true}
10701 \newif\if@colourgreen\@colourgreenfalse
10702 \DeclareOption{green}{\@colourgreentruer}
10703 \newif\if@coloured\@colouredfalse
10704 \DeclareOption{red}{\@colouredtrue}
10705 \newif\if@colourgrey\@colourgreyfalse
10706 \DeclareOption{grey}{\@colourgreytrue}
10707 \DeclareOption*{
10708   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
10709 \ExecuteOptions{colour}
10710 \ProcessOptions\relax
10711 \renewcommand*\listitemsymbol{\textbullet}
10712 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10713 \familynamecolour{808080}
10714 \firstnamecolour{A9A9A9}
10715 \quotecolour{696969}
10716 \addresscolour{696969}
10717 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10718 \sectiontitlecolour{1E90FF}
10719 \subsectioncolour{4682B4}
10720 \definecolor{rulecolour}{gray}{0.6}
10721 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10722 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10723 \if@colourorange
10724   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10725   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10726   \sectiontitlecolour{FF8C00}
10727   \subsectioncolour{FF8C00}
10728   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
10729   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10730 \if@colourgreen
10731   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10732   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10733   \sectiontitlecolour{008000}
10734   \subsectioncolour{008000}
10735   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}

```




```

10736 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10737 \if@coloured
10738 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10739 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10740 \sectiontitlecolour{FF0000}
10741 \subsectioncolour{FF0000}
10742 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
10743 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10744 \if@colourgrey
10745 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10746 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10747 \sectiontitlecolour{808080}
10748 \subsectioncolour{808080}
10749 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10750 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10751 \renewcommand*{\ttdefault}{pcr}
10752 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
10753 \renewcommand*{\familynamefont}{\firstnamefont}
10754 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10755 \renewcommand*{\quoteont}{\large\slshape}
10756 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10757 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10758 \renewcommand*{\maketitle}{%
10759   {%
10760     \ifthenelse{\isundefined{\@photo}}{%
10761       {}%
10762       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}}%
10763     \hfill%
10764     \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}
10765     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
10766     \ifthenelse{\isundefined{\@quote}}{%
10767       {}%
10768       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
10769     }%
10770 \newif\if@firstfooterelement\@firstfooterelementtrue
10771 \providecommand*{\footersymbol}{%
10772 \renewcommand*{\footersymbol}{%
10773   \if@firstfooterelement%
10774   \else%
10775     { ~-\color{footersymbolcolor}\textbullet~~}\fi}
10776 \providecommand*{\makefooter}{%
10777 \renewcommand*{\makefooter}{%
10778   \fancypagestyle{plain}{%
10779     \fancyfoot[c]{%
10780       \parbox{0.8\textwidth}{%
10781         \centering%
10782         \addressfont\@addresscolour%
10783         \ifthenelse{\isundefined{\@address}}{~}{%
10784           \addresssymbol~\@address\}
10785         \@firstfooterelementfalse}%
10786         \ifthenelse{\isundefined{\@mobile}}{~}{\mobilesymbol~\@mobile\@firstfooterelementfalse}
10787         \ifthenelse{\isundefined{\@phone}}{~}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}
10788         \ifthenelse{\isundefined{\@fax}}{~}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
10789         \ifthenelse{\isundefined{\@email}}{~}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}

```



```

10790     \ifthenelse{\isundefined{\@extrainfo}}{\footersymbol\@extrainfo\@firstfooterelementf
10791   }%
10792   \pagestyle{plain}}
10793 \AtBeginDocument{\makefooter}

```

77 File cvthemebidiclassic.sty

```

10794 \NeedsTeXFormat{LaTeX2e}
10795 \ProvidesPackage{cvthemebidiclassic}
10796 \DeclareOption{blue}{}
10797 \newif\if@colourorange\@colourorangefalse
10798 \DeclareOption{orange}{\@colourorangetrue}
10799 \newif\if@colourgreen\@colourgreenfalse
10800 \DeclareOption{green}{\@colourgreentrue}
10801 \newif\if@coloured\@colouredfalse
10802 \DeclareOption{red}{\@colouredtrue}
10803 \newif\if@colourgrey\@colourgreyfalse
10804 \DeclareOption{grey}{\@colourgreytrue}
10805 \DeclareOption*{
10806   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
10807 \ExecuteOptions{colour}
10808 \ProcessOptions\relax
10809 \renewcommand*{\listitemsymbol}{\textbullet}
10810 \firstnamecolour{}
10811 \familynamecolour{}
10812 \titlecolour{808080}
10813 \quotecolour{696969}
10814 \addresscolour{696969}
10815 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10816 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10817 \sectiontitlecolour{1E90FF}
10818 \subsectioncolour{4682B4}
10819 \if@colourorange
10820   \addresscolour{FF8C00}
10821   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10822   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10823   \sectiontitlecolour{FF8C00}
10824   \subsectioncolour{FF8C00}\fi
10825 \if@colourgreen
10826   \addresscolour{008000}
10827   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10828   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10829   \sectiontitlecolour{008000}
10830   \subsectioncolour{008000}\fi
10831 \if@coloured
10832   \addresscolour{FF0000}
10833   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10834   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10835   \sectiontitlecolour{FF0000}
10836   \subsectioncolour{FF0000}\fi
10837 \if@colourgrey
10838   \addresscolour{808080}
10839   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10840   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}

```



```

10841 \sectiontitlecolour{808080}
10842 \subsectioncolour{808080}\fi
10843 \renewcommand*\ttdefault}{pcr}
10844 \renewcommand*\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10845 \renewcommand*\titlefont}{\LARGE\mdseries\slshape}
10846 \renewcommand*\addressfont}{\normalsize\mdseries\slshape}
10847 \renewcommand*\familynamefont}{\firstnamefont}
10848 \renewcommand*\quotefont}{\large\slshape}
10849 \renewcommand*\sectionfont}{\Large\mdseries\upshape}
10850 \renewcommand*\subsectionfont}{\large\mdseries\upshape}
10851 \newlength{\maketitlenamemaxwidth}
10852 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
10853 \newlength{\maketitlenamefullwidth}
10854 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
10855 \newlength{\maketitlenamewidth}
10856 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}
10857 \newlength{\maketitlepicturewidth}
10858 \setlength{\maketitlepicturewidth}{\@photowidth}
10859 \newlength{\maketitledetailwidth}
10860 \renewcommand*\recomputethemelengths}{%
10861 \setlength{\maketitledetailwidth}{\textwidth}%
10862 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
10863 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
10864 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
10865 \recomputethemelengths
10866 \newif\if@firstdetailselement\@firstdetailselementtrue
10867 \newcommand*\maketitledetailsnewline}{
10868 \if@firstdetailselement%
10869 \@firstdetailselementfalse%
10870 \else%
10871 \ [.2em]\fi}
10872 \renewcommand*\maketitle}{%
10873 % name and title
10874 \begin{minipage}[b]{\maketitlenamewidth}%
10875 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
10876 \ifthenelse{equal{\@title}{}}{\ \ [1.25em]\titlestyle{\@title}}%
10877 \end{minipage}%
10878 % optional data
10879 \begin{minipage}[b]{\maketitledetailwidth}%
10880 \bidi@raggedleft\addressfont\addresscolour%
10881 \ifthenelse{\isundefined{\@address}}{\}%
10882 \maketitledetailsnewline%
10883 \addresssymbol~\@\@address}%
10884 \ifthenelse{\isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
10885 \ifthenelse{\isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
10886 \ifthenelse{\isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
10887 \ifthenelse{\isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emailink{\@email}}%
10888 \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
10889 \end{minipage}%
10890 % optional photo
10891 \ifthenelse{\isundefined{\@photo}}{\}%
10892 {}%
10893 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
10894 % optional quote

```



```

10895 \ifthenelse{\isundefined{\@quote}}{%
10896   }{%
10897   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
10898   }

```

78 File dblfnote-xetex-bidi.def

```

10899 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
10900 \let\autofooterule\relax
10901 \let\rightfootnoterule\relax
10902 \let\leftfootnoterule\relax
10903 \let\textwidthfootnoterule\relax
10904 \let\LRfootnoterule\relax
10905 \def\footnoterule{\kern-3\p@
10906   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10907 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
10908 \let\@footnotetext\dfn@footnotetext}
10909 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
10910   \let\insert\dfn@gobble
10911   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10912   \def\@makefnmark{\smash{\dfn@makefnmark}}
10913   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10914   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10915   \ifdim\dfn@dima>\z@else
10916     \dfn@dima1sp\relax
10917     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10918   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10919     \ifvoid\dfn@ins\else
10920       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10921     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10922   \setbox\dfn@boxa\copy\dfn@ins
10923   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10924   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10925   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10926   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10927   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10928 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
10929 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10930 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
10931   \let\insert\dfn@gobble
10932   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10933   \def\@makefnmark{\smash{\dfn@makefnmark}}
10934   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10935   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10936   \ifdim\dfn@dima>\z@else
10937     \dfn@dima1sp\relax
10938     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10939   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10940     \ifvoid\dfn@ins\else
10941       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10942     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10943   \setbox\dfn@boxa\copy\dfn@ins
10944   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10945   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima

```



```

10946     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10947     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10948     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10949 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10950 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10951 \def\dfn@RTLmakecol{{\ifvoid\footins\else
10952     \dfn@dima\ht\footins
10953     \@tempcnta\z@ \dfn@countins
10954     \@tempdima\z@ \let\@elt\dfn@elt@getht
10955     \dfn@list\@nil
10956     \ifdim\@tempdima=\z@\else
10957     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10958     \global\setbox\dfn@ins\box\dfn@ins
10959     \@tempswatrue
10960     \ifdfn@trysingle
10961         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10962         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10963         \advance\@tempdima-\skip\footins
10964         \advance\@tempdima-\ht\dfn@boxa
10965         \ifdim\@tempdima<\z@\else \@tempswafalse
10966             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10967                 \footnoterule \unvbox\dfn@boxa}\fi\fi
10968     \if@tempswa
10969     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10970     \global\setbox\footins\vbox{\hbox{%
10971         \hskip \DFNcolumnwidth
10972         \hskip\DFNcolumnsep
10973         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10974             \unvbox\dfn@boxb\vss}\hss}
10975         \hskip -\textwidth
10976         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10977             \vbox to\@tempdima{
10978                 \setbox\@tempboxa\vbox{\footnoterule}
10979                 \ifdfn@ruleboth \unvbox\@tempboxa
10980                 \else \@tempdima\ht\@tempboxa
10981                     \advance\@tempdima\dp\@tempboxa
10982                     \vskip\@tempdima
10983                     \prevdepth\dp\@tempboxa \fi
10984                 \unvbox\dfn@boxa\vss}\fi\hss}
10985                 \hskip \DFNcolumnsep
10986                 \hskip \DFNcolumnwidth}}}\fi\fi
10987     \global\dfn@fnht\z@
10988     \ifx\dfn@list\@empty\else
10989         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10990         \dfn@list \global\advance\dfn@fnht\dfn@dimb
10991         \let\@elt\relax
10992         \ifdim\dfn@dimb>\z@
10993             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10994             \insert\footins{\floatingpenalty\@MM
10995                 \vbox to\dfn@dimb{}}\fi
10996         \ifdim\dfn@fnht>\@tempdima
10997             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10998             \global\dfn@fnht\@tempdima
10999             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%

```



```

11000             \xdef\dfn@afteroutput{\insert\footins{
11001                 \floatingpenalty\@MM
11002                 \vbox to\number\@tempdimb sp{}}}%
11003             \global\let\noexpand\dfn@afteroutput\relax}%
11004         \fi\fi
11005     \fi}%
11006     \let\footnoterule\relax \dfn@latex@makecol
11007     \let\footnoterule\dfn@footnoterule}
11008 \def\dfn@LTRmakecol{{\ifvoid\footins\else
11009     \dfn@dima\ht\footins
11010     \@tempcnta\z@ \dfn@countins
11011     \@tempdima\z@ \let\@elt\dfn@elt@getht
11012     \dfn@list\@nil
11013     \ifdim\@tempdima=\z@\else
11014     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
11015     \global\setbox\dfn@ins\box\dfn@ins
11016     \@tempswatrue
11017     \ifdfn@trysingle
11018         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
11019         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
11020         \advance\@tempdima-\skip\footins
11021         \advance\@tempdima-\ht\dfn@boxa
11022         \ifdim\@tempdima<\z@\else \@tempswafalse
11023             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
11024                 \footnoterule \unvbox\dfn@boxa}\fi\fi
11025     \if@tempswa
11026     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
11027     \global\setbox\footins\vbox{\hbox{%
11028         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
11029             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
11030         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
11031             \vbox to\@tempdima{
11032                 \setbox\@tempboxa\vbox{\footnoterule}
11033                 \ifdfn@ruleboth \unvbox\@tempboxa
11034                 \else \@tempdima\ht\@tempboxa
11035                     \advance\@tempdima\dp\@tempboxa
11036                     \vskip\@tempdima
11037                     \prevdepth\dp\@tempboxa \fi
11038                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
11039     \global\dfn@fnht\z@
11040     \ifx\dfn@list\@empty\else
11041         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
11042         \dfn@list \global\advance\dfn@fnht\dfn@dimb
11043         \let\@elt\relax
11044         \ifdim\dfn@dimb>\z@
11045             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
11046             \insert\footins{\floatingpenalty\@MM
11047                 \vbox to\dfn@dimb{}}\fi
11048         \ifdim\dfn@fnht>\@tempdima
11049             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
11050             \global\dfn@fnht\@tempdima
11051             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
11052             \xdef\dfn@afteroutput{\insert\footins{
11053                 \floatingpenalty\@MM

```



```

11054             \vbox to\number\@tempdimb sp{}}%
11055             \global\let\noexpand\dfn@afteroutput\relax}%
11056             \fi\fi
11057             \fi}%
11058             \let\footnoterule\relax \dfn@latex@makecol
11059             \let\footnoterule\dfn@footnoterule}
11060 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
11061 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
11062 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
11063 \DFNalwaysdouble

```

79 File diagbox-xetex-bidi.def

```

11064 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package f
11065 \bidi@patchcmd{\diagbox@double}{%
11066   \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
11067 }{\bidi@@diagbox@double@ii}{-}{-}
11068 \bidi@patchcmd{\diagbox@double}{%
11069   \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
11070 }{\bidi@@diagbox@double@iii}{-}{-}
11071 \newcommand*{\bidi@@diagbox@double@ii}{%
11072   \if@RTL
11073     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}
11074   \else
11075     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
11076   \fi
11077 }
11078 \newcommand*{\bidi@@diagbox@double@iii}{%
11079   \if@RTL
11080     \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
11081   \else
11082     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
11083   \fi
11084 }
11085 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11086   \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
11087 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
11088 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11089   \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
11090 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
11091 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11092   \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
11093 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
11094 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
11095   \if@RTL
11096     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}
11097   \else
11098     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
11099   \fi
11100 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
11101   \if@RTL
11102     \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
11103   \else
11104     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}

```



```

11105 \fi}
11106 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
11107 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11108   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
11109 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
11110 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11111   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11112 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11113 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11114   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11115 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11116 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
11117   \ifRTL
11118     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}}
11119   \else
11120     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
11121   \fi
11122 }
11123 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
11124   \ifRTL
11125     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
11126   \else
11127     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}
11128   \fi
11129 }
11130 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
11131 \bidi@patchcmd{\diagbox@double@pict@SE}{%
11132   \diagbox@setlinecolor
11133   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
11134 }{%
11135   {\diagbox@setlinecolor
11136   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}}%
11137 }{-}{-}
11138 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
11139 \bidi@patchcmd{\diagbox@double@pict@NE}{%
11140   \diagbox@setlinecolor
11141   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
11142 }{%
11143   {\diagbox@setlinecolor
11144   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}}%
11145 }{-}{-}
11146 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
11147 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
11148   \diagbox@setlinecolor
11149   \Line(0,\yym)(\x,0)
11150   \Line(\xm,\y)(\x,0)%
11151 }{%
11152   {\diagbox@setlinecolor
11153   \Line(0,\yym)(\x,0)
11154   \Line(\xm,\y)(\x,0)}}%
11155 }{-}{-}
11156 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
11157   \diagbox@setlinecolor
11158   \Line(0,0)(\xxm,\y)

```




```

11159 \Line(0,0)(\x,\ym)%
11160 }{%
11161 {\diagbox@setlinecolor
11162 \Line(0,0)(\xxm,\y)
11163 \Line(0,0)(\x,\ym)}%
11164 }{}{}
11165 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
11166 \diagbox@setlinecolor
11167 \Line(0,\ym)(\x,\y)
11168 \Line(\xm,0)(\x,\y)}%
11169 }{%
11170 {\diagbox@setlinecolor
11171 \Line(0,\ym)(\x,\y)
11172 \Line(\xm,0)(\x,\y)}%
11173 }{}{}
11174 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
11175 \diagbox@setlinecolor
11176 \Line(0,\y)(\xxm,0)
11177 \Line(0,\y)(\x,\ym)}%
11178 }{%
11179 {\diagbox@setlinecolor
11180 \Line(0,\y)(\xxm,0)
11181 \Line(0,\y)(\x,\ym)}%
11182 }{}{}

```

80 File draftwatermark-xetex-bidi.def

```

11183 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
11184 \renewcommand\SetWatermarkText[1]{%
11185 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

81 File eso-pic-xetex-bidi.def

```

11186 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
11187 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
11188 \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}
11189
11190 \ESO@isMEMOIR{%
11191 \renewcommand\AtTextUpperLeft[1]{%
11192 \begingroup
11193 \ifodd\c@page
11194 \if@RTLmain
11195 \ESO@tempdima=\paperwidth
11196 \advance\ESO@tempdima-\textwidth
11197 \advance\ESO@tempdima-\spinemargin
11198 \else
11199 \ESO@tempdima=\spinemargin
11200 \fi
11201 \else
11202 \if@RTLmain
11203 \ESO@tempdima=\spinemargin
11204 \else
11205 \ESO@tempdima=\paperwidth
11206 \advance\ESO@tempdima-\textwidth

```



```

11207         \advance\ESO@tempdima-\spinemargin
11208         \fi
11209     \fi
11210     \ESO@tempdimb=-\uppermargin
11211     \AtPageUpperLeft{%
11212         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11213     }%
11214 \endgroup
11215 }
11216 }{%
11217 \renewcommand\AtTextUpperLeft[1]{%
11218 \begingroup
11219 \ESO@tempdima=1in\relax
11220 \if@twoside
11221     \ifodd\c@page
11222         \if@RTLmain
11223             \advance\ESO@tempdima\evensidemargin
11224         \else
11225             \advance\ESO@tempdima\oddsidemargin
11226         \fi
11227     \else
11228         \if@RTLmain
11229             \advance\ESO@tempdima\oddsidemargin
11230         \else
11231             \advance\ESO@tempdima\evensidemargin
11232         \fi
11233     \fi
11234 \else
11235     \advance\ESO@tempdima\oddsidemargin
11236 \fi
11237 \ESO@tempdimb=-1in\relax
11238 \advance\ESO@tempdimb-\topmargin
11239 \advance\ESO@tempdimb-\headheight
11240 \advance\ESO@tempdimb-\headsep
11241 \AtPageUpperLeft{%
11242     \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11243 }%
11244 \endgroup
11245 }
11246 }

```

82 File empheq-xetex-bidi.def

```

11247 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
11248 \MHInternalSyntaxOn
11249 \def\EQ_tag_plus_endmark:{%
11250 \iftagsleft@
11251     \gdef\maketag@@@##1{%
11252         \hfuzz\displaywidth
11253         \if@RTL\makebox[\widthof{##1}][r]{%
11254             \hbox to \displaywidth{\m@th\normalfont##1\hss
11255                 \raisebox{-\dp\EQ_mathdisplay_box
11256                     -\depthof{\EQ_outerbox:}}{
11257                     {\PotEndMark{\hss}}}}

```



```

11258     \else\makebox[\widthof{##1}] [l]{%
11259       \hbox to \displaywidth{\m@th\normalfont##1\hss
11260         \raisebox{-\dp\EQ_mathdisplay_box
11261           -\depthof{\EQ_outerbox: {}}}{
11262           {\PotEndMark{\hss}}}\fi}%
11263 \MH_else:
11264   \gdef\maketag@@@##1{%
11265     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
11266       \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
11267       \MH_addtolength:dn \@tempdima
11268         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
11269       \setlength{\@tempdimb}
11270         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox: {}}
11271         +\depthof{\EQ_innerbox: {}}}
11272       \MH_if_dim:w \@tempdima>\@tempdimb
11273       \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
11274         -\@tempdima+\g_EQ_bottomrow_depth_dim}
11275       \addtolength{\@tempdima}{\depthof{\EQ_innerbox: {}}}%
11276       \def\EQ_next:{\raisebox{\@tempdima}}}%
11277     \MH_else:
11278     \def\EQ_next:{
11279       \raisebox{-\dp\EQ_mathdisplay_box
11280         -\depthof{\EQ_outerbox: {}}}%
11281     \MH_fi:\EQ_next:}}}%
11282 \MH_fi:}
11283 \def\EQ_post_process:{%
11284   \EQ_initialize:
11285   \EQ_begin_equation:
11286   \MH_if_boolean:nT {outer_mult}{
11287     \setkeys{\MT_options_name:}{
11288       firstline-afterskip=Opt,
11289       lastline-preskip=Opt,
11290       multlined-width=Opt,
11291     }
11292     \ifodd \l_EQ_alignmentmode_int
11293     \setkeys{\MT_options_name:}{multlined-pos=b}
11294   \MH_else:
11295     \setkeys{\MT_options_name:}{multlined-pos=t}
11296   \MH_fi:
11297   \g@addto@macro\EQ_complete_mathdisplay:{
11298     \begin{MTmultlined}\relax
11299   }
11300   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11301   \MH_if_boolean:nT {outer_mult}{
11302     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
11303   }
11304   \EQ_end_equation:
11305   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11306   \savecounters@
11307   \EQ_typeset_tags:
11308   \edef\l_EQ_equation_fint{\number\c@equation}
11309   \restorecounters@
11310   \Hy@linkcounter=\EQ_hyperref_link_fint
11311   \settowidth\l_EQ_totalwidth_dim{%

```



```

11312   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
11313   \MH_if_boolean:nTF {outer_mult}
11314     { \def\EQ_next:{_mult} }
11315     { \def\EQ_next:{} }
11316   \@nameuse{EQ_modify_linewidth_
11317     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11318   \EQ_typeset_display:
11319   \@nameuse{EQ_find_displaywidth_
11320     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11321   \MH_addtolength:dn
11322     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11323   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11324     $\EQ_left_side:
11325     \EQ_innerbox:{%
11326       \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11327         \makebox[\l_EQ_displaywidth_dim][c]
11328           {\usebox{\EQ_mathdisplay_box}}}%
11329       \MH_or:
11330         \makebox[\l_EQ_displaywidth_dim][c]
11331           {\usebox{\EQ_mathdisplay_box}}}%
11332       \MH_or:
11333         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11334           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11335             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11336               \kern-\@mathmargin
11337             \MH_fi:
11338           \MH_fi:
11339           \usebox{\EQ_mathdisplay_box}}}%
11340         \else\makebox[\l_EQ_displaywidth_dim][l]{%
11341           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11342             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11343               \kern-\@mathmargin
11344             \MH_fi:
11345           \MH_fi:
11346           \usebox{\EQ_mathdisplay_box}}\fi%
11347       \MH_or:
11348         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11349           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11350             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11351               \kern-\@mathmargin
11352             \MH_fi:
11353           \MH_fi:
11354           \usebox{\EQ_mathdisplay_box}}
11355         \else\makebox[\l_EQ_displaywidth_dim][l]{%
11356           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11357             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11358               \kern-\@mathmargin
11359             \MH_fi:
11360           \MH_fi:
11361           \usebox{\EQ_mathdisplay_box}}\fi%
11362       \MH_fi:}%
11363     \EQ_right_side:$}%
11364   \begin{AmSequation*}
11365   \@nameuse{EQ_place_display_

```



```

11366         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11367 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11368 \MH_set_boolean_T:n {show_manual_tags}
11369 \MH_if_case:w \l_EQ_alignmentmode_int
11370 \MH_or: \ifRTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
11371 \MH_or: \ifRTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
11372 \MH_or: \ifRTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
11373 \MH_or: \ifRTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
11374 \MH_fi:
11375 \MH_fi:
11376 \end{AmSequation*}
11377 \global\c@equation=\l_EQ_equation_fint\relax
11378 }
11379 \AtBeginDocument{%
11380 \@ifpackageloaded{fancybox}{%
11381 \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11382 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11383 \renewcommand*\shadowbox{%
11384 \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
11385 \VerbBox\EQ_shadowbox:n
11386 {\MH_set_boolean_F:n {shadowbox_star}
11387 \VerbBox\EQ_shadowbox:n}}
11388 \def\EQ_shadowbox:n #1{%
11389 \sbox{\z@}{\fbox{#1}}%
11390 \MH_if_boolean:nTF {shadowbox_star}{
11391 \MH_setlength:dn \@tempdima{\z@}%
11392 }{
11393 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
11394 }
11395 \raisebox{\@tempdima}{%
11396 \ifRTL\makebox[\z@][r]{%
11397 \kern\shadowsize \textcolor{shadowcolor}{%
11398 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11399 }%
11400 \else\makebox[\z@][l]{%
11401 \kern\shadowsize \textcolor{shadowcolor}{%
11402 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11403 }\fi%
11404 \usebox\z@\textcolor{shadowcolor}{%
11405 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
11406 }{}}%
11407 }
11408 \MHInternalSyntaxOff

```

83 File extarticle-xetex-bidi.def

```

11409 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cla
11410 \renewcommand*\l@section[2]{%
11411 \ifnum \c@tocdepth >\z@
11412 \addpenalty\@secpenalty
11413 \addvspace{1.0em \@plus\p@}%
11414 \setlength\@tempdima{1.5em}%
11415 \begingroup
11416 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

11417     \parfillskip -\@pnumwidth
11418     \leavevmode \bfseries
11419     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
11420     \hskip -\if@RTL\rightskip\else\leftskip\fi
11421     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11422   \endgroup
11423 \fi}
11424 \renewcommand*\l@part[2]{%
11425 \ifnum \c@tocdepth >-2\relax
11426   \addpenalty\@secpenalty
11427   \addvspace{2.25em \@plus\p@}%
11428   \begingroup
11429     \setlength\@tempdima{3em}%
11430     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11431     \parfillskip -\@pnumwidth
11432     {\leavevmode
11433       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11434     \nobreak
11435   \endgroup
11436 \fi}
11437 \def\@part[#1]#2{%
11438   \ifnum \c@secnumdepth >\m@ne
11439     \refstepcounter{part}%
11440     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
11441   \else
11442     \addcontentsline{toc}{part}{#1}%
11443   \fi
11444   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11445   \interlinepenalty \@M
11446   \normalfont
11447   \ifnum \c@secnumdepth >\m@ne
11448     \Large\bfseries \partname-\thepart
11449     \par\nobreak
11450   \fi
11451   \huge \bfseries #2%
11452   \markboth{}{\par}%
11453   \nobreak
11454   \vskip 3ex
11455   \@afterheading}
11456 \def\@spart#1{%
11457   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11458   \interlinepenalty \@M
11459   \normalfont
11460   \huge \bfseries #1\par}%
11461   \nobreak
11462   \vskip 3ex
11463   \@afterheading}
11464 \renewenvironment{thebibliography}[1]
11465   {\section*{\refname
11466     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11467     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11468     \bidi@thebibliography@font@hook%
11469     \list{\@biblabel{\@arabic\c@enumiv}}%
11470     {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

11471         \leftmargin\labelwidth
11472         \advance\leftmargin\labelsep
11473         \@openbib@code
11474         \usecounter{enumiv}%
11475         \let\p@enumiv\@empty
11476         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11477     \sloppy\clubpenalty4000\widowpenalty4000%
11478     \sfcode`.\@m}
11479     {\def\@noitemerr
11480     {\@latex@warning{Empty `thebibliography' environment}}}%
11481     \endlist}
11482 \renewcommand\left@footnoterule{%
11483     \kern-3\p@
11484     \hrule\@width.4\columnwidth
11485     \kern2.6\p@}
11486 \renewcommand\right@footnoterule{%
11487     \kern-3\p@
11488     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11489     \kern2.6\p@}
11490     \if@titlepage
11491     \renewcommand\maketitle{\begin{titlepage}%
11492     \let\footnotesize\small
11493     \let\right@footnoterule\relax
11494     \let\left@footnoterule\relax
11495     \let\textwidth@footnoterule\relax
11496     \let \footnote \thanks
11497     \null\vfil
11498     \vskip 60\p@
11499     \begin{center}%
11500     {\LARGE \@title \par}%
11501     \vskip 3em%
11502     {\large
11503     \lineskip .75em%
11504     \begin{tabular}[t]{c}%
11505     \@author
11506     \end{tabular}\par}%
11507     \vskip 1.5em%
11508     {\large \@date \par}%           % Set date in \large size.
11509     \end{center}\par
11510     \@thanks
11511     \vfil\null
11512     \end{titlepage}%
11513     \setcounter{footnote}{0}%
11514     \global\let\thanks\relax
11515     \global\let\maketitle\relax
11516     \global\let\@thanks\@empty
11517     \global\let\@author\@empty
11518     \global\let\@date\@empty
11519     \global\let\@title\@empty
11520     \global\let\title\relax
11521     \global\let\author\relax
11522     \global\let\date\relax
11523     \global\let\and\relax
11524 }

```



```

11525 \else
11526 \renewcommand\maketitle{\par
11527   \begingroup
11528     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11529     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11530     \long\def\@makefntext##1{\parindent 1em\noindent
11531       \hb@xt@1.8em{%
11532         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11533     \if@twocolumn
11534       \ifnum \col@number=\@ne
11535         \@maketitle
11536       \else
11537         \twocolumn[\@maketitle]%
11538       \fi
11539     \else
11540       \newpage
11541       \global\@topnum\z@ % Prevents figures from going at top of page.
11542       \@maketitle
11543     \fi
11544     \thispagestyle{plain}\@thanks
11545   \endgroup
11546   \setcounter{footnote}{0}%
11547   \global\let\thanks\relax
11548   \global\let\maketitle\relax
11549   \global\let\@maketitle\relax
11550   \global\let\@thanks\@empty
11551   \global\let\@author\@empty
11552   \global\let\@date\@empty
11553   \global\let\@title\@empty
11554   \global\let\title\relax
11555   \global\let\author\relax
11556   \global\let\date\relax
11557   \global\let\and\relax
11558 }
11559 \def\@maketitle{%
11560   \newpage
11561   \null
11562   \vskip 2em%
11563   \begin{center}%
11564     \let \footnote \thanks
11565     {\LARGE \@title \par}%
11566     \vskip 1.5em%
11567     {\large
11568       \lineskip .5em%
11569       \begin{tabular}[t]{c}%
11570         \@author
11571       \end{tabular}\par}%
11572     \vskip 1em%
11573     {\large \@date}%
11574   \end{center}%
11575   \par
11576   \vskip 1.5em}
11577 \fi
11578 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```




```

11579 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11580 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11581 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

84 File extbook-xetex-bidi.def

```

11582 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
11583 \if@titlepage
11584 \renewcommand\maketitle{\begin{titlepage}%
11585 \let\footnotesize\small
11586 \let\right@footnoterule\relax
11587 \let\left@footnoterule\relax
11588 \let\textwidth@footnoterule\relax
11589 \let\footnote\thanks
11590 \let\LTRfootnote\LTRthanks
11591 \let\RTLfootnote\RTLthanks
11592 \null\vfil
11593 \vskip 60\p@
11594 \begin{center}%
11595 {\LARGE \@title \par}%
11596 \vskip 3em%
11597 {\large
11598 \lineskip .75em%
11599 \begin{tabular}[t]{c}%
11600 \@author
11601 \end{tabular}\par}%
11602 \vskip 1.5em%
11603 {\large \@date \par}% % Set date in \large size.
11604 \end{center}\par
11605 \@thanks
11606 \vfil\null
11607 \end{titlepage}%
11608 \setcounter{footnote}{0}%
11609 \global\let\thanks\relax
11610 \global\let\LTRthanks\relax
11611 \global\let\RTLthanks\relax
11612 \global\let\maketitle\relax
11613 \global\let\@thanks\@empty
11614 \global\let\@author\@empty
11615 \global\let\@date\@empty
11616 \global\let\@title\@empty
11617 \global\let\title\relax
11618 \global\let\author\relax
11619 \global\let\date\relax
11620 \global\let\and\relax
11621 }
11622 \else
11623 \renewcommand\maketitle{\par
11624 \begin{group
11625 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11626 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11627 \long\def\@makefntext##1{\parindent 1em\noindent
11628 \hb@xt@1.8em{%
11629 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%

```



```

11630 \if@twocolumn
11631 \ifnum \col@number=\@ne
11632 \maketitle
11633 \else
11634 \twocolumn[\maketitle]%
11635 \fi
11636 \else
11637 \newpage
11638 \global\@topnum\z@ % Prevents figures from going at top of page.
11639 \maketitle
11640 \fi
11641 \thispagestyle{plain}\@thanks
11642 \endgroup
11643 \setcounter{footnote}{0}%
11644 \global\let\thanks\relax
11645 \global\let\LTRthanks\relax
11646 \global\let\RTLthanks\relax
11647 \global\let\maketitle\relax
11648 \global\let\@maketitle\relax
11649 \global\let\@thanks\@empty
11650 \global\let\@author\@empty
11651 \global\let\@date\@empty
11652 \global\let\@title\@empty
11653 \global\let\title\relax
11654 \global\let\author\relax
11655 \global\let\date\relax
11656 \global\let\and\relax
11657 }
11658 \def\maketitle{%
11659 \newpage
11660 \null
11661 \vskip 2em%
11662 \begin{center}%
11663 \let \footnote \thanks
11664 \let \LTRfootnote \LTRthanks
11665 \let \RTLfootnote \RTLthanks
11666 {\LARGE \@title \par}%
11667 \vskip 1.5em%
11668 {\large
11669 \lineskip .5em%
11670 \begin{tabular}[t]{c}%
11671 \@author
11672 \end{tabular}\par}%
11673 \vskip 1em%
11674 {\large \@date}%
11675 \end{center}%
11676 \par
11677 \vskip 1.5em}
11678 \fi
11679 \renewcommand*\l@part[2]{%
11680 \ifnum \c@tocdepth >-2\relax
11681 \addpenalty{-\@highpenalty}%
11682 \addvspace{2.25em \@plus\p}%
11683 \begingroup

```



```

11684     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11685     \parfillskip -\@pnumwidth
11686     {\leavevmode
11687     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11688     \nobreak
11689     \global\@nobreaktrue
11690     \everypar{\global\@nobreakfalse\everypar{}}%
11691 \endgroup
11692 \fi}
11693 \renewcommand\theequation
11694   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11695 \renewcommand \thefigure
11696   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11697 \renewcommand \thetable
11698   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11699 \renewcommand \thechapter {\@arabic\c@chapter}
11700 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11701 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11702 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11703 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11704 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11705 \def\@makechapterhead#1{%
11706   \vspace*{50\p@}%
11707   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11708     \ifnum \c@secnumdepth >\m@ne
11709       \if@mainmatter
11710         \huge\bfseries \@chapapp\space \thechapter
11711         \par\nobreak
11712         \vskip 20\p@
11713       \fi
11714       \fi
11715       \interlinepenalty\@M
11716       \Huge \bfseries #1\par\nobreak
11717       \vskip 40\p@
11718     }}
11719
11720 \def\@makeschapterhead#1{%
11721   \vspace*{50\p@}%
11722   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11723     \normalfont
11724     \interlinepenalty\@M
11725     \Huge \bfseries #1\par\nobreak
11726     \vskip 40\p@
11727   }}
11728 \renewcommand\backmatter{%
11729   \if@openright
11730     \cleardoublepage
11731   \else
11732     \clearpage
11733   \fi
11734   \@mainmatterfalse}
11735 \renewenvironment{thebibliography}[1]
11736   {\chapter*{\bibname
11737     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%

```



```

11738 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
11739 \bidi@thebibliography@font@hook%
11740 \list{\@biblabel{\@arabic\c@enumiv}}%
11741     {\settoothwidth\labelwidth{\@biblabel{#1}}%
11742     \leftmargin\labelwidth
11743     \advance\leftmargin\labelsep
11744     \@openbib@code
11745     \usecounter{enumiv}%
11746     \let\p@enumiv\@empty
11747     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11748 \sloppy
11749 \clubpenalty4000
11750 \@clubpenalty \clubpenalty
11751 \widowpenalty4000%
11752 \sfcode\.\@m}
11753 {\def\@noitemerr
11754     {\@latex@warning{Empty `thebibliography' environment}}}%
11755 \endlist}

```

85 File extletter-xetex-bidi.def

```

11756 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
11757 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
11758 \thispagestyle{firstpage}%
11759     {\ifRTL\raggedright\else\raggedleft\fi\@date\par}%
11760 \else % home address
11761     \thispagestyle{empty}%
11762     {\ifRTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
11763     \fromaddress \*[2\parskip]%
11764     \@date \end{tabular}\par}%
11765 \fi
11766 \vspace{2\parskip}%
11767 {\ifRTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
11768 \vspace{2\parskip}%
11769 #1\par\nobreak}
11770 \renewcommand\closing[1]{\par\nobreak\vspace{\parskip}%
11771 \stopbreaks
11772 \noindent
11773 \ifx\@empty\fromaddress\else
11774 \hspace*\{\longindentation}\fi
11775 \parbox{\indentedwidth}{\ifRTL\raggedleft\else\raggedright\fi
11776     \ignorespaces #1\[\[6\medskipamount]}%
11777     \ifx\@empty\fromsig
11778     \fromname
11779     \else \fromsig \fi\strut}%
11780 \par}
11781 \renewcommand\left@footnoterule{%
11782 \kern-\p@
11783 \hrule \@width .4\columnwidth
11784 \kern .6\p@}
11785 \renewcommand\right@footnoterule{%
11786 \kern-\p@
11787 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11788 \kern .6\p@}

```



86 File extrafootnotefeatures-xetex-bidi.def

```
11789 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2023/08/02 v2.6 bidi extra footnote feat
11790 \newdimen\bidi@columnwidth
11791 \def\bidi@floathook{%
11792   \bidi@columnwidth\columnwidth
11793 }
11794 \newcommand*\@bidi@before@Hy@hyperfootnotes}{%
11795 \if@bidi@csundef{ifHy@hyperfootnotes}{}%
11796 \if@bidi@csundef{HLTR@LTRfootnotetext}{}%
11797 \ifHy@hyperfootnotes
11798   \let\@H@footnotetext\@footnotetext
11799   \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
11800   \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
11801   \let\@H@mpfootnotetext\@mpfootnotetext
11802   \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11803   \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11804 \fi
11805 }%
11806 }%
11807 }
11808 \newcommand*\@bidi@after@Hy@hyperfootnotes}{%
11809 \if@bidi@csundef{ifHy@hyperfootnotes}{}%
11810 \if@bidi@csundef{HLTR@LTRfootnotetext}{}%
11811 \ifHy@hyperfootnotes
11812   \let\H@footnotetext\@footnotetext
11813   \let\@footnotetext\@H@footnotetext
11814   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11815   \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
11816   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11817   \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
11818   \let\H@mpfootnotetext\@mpfootnotetext
11819   \let\@mpfootnotetext\@H@mpfootnotetext
11820   \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11821   \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
11822   \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11823   \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
11824 \fi
11825 }%
11826 }%
11827 }
11828 \let\autofooterule\relax
11829 \let\rightfooterule\relax
11830 \let\leftfooterule\relax
11831 \let\textwidthfooterule\relax
11832 \let\LRfooterule\relax
11833 \def\footerule{\kern-3\p@
11834   \hrule \@width \columnwidth \kern 2.6\p@}
11835 \newcommand{\@preamnormalfmt}{%
11836   \parindent 1em%
11837   \noindent
11838 }
11839 \newcommand{\@normalfootfmt}[1]{%
11840   \@preamnormalfmt
```



```

11841 \footfootmark
11842 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
11843 \@finalstrut\strutbox
11844 }
11845 \newcommand{\@normalRTLfootfmt}[1]{%
11846 \@preamnormalfmt
11847 \RTLfootfootmark
11848 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
11849 \@finalstrut\strutbox
11850 }
11851 \newcommand{\@normalLTRfootfmt}[1]{%
11852 \@preamnormalfmt
11853 \LTRfootfootmark
11854 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
11855 \@finalstrut\strutbox
11856 }
11857 \renewcommand{\@footnotetext}[1]{%
11858 \insert\footins{%
11859 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11860 \def\baselinestretch{\m@m@footnote@spacing}%
11861 \reset@font
11862 \foottextfont
11863 \@preamfntext
11864 \hsize\columnwidth
11865 \protected@edef\@currentlabel{%
11866 \csname p@footnote\endcsname\@thefnmark}%
11867 \color@begingroup
11868 \@normalfootfmt{#1}%
11869 \color@endgroup}%
11870 \m@mmf@prepare}
11871 \newcommand{\@bidi@bidiold@footnotetext}[1]{%
11872 \bidi@step@absolute@footnote@count
11873 \bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
11874 \insert\footins{%
11875 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11876 \def\baselinestretch{\m@m@footnote@spacing}%
11877 \reset@font
11878 \foottextfont
11879 \@preamfntext
11880 \hsize\columnwidth
11881 \protected@edef\@currentlabel{%
11882 \csname p@footnote\endcsname\@thefnmark}%
11883 \color@begingroup
11884 \@normalfootfmt{#1}%
11885 \color@endgroup}%
11886 \m@mmf@prepare
11887 }
11888 \renewcommand{\@RTLfootnotetext}[1]{%
11889 \insert\footins{%
11890 \@RTLtrue%
11891 \def\baselinestretch{\m@m@footnote@spacing}%
11892 \reset@font
11893 \RTLfoottextfont
11894 \@preamfntext

```



```

11895 \hsize\columnwidth
11896 \protected@edef\@currentlabel{%
11897   \csname p@footnote\endcsname\@thefnmark}%
11898 \color@begingroup
11899   \@normalRTLfootfmt{#1}%
11900 \color@endgroup}%
11901   \m@mmf@prepare}
11902 \newcommand{\bidi@bidiold@RTLfootnotetext}[1]{%
11903   \bidi@step@absolute@footnote@count
11904   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11905   \insert\footins{%
11906     \@RTLtrue%
11907     \def\baselinestretch{\m@m@footnote@spacing}%
11908     \reset@font
11909     \RTLfoottextfont
11910     \@preamftext
11911     \hsize\columnwidth
11912     \protected@edef\@currentlabel{%
11913       \csname p@footnote\endcsname\@thefnmark}%
11914     \color@begingroup
11915     \@normalRTLfootfmt{#1}%
11916     \color@endgroup}%
11917     \m@mmf@prepare
11918 }
11919 \renewcommand{\@LTRfootnotetext}[1]{%
11920   \insert\footins{%
11921     \@RTLfalse%
11922     \def\baselinestretch{\m@m@footnote@spacing}%
11923     \reset@font
11924     \LTRfoottextfont
11925     \@preamftext
11926     \hsize\columnwidth
11927     \protected@edef\@currentlabel{%
11928       \csname p@footnote\endcsname\@thefnmark}%
11929     \color@begingroup
11930     \@normalLTRfootfmt{#1}%
11931     \color@endgroup}%
11932     \m@mmf@prepare}
11933 \renewcommand{\@mpfootnotetext}[1]{%
11934   \global\setbox\@mpfootins\vbox{%
11935     \unvbox\@mpfootins
11936     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
11937     \def\baselinestretch{\m@m@footnote@spacing}%
11938     \reset@font%
11939     \foottextfont \hsize\columnwidth \@parboxrestore
11940     \protected@edef\@currentlabel{%
11941       \csname p@mpfootnote\endcsname\@thefnmark}%
11942     \color@begingroup
11943     \@normalfootfmt{#1}%
11944     \color@endgroup}}
11945 \newcommand{\bidi@bidiold@mpfootnotetext}[1]{%
11946   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
11947   \global\setbox\@mpfootins\vbox{%
11948     \unvbox\@mpfootins

```



```

11949 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11950 \def\baselinestretch{\m@m@footnote@spacing}%
11951 \reset@font%
11952 \foottextfont \hsize\columnwidth \@parboxrestore
11953 \protected@edef\@currentlabel{%
11954 \csname p@mpfootnote\endcsname\@thefnmark}%
11955 \color@begingroup
11956 \@normalfootfmt{#1}%
11957 \color@endgroup}}
11958 \renewcommand{\@mpLTRfootnotetext}[1]{%
11959 \global\setbox\@mpfootins\vbox{%
11960 \unvbox\@mpfootins
11961 \@RTLfalse
11962 \def\baselinestretch{\m@m@footnote@spacing}%
11963 \reset@font%
11964 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
11965 \protected@edef\@currentlabel{%
11966 \csname p@mpfootnote\endcsname\@thefnmark}%
11967 \color@begingroup
11968 \@normalLTRfootfmt{#1}%
11969 \color@endgroup}}
11970 \renewcommand{\@mpRTLfootnotetext}[1]{%
11971 \global\setbox\@mpfootins\vbox{%
11972 \unvbox\@mpfootins
11973 \@RTLtrue
11974 \def\baselinestretch{\m@m@footnote@spacing}%
11975 \reset@font%
11976 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11977 \protected@edef\@currentlabel{%
11978 \csname p@mpfootnote\endcsname\@thefnmark}%
11979 \color@begingroup
11980 \@normalRTLfootfmt{#1}%
11981 \color@endgroup}}
11982 \newcommand{\@bidi@bidiold@mpRTLfootnotetext}[1]{%
11983 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
11984 \global\setbox\@mpfootins\vbox{%
11985 \unvbox\@mpfootins
11986 \@RTLtrue
11987 \def\baselinestretch{\m@m@footnote@spacing}%
11988 \reset@font%
11989 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11990 \protected@edef\@currentlabel{%
11991 \csname p@mpfootnote\endcsname\@thefnmark}%
11992 \color@begingroup
11993 \@normalRTLfootfmt{#1}%
11994 \color@endgroup}}
11995 \let\m@mold@footnotetext\@footnotetext
11996 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
11997 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11998 \let\m@mold@mpfootnotetext\@mpfootnotetext
11999 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
12000 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
12001 \bidi@ensure@newcommand{\normalfootnotes}{%
12002 \@bidi@before@Hy@hyperfootnotes

```




```

12003 \let\@footnotetext\m@mold@footnotetext
12004 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
12005 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
12006 \let\@mpfootnotetext\m@mold@mpfootnotetext
12007 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
12008 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
12009 \@bidi@after@Hy@hyperfootnotes
12010 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12011 }
12012 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{ }
12013 \bidi@ensure@newcommand*\setSingleSpace{1}{%
12014 \def\m@m@singlespace{#1}%
12015 \def\m@m@footnote@spacing{#1}%
12016 \def\m@m@float@spacing{#1} %
12017 }
12018 \setSingleSpace{1}
12019 \bidi@ensure@newcommand*\multiplefootnotemarker{3sp}
12020 \bidi@ensure@newcommand*\m@m@mmf@prepare{%
12021 \kern-\multiplefootnotemarker
12022 \kern\multiplefootnotemarker\relax}
12023 \bidi@ensure@newlength{footmarkwidth}
12024 \bidi@ensure@newcommand*\footmarkstyle}[1]{\def\footscript##1{#1}}
12025 \bidi@ensure@newcommand*\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
12026 \bidi@ensure@newcommand*\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
12027 \bidi@ensure@newcommand\footfootmark{%
12028 \ifdim\footmarkwidth < \z@
12029 \llap{\hb@xt@ -\footmarkwidth{%
12030 \hss\normalfont\footscript{\@thefnmark}}%
12031 \hspace*{-\footmarkwidth}}%
12032 \else
12033 \ifdim\footmarkwidth = \z@
12034 {\normalfont\footscript{\@thefnmark}}%
12035 \else
12036 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
12037 \fi
12038 \fi}
12039 \bidi@ensure@newcommand\LTRfootfootmark{%
12040 \ifdim\footmarkwidth < \z@
12041 \llap{\hb@xt@ -\footmarkwidth{%
12042 \hss\normalfont\LTRfootscript{\@thefnmark}}%
12043 \hspace*{-\footmarkwidth}}%
12044 \else
12045 \ifdim\footmarkwidth = \z@
12046 {\normalfont\LTRfootscript{\@thefnmark}}%
12047 \else
12048 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
12049 \fi
12050 \fi}
12051 \bidi@ensure@newcommand\RTLfootfootmark{%
12052 \ifdim\footmarkwidth < \z@
12053 \llap{\hb@xt@ -\footmarkwidth{%
12054 \hss\normalfont\RTLfootscript{\@thefnmark}}%
12055 \hspace*{-\footmarkwidth}}%
12056 \else

```



```

12057 \ifdim\footmarkwidth = \z@
12058   {\normalfont\RTLfootscript{\@thefnmark}}%
12059   \else
12060     \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
12061   \fi
12062 \fi}
12063 \footmarkstyle{\textsuperscript{#1}}
12064 \LTRfootmarkstyle{\textsuperscript{#1}}
12065 \RTLfootmarkstyle{\textsuperscript{#1}}
12066 \newcommand*\bidi@normal@footmarkwidth}{%
12067   \setlength{\footmarkwidth}{1em plus.3em minus.3em}%
12068 }
12069 \newcommand*\bidi@star@footmarkwidth}{%
12070   \setlength{\footmarkwidth}{0em plus.3em minus.3em}%
12071 }
12072 \bidi@normal@footmarkwidth
12073 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
12074 \bidi@ensure@newcommand*\extrafeetins{%
12075   \bidi@joinfootnotes\footinsv@r\@footstartv@r\@footgroupv@r
12076   \bidi@joinfootnotes\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12077   \bidi@joinfootnotes\@bidi@copyins@}{\unvbox\@bidi@copyins@}%
12078   \extrafeetinshook}
12079 \bidi@ensure@newcommand{\extrafeetinshook}{%
12080   \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
12081   \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
12082   \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
12083   \bidi@ensure@newlength{\footinsdim}
12084   \setlength{\footinsdim}{8in} % standard for \dimen\footins
12085   \bidi@ensure@newcommand{\@preamfntext}{%
12086     \interlinepenalty\interfootnotelinepenalty
12087     \floatingpenalty \@MM
12088     \splittopskip=\footnotesep
12089     \splitmaxdepth=\dp\strutbox
12090     \@parboxrestore}
12091   \def\bidi@ifmulticol#1#2{\@tempswafalse
12092     \ifnum\col@number>\@ne
12093       \ifnum\count\footins>1999 \@tempswatruel \fi
12094     \fi
12095     \if@tempswa #1\else #2\fi
12096 }
12097 \def\bidi@joinfootnotes#1#2#3{%
12098   \ifvoid#1
12099   \else
12100     \@tempskipa\skip#1%
12101     \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
12102     \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
12103     \bidi@removexfootskip
12104     \ifvoid\footins
12105       \global\setbox\footins\vbox{#2#3}%
12106     \else
12107       \global\setbox\footins\vbox{%
12108         \unvbox\footins
12109         \bidi@footskip
12110         #2#3%

```



```

12111     }%
12112     \fi
12113     \fi
12114 }
12115 \def\bidi@reinsertfootnote#1#2#3{%
12116     \ifvoid#1%
12117     \else
12118     \insert\footins{#2#3}%
12119     \fi
12120 }
12121 \def\bidi@joinmpfootnotes#1#2#3{%
12122     \ifvoid#1
12123     \else
12124     \@tempskipa\skip#1%
12125     \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
12126     \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
12127     \bidi@removexfootskip
12128     \ifvoid\@mpfootins
12129     \global\setbox\@mpfootins\vbox{#2#3}%
12130     \else
12131     \global\setbox\@mpfootins\vbox{%
12132         \unvbox\@mpfootins
12133         \bidi@footskip
12134         #2#3%
12135     }%
12136     \fi
12137     \fi
12138 }
12139 \newcount\bidi@absolute@page@count
12140 \bidi@absolute@page@count\@ne
12141 \newcount\bidi@absolute@footnote@count
12142 \bidi@AfterOutputBoxOutputPage{%
12143     \if@filesw
12144     \edef\@tempa{%
12145         \write\@auxout{%
12146             \string\bidi@finalfootnoteperpage%
12147             {\noexpand\number\noexpand\bidi@absolute@page@count}%
12148             {\noexpand\number\noexpand\bidi@absolute@footnote@count}%
12149         }%
12150     }%
12151     \@tempa
12152     \fi
12153 }
12154 \bidi@AtEndOutputPage{%
12155     \global\advance\bidi@absolute@page@count\@ne
12156 }
12157 \newcommand*\bidi@finalfootnoteperpage}[2]{%
12158     \expandafter\gdef\csname bidi@currentpagefinalfootnote@#1\endcsname{#2}%
12159 }
12160 \newif\if@bidi@finalfootnoteperpage
12161 \newcommand{\bidi@ifafterfinalfootnoteperpage}[2]{%
12162     \if@bidi@csundef{bidi@currentpagefinalfootnote@#1\number\bidi@absolute@page@count}{%
12163     \global\@bidi@finalfootnoteperpagetrue
12164     }-%

```



```

12165 \global\@bidi@finalfootnoteperpagefalse
12166 \ifnum\bidi@absolutefootnote@count=\bidi@csuse{bidi@currentpagefinalfootnote@@\number\bidi@
12167 #1%
12168 \else
12169 #2%
12170 \fi
12171 }%
12172 }
12173 \newcommand{\bidi@reinsertfinalfootnoteperpage}[3]{%
12174 \bidi@ifafterfinalfootnoteperpage{%
12175 \bidi@reinsertfootnote{#1}{#2}{#3}%
12176 }{%
12177 }%
12178 }
12179 \newcommand*{\bidi@step@absolutefootnote@count}{%
12180 \global\advance\bidi@absolutefootnote@count\@ne
12181 }
12182 \bidi@AfterEndDocumentCheckLabelsRerun{%
12183 \if@bidi@finalfootnoteperpage
12184 \PackageWarningNoLine{bidi}{%
12185 The absolute final footnote is not
12186 known on every page of your
12187 document. Rerun TeX to get the
12188 absolute final footnote on every page
12189 of your document%
12190 }%
12191 \fi
12192 }
12193 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
12194 \extrafeetminihook}
12195 \bidi@ensure@newcommand{\extrafeetendmini}{%
12196 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12197 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12198 \extrafeetendminihook}
12199 \bidi@ensure@newcommand{\extrafeetendminihook}{%
12200 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
12201 \def\endminipage{%
12202 \par
12203 \unskip
12204 \m@mdoextrafeetendmini
12205 \ifvoid\@mpfootins
12206 \else
12207 \vskip\skip\@mpfootins
12208 \normalcolor
12209 \footnoterule
12210 \unvbox\@mpfootins
12211 \fi
12212 \@minipagefalse
12213 \color@endgroup
12214 \egroup
12215 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
12216 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
12217 \@namedef{@footstart#1}{%
12218 \leftskip=\z@

```



```

12219 \rightskip=\z@
12220 \parindent=\z@
12221 }%
12222 }
12223 \newinsert\footinsv@r
12224 \skip\footinsv@r\skip\footins
12225 \count\footinsv@r=1000 % no magnification
12226 \dimen\footinsv@r=\footinsdim
12227 \m@make@footstart{v@r}
12228 \newinsert\footinsv@l
12229 \skip\footinsv@l\skip\footins
12230 \count\footinsv@l=1000 % no magnification
12231 \dimen\footinsv@l=\footinsdim
12232 \m@make@footstart{v@l}
12233 \bidi@ensure@newcommand{\@footgroupv@r}{%
12234 \newinsert\@mpfootinsv@r
12235 \skip\@mpfootinsv@r\skip\@mpfootins
12236 \newinsert\@mpfootinsv@l
12237 \skip\@mpfootinsv@l\skip\@mpfootins
12238 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
12239 \newcount\m@m@k \newdimen\m@m@h
12240 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12241 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12242 \valign{##\vfill\cr\m@m@dosplits}\endR}}
12243 \newcommand*{\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12244 \@@line{\beginL\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12245 \valign{##\vfill\cr\m@m@dosplits}\endL}}
12246 \bidi@ensure@newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
12247 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
12248 \bidi@ensure@newcommand*{\m@m@splitoff}{\dimen0=\ht0
12249 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
12250 \setbox2 \vsplit0 to \dimen0
12251 \unvbox2 }
12252 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
12253 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12254 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12255 \@bidi@before@Hy@hyperfootnotes
12256 \let\@footnotetext\@twocolfootnotetext
12257 \let\@LTRfootnotetext\@twocolLTRfootnotetext
12258 \let\@RTLfootnotetext\@twocolRTLfootnotetext
12259 \dimen\footinsv@r=2\footinsdim
12260 \count\footinsv@r=500\relax
12261 \m@make@twocol@footgroup{v@r}%
12262 \let\@footgroupv@r\@twocol@footgroupv@r
12263 \dimen\footinsv@l=2\footinsdim
12264 \count\footinsv@l=500\relax
12265 \bidi@make@twocol@LTRfootgroup{v@l}%
12266 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12267 \let\@mpfootnotetext\@mptwocolfootnotetext
12268 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
12269 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
12270 \@bidi@after@Hy@hyperfootnotes
12271 \m@make@mptwocol@footgroup{v@r}%
12272 \let\mp@footgroupv@r\@mptwocol@footgroupv@r

```



```

12273 \bidi@make@mp@twocol@LTRfootgroup{v@1}%
12274 \let\mp@LTRfootgroupv@1\@mp@twocol@LTRfootgroupv@1
12275 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12276 }
12277 \newcommand{\TwoColumnFootnotes}{%
12278 \@namedef{foottextfontv@r}{\foottextfont}%
12279 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12280 \@bidi@before@Hy@hyperfootnotes
12281 \let\@footnotetext\@TwoColfootnotetext
12282 \let\@LTRfootnotetext\@TwoColLTRfootnotetext
12283 \let\@RTLfootnotetext\@TwoColRTLfootnotetext
12284 \dimen\footinsv@r=2\footinsdim
12285 \count\footinsv@r=500\relax
12286 \m@make@twocol@footgroup{v@r}%
12287 \let\@footgroupv@r\@twocol@footgroupv@r
12288 \dimen\footinsv@l=2\footinsdim
12289 \count\footinsv@l=500\relax
12290 \bidi@make@twocol@LTRfootgroup{v@1}%
12291 \let\@LTRfootgroupv@1\@twocol@LTRfootgroupv@1
12292 \let\@mpfootnotetext\@mp@twocolfootnotetext
12293 \let\@mpLTRfootnotetext\@mp@twocolLTRfootnotetext
12294 \let\@mpRTLfootnotetext\@mp@twocolRTLfootnotetext
12295 \@bidi@after@Hy@hyperfootnotes
12296 \m@make@mp@twocol@footgroup{v@r}%
12297 \let\mp@footgroupv@r\@mp@twocol@footgroupv@r
12298 \bidi@make@mp@twocol@LTRfootgroup{v@1}%
12299 \let\mp@LTRfootgroupv@1\@mp@twocol@LTRfootgroupv@1
12300 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12301 }
12302 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert
12303 \if@RTL@footnote
12304 \footinsv@r
12305 \else
12306 \footinsv@l
12307 \fi
12308 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12309 \def\baselinestretch{\m@mm@footnote@spacing}%
12310 \reset@font\foottextfont
12311 \@preamftext
12312 \protected@edef\@currentlabel{%
12313 \csname p@footnote\endcsname\@thefnmark}%
12314 \color@begingroup
12315 \@twocolfootfmt{#1}%
12316 \color@endgroup}%
12317 \m@mmf@prepare}
12318 \newcommand{\@TwoColfootnotetext}[1]{%
12319 \bidi@step@absolute@footnote@count
12320 \if@RTL@footnote
12321 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@1
12322 \else
12323 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
12324 \fi
12325 \global\setbox
12326 \if@RTL@footnote

```



```

12327 \footinsv@r
12328 \else
12329 \footinsv@l
12330 \fi
12331 \vbox{%
12332 \unvbox
12333 \if@RTL@footnote
12334 \footinsv@r
12335 \else
12336 \footinsv@l
12337 \fi
12338 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12339 \def\baselinestretch{\m@m@footnote@spacing}%
12340 \reset@font\foottextfont
12341 \@preamfntext
12342 \protected@edef\@currentlabel{%
12343 \csname p@footnote\endcsname\@thefnmark}%
12344 \color@begingroup
12345 \@twocolfootfmt{#1}%
12346 \color@endgroup}%
12347 \m@mmf@prepare
12348 \if@RTL@footnote
12349 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12350 \else
12351 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12352 \fi
12353 }
12354 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12355 \def\baselinestretch{\m@m@footnote@spacing}%
12356 \reset@font\LTRfoottextfont
12357 \@preamfntext
12358 \protected@edef\@currentlabel{%
12359 \csname p@footnote\endcsname\@thefnmark}%
12360 \color@begingroup
12361 \@twocolLTRfootfmt{#1}%
12362 \color@endgroup}%
12363 \m@mmf@prepare}
12364 \newcommand{\@TwoColLTRfootnotetext}[1]{%
12365 \bidi@step@absolute@footnote@count
12366 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12367 \global\setbox\footinsv@l\vbox{%
12368 \unvbox\footinsv@l
12369 \@RTLfalse
12370 \def\baselinestretch{\m@m@footnote@spacing}%
12371 \reset@font\LTRfoottextfont
12372 \@preamfntext
12373 \protected@edef\@currentlabel{%
12374 \csname p@footnote\endcsname\@thefnmark}%
12375 \color@begingroup
12376 \@twocolLTRfootfmt{#1}%
12377 \color@endgroup}%
12378 \m@mmf@prepare
12379 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12380 }

```



```

12381 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12382 \def\baselinestretch{\m@m@footnote@spacing}%
12383 \reset@font\RTLfoottextfont
12384 \@preamftext
12385 \protected@edef\@currentlabel{%
12386 \csname p@footnote\endcsname\@thefnmark}%
12387 \color@begingroup
12388 \@twocolRTLfootfmt{#1}%
12389 \color@endgroup}%
12390 \m@mmf@prepare}
12391 \newcommand{\@TwoColRTLfootnotetext}[1]{%
12392 \bidi@step@absolute@footnote@count
12393 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12394 \global\setbox\footinsv@r\vbox{%
12395 \unvbox\footinsv@r
12396 \@RTLtrue
12397 \def\baselinestretch{\m@m@footnote@spacing}%
12398 \reset@font\RTLfoottextfont
12399 \@preamftext
12400 \protected@edef\@currentlabel{%
12401 \csname p@footnote\endcsname\@thefnmark}%
12402 \color@begingroup
12403 \@twocolRTLfootfmt{#1}%
12404 \color@endgroup}%
12405 \m@mmf@prepare
12406 \bidi@reinsert@final@footnote@perpage\footinsv@r\@footstartv@r\@footgroupv@r
12407 }
12408 \bidi@ensure@newcommand{\@preamtwofmt}{%
12409 \hsize .45\hsize
12410 \parindent=\z@
12411 \tolerance=5000\relax
12412 \leavevmode}
12413 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
12414 \@preamtwofmt
12415 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12416 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
12417 \@preamtwofmt
12418 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12419 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12420 \@preamtwofmt
12421 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12422 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12423 \global\setbox
12424 \if@RTL@footnote
12425 \mpfootinsv@r
12426 \else
12427 \mpfootinsv@l
12428 \fi
12429 \vbox{%
12430 \unvbox
12431 \if@RTL@footnote
12432 \mpfootinsv@r
12433 \else
12434 \mpfootinsv@l

```




```

12435 \fi
12436 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12437 \def\baselinestretch{\m@m@footnote@spacing}%
12438 \reset@font\foottextfont
12439 \hsize\columnwidth \@parboxrestore
12440 \protected@edef\@currentlabel{%
12441 \csname p@mpfootnote\endcsname\@thefnmark}%
12442 \color@begingroup
12443 \@twocolfootfmt{#1}%
12444 \color@endgroup}%
12445 \m@mmf@prepare}
12446 \newcommand{\@mpTwoColfootnotetext}[1]{%
12447 \if@RTL@footnote
12448 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12449 \else
12450 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12451 \fi
12452 \global\setbox
12453 \if@RTL@footnote
12454 \@mpfootinsv@r
12455 \else
12456 \@mpfootinsv@l
12457 \fi
12458 \vbox{%
12459 \unvbox
12460 \if@RTL@footnote
12461 \@mpfootinsv@r
12462 \else
12463 \@mpfootinsv@l
12464 \fi
12465 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12466 \def\baselinestretch{\m@m@footnote@spacing}%
12467 \reset@font\foottextfont
12468 \hsize\columnwidth \@parboxrestore
12469 \protected@edef\@currentlabel{%
12470 \csname p@mpfootnote\endcsname\@thefnmark}%
12471 \color@begingroup
12472 \@twocolfootfmt{#1}%
12473 \color@endgroup}%
12474 \m@mmf@prepare}
12475 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12476 \global\setbox\@mpfootinsv@l\vbox{%
12477 \unvbox\@mpfootinsv@l
12478 \@RTLfalse
12479 \def\baselinestretch{\m@m@footnote@spacing}%
12480 \reset@font\LTRfoottextfont
12481 \hsize\columnwidth \@parboxrestore
12482 \protected@edef\@currentlabel{%
12483 \csname p@mpfootnote\endcsname\@thefnmark}%
12484 \color@begingroup
12485 \@twocolLTRfootfmt{#1}%
12486 \color@endgroup}%
12487 \m@mmf@prepare}
12488 \newcommand{\@mpTwoCollTRfootnotetext}[1]{%

```



```

12489 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12490 \global\setbox\@mpfootinsv@l\vbox{%
12491   \unvbox\@mpfootinsv@l
12492   \@RTLfalse
12493   \def\baselinestretch{\m@m@footnote@spacing}%
12494   \reset@font\LTRfoottextfont
12495   \hsize\columnwidth \@parboxrestore
12496   \protected@edef\@currentlabel{%
12497     \csname p@mpfootnote\endcsname\@thefnmark}%
12498   \color@begingroup
12499     \@twocolLTRfootfmt{#1}%
12500   \color@endgroup}%
12501   \m@mmf@prepare}
12502 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
12503   \global\setbox\@mpfootinsv@r\vbox{%
12504     \unvbox\@mpfootinsv@r
12505     \@RTLtrue
12506     \def\baselinestretch{\m@m@footnote@spacing}%
12507     \reset@font\RTLfoottextfont
12508     \hsize\columnwidth \@parboxrestore
12509     \protected@edef\@currentlabel{%
12510       \csname p@mpfootnote\endcsname\@thefnmark}%
12511     \color@begingroup
12512       \@twocolRTLfootfmt{#1}%
12513     \color@endgroup}%
12514     \m@mmf@prepare}
12515 \newcommand{\@mpTwoColRTLfootnotetext}[1]{%
12516   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12517   \global\setbox\@mpfootinsv@r\vbox{%
12518     \unvbox\@mpfootinsv@r
12519     \@RTLtrue
12520     \def\baselinestretch{\m@m@footnote@spacing}%
12521     \reset@font\RTLfoottextfont
12522     \hsize\columnwidth \@parboxrestore
12523     \protected@edef\@currentlabel{%
12524       \csname p@mpfootnote\endcsname\@thefnmark}%
12525     \color@begingroup
12526       \@twocolRTLfootfmt{#1}%
12527     \color@endgroup}%
12528     \m@mmf@prepare}
12529 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
12530   \@namedef{@twocol@footgroup#1}{%
12531     \def\baselinestretch{\m@m@footnote@spacing}%
12532     \hsize\bidi@columnwidth
12533     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12534     \m@r rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12535 \newcommand{\bidi@make@twocol@LTRfootgroup}[1]{%
12536   \@namedef{@twocol@LTRfootgroup#1}{%
12537     \def\baselinestretch{\m@m@footnote@spacing}%
12538     \hsize\bidi@columnwidth
12539     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12540     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12541 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
12542   \@namedef{@mptwocol@footgroup#1}{%

```



```

12543 \def\baselinestretch{\m@footnote@spacing}%
12544 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12545 \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}
12546 \newcommand{\bidi@make@mptwocol@LTRfootgroup}[1]{%
12547 \@namedef{mptwocol@LTRfootgroup#1}{%
12548 \def\baselinestretch{\m@footnote@spacing}%
12549 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12550 \bidi@LTRrigrigidbodybalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}
12551 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12552 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12553 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12554 \@bidi@before@Hy@hyperfootnotes
12555 \let\@footnotetext\@threecolfootnotetext
12556 \let\@LTRfootnotetext\@threecolLTRfootnotetext
12557 \let\@RTLfootnotetext\@threecolRTLfootnotetext
12558 \dimen\footinsv@r=3\footinsdim
12559 \count\footinsv@r=333\relax
12560 \m@make@threecol@footgroup{v@r}%
12561 \let\@footgroupv@r\@threecol@footgroupv@r
12562 \dimen\footinsv@l=3\footinsdim
12563 \count\footinsv@l=333\relax
12564 \bidi@make@threecol@LTRfootgroup{v@l}%
12565 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12566 \let\@mpfootnotetext\@mpthreecolfootnotetext
12567 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
12568 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
12569 \@bidi@after@Hy@hyperfootnotes
12570 \m@make@mpthreecol@footgroup{v@r}%
12571 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12572 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12573 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12574 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12575 }
12576 \newcommand{\ThreeColumnFootnotes}{%
12577 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12578 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12579 \@bidi@before@Hy@hyperfootnotes
12580 \let\@footnotetext\@ThreeColfootnotetext
12581 \let\@LTRfootnotetext\@ThreeColLTRfootnotetext
12582 \let\@RTLfootnotetext\@ThreeColRTLfootnotetext
12583 \dimen\footinsv@r=3\footinsdim
12584 \count\footinsv@r=333\relax
12585 \m@make@threecol@footgroup{v@r}%
12586 \let\@footgroupv@r\@threecol@footgroupv@r
12587 \dimen\footinsv@l=3\footinsdim
12588 \count\footinsv@l=333\relax
12589 \bidi@make@threecol@LTRfootgroup{v@l}%
12590 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12591 \let\@mpfootnotetext\@mpThreeColfootnotetext
12592 \let\@mpLTRfootnotetext\@mpThreeColLTRfootnotetext
12593 \let\@mpRTLfootnotetext\@mpThreeColRTLfootnotetext
12594 \@bidi@after@Hy@hyperfootnotes
12595 \m@make@mpthreecol@footgroup{v@r}%
12596 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r

```



```

12597 \bidi@make@mpthreecol@LTRfootgroup{v@1}%
12598 \let\mp@LTRfootgroupv@1\@mpthreecol@LTRfootgroupv@1
12599 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12600 }
12601 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12602 \if@RTL@footnote
12603 \footinsv@r
12604 \else
12605 \footinsv@l
12606 \fi
12607 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12608 \def\baselinestretch{\m@m@footnote@spacing}%
12609 \reset@font\foottextfont
12610 \@preamfntext
12611 \protected@edef\@currentlabel{%
12612 \csname p@footnote\endcsname\@thefnmark}%
12613 \color@begingroup
12614 \@threecolfootfmt{#1}%
12615 \color@endgroup}\m@mmf@prepare}
12616 \newcommand{\@ThreeColfootnotetext}[1]{%
12617 \bidi@step@absolute@footnote@count
12618 \if@RTL@footnote
12619 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@1
12620 \else
12621 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12622 \fi
12623 \global\setbox
12624 \if@RTL@footnote
12625 \footinsv@r
12626 \else
12627 \footinsv@l
12628 \fi
12629 \vbox{%
12630 \unvbox
12631 \if@RTL@footnote
12632 \footinsv@r
12633 \else
12634 \footinsv@l
12635 \fi
12636 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12637 \def\baselinestretch{\m@m@footnote@spacing}%
12638 \reset@font\foottextfont
12639 \@preamfntext
12640 \protected@edef\@currentlabel{%
12641 \csname p@footnote\endcsname\@thefnmark}%
12642 \color@begingroup
12643 \@threecolfootfmt{#1}%
12644 \color@endgroup}\m@mmf@prepare
12645 \if@RTL@footnote
12646 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12647 \else
12648 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@1
12649 \fi
12650 }

```



```

12651 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@1{\@RTLfalse%
12652 \def\baselinestretch{\m@m@footnote@spacing}%
12653 \reset@font\LTRfoottextfont
12654 \@preamfntext
12655 \protected@edef\@currentlabel{%
12656 \csname p@footnote\endcsname\@thefnmark}%
12657 \color@begingroup
12658 \@threecolLTRfootfmt{#1}%
12659 \color@endgroup}\m@mmf@prepare}
12660 \newcommand{\@ThreeColLTRfootnotetext}[1]{%
12661 \bidi@step@absolute@footnote@count
12662 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
12663 \global\setbox\footinsv@1\vbox{%
12664 \unvbox\footinsv@1
12665 \@RTLfalse
12666 \def\baselinestretch{\m@m@footnote@spacing}%
12667 \reset@font\LTRfoottextfont
12668 \@preamfntext
12669 \protected@edef\@currentlabel{%
12670 \csname p@footnote\endcsname\@thefnmark}%
12671 \color@begingroup
12672 \@threecolLTRfootfmt{#1}%
12673 \color@endgroup}\m@mmf@prepare
12674 \bidi@reinsert@final@footnote@perpage\footinsv@1\@footstartv@1\@LTRfootgroupv@1
12675 }
12676 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12677 \def\baselinestretch{\m@m@footnote@spacing}%
12678 \reset@font\RTLfoottextfont
12679 \@preamfntext
12680 \protected@edef\@currentlabel{%
12681 \csname p@footnote\endcsname\@thefnmark}%
12682 \color@begingroup
12683 \@threecolRTLfootfmt{#1}%
12684 \color@endgroup}\m@mmf@prepare}
12685 \newcommand{\@ThreeColRTLfootnotetext}[1]{%
12686 \bidi@step@absolute@footnote@count
12687 \bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
12688 \global\setbox\footinsv@r\vbox{%
12689 \unvbox\footinsv@r
12690 \@RTLtrue
12691 \def\baselinestretch{\m@m@footnote@spacing}%
12692 \reset@font\RTLfoottextfont
12693 \@preamfntext
12694 \protected@edef\@currentlabel{%
12695 \csname p@footnote\endcsname\@thefnmark}%
12696 \color@begingroup
12697 \@threecolRTLfootfmt{#1}%
12698 \color@endgroup}\m@mmf@prepare
12699 \bidi@reinsert@final@footnote@perpage\footinsv@r\@footstartv@r\@footgroupv@r
12700 }
12701 \bidi@ensure@newcommand{\@preamthreelfmt}{%
12702 \hspace .3\hspace
12703 \parindent=\z@
12704 \tolerance=5000\relax

```



```

12705 \leavevmode}
12706 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12707   \@preamthreefmt
12708   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12709 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12710   \@preamthreefmt
12711   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12712 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
12713   \@preamthreefmt
12714   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12715 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12716   \global\setbox
12717     \if@RTL@footnote
12718     \@mpfootinsv@r
12719   \else
12720     \@mpfootinsv@l
12721   \fi
12722   \vbox{%
12723     \unvbox
12724     \if@RTL@footnote
12725     \@mpfootinsv@r
12726   \else
12727     \@mpfootinsv@l
12728   \fi
12729   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12730   \def\baselinestretch{\m@m@footnote@spacing}%
12731   \reset@font\foottextfont
12732   \hsize\columnwidth \@parboxrestore
12733   \protected@edef\@currentlabel{%
12734     \csname p@mpfootnote\endcsname\@thefnmark}%
12735   \color@begingroup
12736     \@threecolfootfmt{#1}%
12737   \color@endgroup}\m@mmf@prepare}
12738 \newcommand{\@mpThreeColfootnotetext}[1]{%
12739   \if@RTL@footnote
12740     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12741   \else
12742     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12743   \fi
12744   \global\setbox
12745     \if@RTL@footnote
12746     \@mpfootinsv@r
12747   \else
12748     \@mpfootinsv@l
12749   \fi
12750   \vbox{%
12751     \unvbox
12752     \if@RTL@footnote
12753     \@mpfootinsv@r
12754   \else
12755     \@mpfootinsv@l
12756   \fi
12757   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12758   \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12759 \reset@font\foottextfont
12760 \hsize\columnwidth \@parboxrestore
12761 \protected@edef\@currentlabel{%
12762 \csname p@mpfootnote\endcsname\@thefnmark}%
12763 \color@begingroup
12764 \@threecolfootfmt{#1}%
12765 \color@endgroup}\m@mmf@prepare}
12766 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
12767 \global\setbox\@mpfootinsv@l\vbox{%
12768 \unvbox\@mpfootinsv@l
12769 \@RTLfalse
12770 \def\baselinestretch{\m@m@footnote@spacing}%
12771 \reset@font\LTRfoottextfont
12772 \hsize\columnwidth \@parboxrestore
12773 \protected@edef\@currentlabel{%
12774 \csname p@mpfootnote\endcsname\@thefnmark}%
12775 \color@begingroup
12776 \@threecolLTRfootfmt{#1}%
12777 \color@endgroup}\m@mmf@prepare}
12778 \newcommand{\@mpThreeColLTRfootnotetext}[1]{%
12779 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12780 \global\setbox\@mpfootinsv@l\vbox{%
12781 \unvbox\@mpfootinsv@l
12782 \@RTLfalse
12783 \def\baselinestretch{\m@m@footnote@spacing}%
12784 \reset@font\LTRfoottextfont
12785 \hsize\columnwidth \@parboxrestore
12786 \protected@edef\@currentlabel{%
12787 \csname p@mpfootnote\endcsname\@thefnmark}%
12788 \color@begingroup
12789 \@threecolLTRfootfmt{#1}%
12790 \color@endgroup}\m@mmf@prepare}
12791 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
12792 \global\setbox\@mpfootinsv@r\vbox{%
12793 \unvbox\@mpfootinsv@r
12794 \@RTLtrue
12795 \def\baselinestretch{\m@m@footnote@spacing}%
12796 \reset@font\RTLfoottextfont
12797 \hsize\columnwidth \@parboxrestore
12798 \protected@edef\@currentlabel{%
12799 \csname p@mpfootnote\endcsname\@thefnmark}%
12800 \color@begingroup
12801 \@threecolRTLfootfmt{#1}%
12802 \color@endgroup}\m@mmf@prepare}
12803 \newcommand{\@mpThreeColRTLfootnotetext}[1]{%
12804 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12805 \global\setbox\@mpfootinsv@r\vbox{%
12806 \unvbox\@mpfootinsv@r
12807 \@RTLtrue
12808 \def\baselinestretch{\m@m@footnote@spacing}%
12809 \reset@font\RTLfoottextfont
12810 \hsize\columnwidth \@parboxrestore
12811 \protected@edef\@currentlabel{%
12812 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

12813 \color@begingroup
12814 \@threecolRTLfootfmt{#1}%
12815 \color@endgroup}\m@mmf@prepare}
12816 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12817 \@namedef{@threecol@footgroup#1}{%
12818 \def\baselinestretch{\m@footnote@spacing}%
12819 \hsize\bidi@columnwidth
12820 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12821 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}
12822 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12823 \@namedef{@threecol@LTRfootgroup#1}{%
12824 \def\baselinestretch{\m@footnote@spacing}%
12825 \hsize\bidi@columnwidth
12826 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12827 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}
12828 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12829 \@namedef{@mpthreecol@footgroup#1}{%
12830 \def\baselinestretch{\m@footnote@spacing}%
12831 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12832 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}
12833 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12834 \@namedef{@mpthreecol@LTRfootgroup#1}{%
12835 \def\baselinestretch{\m@footnote@spacing}%
12836 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12837 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}
12838 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12839 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12840 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12841 \@bidi@before@Hy@hyperfootnotes
12842 \let\@footnotetext\@fourcolfootnotetext
12843 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
12844 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
12845 \dimen\footinsv@r=4\footinsdim
12846 \count\footinsv@r=250\relax
12847 \m@make@fourcol@footgroup{v@r}%
12848 \let\@footgroupv@r\@fourcol@footgroupv@r
12849 \dimen\footinsv@l=4\footinsdim
12850 \count\footinsv@l=250\relax
12851 \bidi@make@fourcol@LTRfootgroup{v@l}%
12852 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12853 \let\@mpfootnotetext\@mpfourcolfootnotetext
12854 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
12855 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
12856 \@bidi@after@Hy@hyperfootnotes
12857 \m@make@mpfourcol@footgroup{v@r}%
12858 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12859 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12860 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12861 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12862 }
12863 \newcommand{\FourColumnFootnotes}{%
12864 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12865 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12866 \@bidi@before@Hy@hyperfootnotes

```




```

12867 \let\@footnotetext\@FourColfootnotetext
12868 \let\@LTRfootnotetext\@FourColLTRfootnotetext
12869 \let\@RTLfootnotetext\@FourColRTLfootnotetext
12870 \dimen\footinsv@r=4\footinsdim
12871 \count\footinsv@r=250\relax
12872 \m@make@fourcol@footgroup{v@r}%
12873 \let\@footgroupv@r\@fourcol@footgroupv@r
12874 \dimen\footinsv@l=4\footinsdim
12875 \count\footinsv@l=250\relax
12876 \bidi@make@fourcol@LTRfootgroup{v@l}%
12877 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12878 \let\@mpfootnotetext\@mpFourColfootnotetext
12879 \let\@mpLTRfootnotetext\@mpFourColLTRfootnotetext
12880 \let\@mpRTLfootnotetext\@mpFourColRTLfootnotetext
12881 \@bidi@after@Hy@hyperfootnotes
12882 \m@make@mpfourcol@footgroup{v@r}%
12883 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12884 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12885 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12886 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12887 }
12888 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12889   \if@RTL@footnote
12890     \footinsv@r
12891   \else
12892     \footinsv@l
12893   \fi
12894 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12895 \def\baselinestretch{\m@footnote@spacing}%
12896 \reset@font\foottextfont
12897 \@preamfntext
12898 \protected@edef\@currentlabel{%
12899   \csname p@footnote\endcsname\@thefnmark}%
12900 \color@begingroup
12901   \@fourcolfootfmt{#1}%
12902 \color@endgroup}%
12903 \m@mmf@prepare}
12904 \newcommand{\@FourColfootnotetext}[1]{%
12905 \bidi@step@absolutefootnote@count
12906 \if@RTL@footnote
12907   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12908 \else
12909   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12910 \fi
12911 \global\setbox
12912 \if@RTL@footnote
12913   \footinsv@r
12914 \else
12915   \footinsv@l
12916 \fi
12917 \vbox{%
12918 \unvbox
12919 \if@RTL@footnote
12920   \footinsv@r

```



```

12921 \else
12922   \footinsv@l
12923 \fi
12924 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12925 \def\baselinestretch{\m@#footnote@spacing}%
12926 \reset@font\foottextfont
12927 \@preamfntext
12928 \protected@edef\@currentlabel{%
12929   \csname p@footnote\endcsname\@thefnmark}%
12930 \color@begingroup
12931   \@fourcolfootfmt{#1}%
12932 \color@endgroup}%
12933 \m@mmf@prepare
12934 \if@RTL@footnote
12935   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12936 \else
12937   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12938 \fi
12939 }
12940 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12941 \def\baselinestretch{\m@#footnote@spacing}%
12942 \reset@font\LTRfoottextfont
12943 \@preamfntext
12944 \protected@edef\@currentlabel{%
12945   \csname p@footnote\endcsname\@thefnmark}%
12946 \color@begingroup
12947   \@fourcolLTRfootfmt{#1}%
12948 \color@endgroup}%
12949 \m@mmf@prepare}
12950 \newcommand{\@FourColLTRfootnotetext}[1]{%
12951 \bidi@step@absolute@footnote@count
12952 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12953 \global\setbox\footinsv@l\vbox{%
12954 \unvbox\footinsv@l
12955 \@RTLfalse%
12956 \def\baselinestretch{\m@#footnote@spacing}%
12957 \reset@font\LTRfoottextfont
12958 \@preamfntext
12959 \protected@edef\@currentlabel{%
12960   \csname p@footnote\endcsname\@thefnmark}%
12961 \color@begingroup
12962   \@fourcolLTRfootfmt{#1}%
12963 \color@endgroup}%
12964 \m@mmf@prepare
12965 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12966 }
12967 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12968 \def\baselinestretch{\m@#footnote@spacing}%
12969 \reset@font\RTLfoottextfont
12970 \@preamfntext
12971 \protected@edef\@currentlabel{%
12972   \csname p@footnote\endcsname\@thefnmark}%
12973 \color@begingroup
12974   \@fourcolRTLfootfmt{#1}%

```



```

12975 \color@endgroup}%
12976 \m@mmf@prepare}
12977 \newcommand{\@FourColRTLfootnotetext}[1]{%
12978 \bidi@step@absolute@footnote@count
12979 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12980 \global\setbox\footinsv@r\vbox{%
12981 \unvbox\footinsv@r
12982 \@RTLtrue
12983 \def\baselinestretch{\m@m@footnote@spacing}%
12984 \reset@font\RTLfoottextfont
12985 \@preamfntext
12986 \protected@edef\@currentlabel{%
12987 \csname p@footnote\endcsname\@thefnmark}%
12988 \color@begingroup
12989 \@fourcolRTLfootfmt{#1}%
12990 \color@endgroup}%
12991 \m@mmf@prepare
12992 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12993 }
12994 \bidi@ensure@newcommand{\@preamfourfmt}{%
12995 \hspace .25\hspace
12996 \parindent=\z@
12997 \tolerance=5000\relax
12998 \leavevmode}
12999 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
13000 \@preamfourfmt
13001 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13002 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
13003 \@preamfourfmt
13004 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13005 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
13006 \@preamfourfmt
13007 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13008 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
13009 \global\setbox
13010 \if@RTL@footnote
13011 \@mpfootinsv@r
13012 \else
13013 \@mpfootinsv@l
13014 \fi
13015 \vbox{%
13016 \unvbox
13017 \if@RTL@footnote
13018 \@mpfootinsv@r
13019 \else
13020 \@mpfootinsv@l
13021 \fi
13022 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13023 \def\baselinestretch{\m@m@footnote@spacing}%
13024 \reset@font\foottextfont
13025 \hspace\columnwidth \@parboxrestore
13026 \protected@edef\@currentlabel{%
13027 \csname p@mpfootnote\endcsname\@thefnmark}%
13028 \color@begingroup

```



```

13029   \@fourcolfootfmt{#1}%
13030   \color@endgroup}%
13031   \m@mmf@prepare}
13032 \newcommand{\@mpFourColfootnotetext}[1]{%
13033   \if@RTL@footnote
13034   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13035   \else
13036   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13037   \fi
13038   \global\setbox
13039   \if@RTL@footnote
13040   \@mpfootinsv@r
13041   \else
13042   \@mpfootinsv@l
13043   \fi
13044   \vbox{%
13045     \unvbox
13046     \if@RTL@footnote
13047     \@mpfootinsv@r
13048     \else
13049     \@mpfootinsv@l
13050     \fi
13051     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13052     \def\baselinestretch{\m@m@footnote@spacing}%
13053     \reset@font\foottextfont
13054     \hsize\columnwidth \@parboxrestore
13055     \protected@edef\@currentlabel{%
13056       \csname p@mpfootnote\endcsname\@thefnmark}%
13057     \color@begingroup
13058     \@fourcolfootfmt{#1}%
13059     \color@endgroup}%
13060     \m@mmf@prepare}
13061 \bidi@ensure@newcommand{\@mpfourcollTRfootnotetext}[1]{%
13062   \global\setbox\@mpfootinsv@l\vbox{%
13063     \unvbox\@mpfootinsv@l
13064     \@RTLfalse
13065     \def\baselinestretch{\m@m@footnote@spacing}%
13066     \reset@font\LTRfoottextfont
13067     \hsize\columnwidth \@parboxrestore
13068     \protected@edef\@currentlabel{%
13069       \csname p@mpfootnote\endcsname\@thefnmark}%
13070     \color@begingroup
13071     \@fourcollTRfootfmt{#1}%
13072     \color@endgroup}%
13073     \m@mmf@prepare}
13074 \newcommand{\@mpFourCollTRfootnotetext}[1]{%
13075   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13076   \global\setbox\@mpfootinsv@l\vbox{%
13077     \unvbox\@mpfootinsv@l
13078     \@RTLfalse
13079     \def\baselinestretch{\m@m@footnote@spacing}%
13080     \reset@font\LTRfoottextfont
13081     \hsize\columnwidth \@parboxrestore
13082     \protected@edef\@currentlabel{%

```



```

13083     \csname p@mpfootnote\endcsname\@thefnmark}%
13084 \color@begingroup
13085   \@fourcolLTRfootfmt{#1}%
13086 \color@endgroup}%
13087 \m@mmf@prepare}
13088 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
13089   \global\setbox\@mpfootinsv@r\vbox{%
13090     \unvbox\@mpfootinsv@r
13091     \RTLtrue
13092     \def\baselinestretch{\m@m@footnote@spacing}%
13093     \reset@font\RTLfoottextfont
13094     \hsize\columnwidth \@parboxrestore
13095     \protected@edef\@currentlabel{%
13096       \csname p@mpfootnote\endcsname\@thefnmark}%
13097   \color@begingroup
13098     \@fourcolRTLfootfmt{#1}%
13099   \color@endgroup}%
13100 \m@mmf@prepare}
13101 \newcommand{\@mpFourColRTLfootnotetext}[1]{%
13102   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13103   \global\setbox\@mpfootinsv@r\vbox{%
13104     \unvbox\@mpfootinsv@r
13105     \RTLtrue
13106     \def\baselinestretch{\m@m@footnote@spacing}%
13107     \reset@font\RTLfoottextfont
13108     \hsize\columnwidth \@parboxrestore
13109     \protected@edef\@currentlabel{%
13110       \csname p@mpfootnote\endcsname\@thefnmark}%
13111   \color@begingroup
13112     \@fourcolRTLfootfmt{#1}%
13113   \color@endgroup}%
13114 \m@mmf@prepare}
13115 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
13116   \@namedef{@fourcol@footgroup#1}{%
13117     \def\baselinestretch{\m@m@footnote@spacing}%
13118     \hsize\bidi@columnwidth
13119     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13120     \m@r@rigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
13121 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
13122   \@namedef{@fourcol@LTRfootgroup#1}{%
13123     \def\baselinestretch{\m@m@footnote@spacing}%
13124     \hsize\bidi@columnwidth
13125     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13126     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
13127 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
13128   \@namedef{@mpfourcol@footgroup#1}{%
13129     \def\baselinestretch{\m@m@footnote@spacing}%
13130     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13131     \m@r@rigidbalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}
13132 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
13133   \@namedef{@mpfourcol@LTRfootgroup#1}{%
13134     \def\baselinestretch{\m@m@footnote@spacing}%
13135     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13136     \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}

```



```

13137 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
13138   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13139   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13140   \@bidi@before@Hy@hyperfootnotes
13141   \let\@footnotetext\@fivecolfootnotetext
13142   \let\@LTRfootnotetext\@fivecolLTRfootnotetext
13143   \let\@RTLfootnotetext\@fivecolRTLfootnotetext
13144   \dimen\footinsv@r=5\footinsdim
13145   \count\footinsv@r=200\relax
13146   \m@make@fivecol@footgroup{v@r}%
13147   \let\@footgroupv@r\@fivecol@footgroupv@r
13148   \dimen\footinsv@l=5\footinsdim
13149   \count\footinsv@l=200\relax
13150   \bidi@make@fivecol@LTRfootgroup{v@l}%
13151   \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13152   \let\@mpfootnotetext\@mpfivecolfootnotetext
13153   \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
13154   \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
13155   \@bidi@after@Hy@hyperfootnotes
13156   \m@make@mpfivecol@footgroup{v@r}%
13157   \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13158   \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13159   \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13160   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13161 }
13162 \newcommand{\FiveColumnFootnotes}{%
13163   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13164   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13165   \@bidi@before@Hy@hyperfootnotes
13166   \let\@footnotetext\@FiveColfootnotetext
13167   \let\@LTRfootnotetext\@FiveColLTRfootnotetext
13168   \let\@RTLfootnotetext\@FiveColRTLfootnotetext
13169   \dimen\footinsv@r=5\footinsdim
13170   \count\footinsv@r=200\relax
13171   \m@make@fivecol@footgroup{v@r}%
13172   \let\@footgroupv@r\@fivecol@footgroupv@r
13173   \dimen\footinsv@l=5\footinsdim
13174   \count\footinsv@l=200\relax
13175   \bidi@make@fivecol@LTRfootgroup{v@l}%
13176   \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13177   \let\@mpfootnotetext\@mpFiveColfootnotetext
13178   \let\@mpLTRfootnotetext\@mpFiveColLTRfootnotetext
13179   \let\@mpRTLfootnotetext\@mpFiveColRTLfootnotetext
13180   \@bidi@after@Hy@hyperfootnotes
13181   \m@make@mpfivecol@footgroup{v@r}%
13182   \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13183   \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13184   \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13185   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13186 }
13187 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
13188   \if@RTL@footnote
13189     \footinsv@r
13190   \else

```



```

13191     \footinsv@l
13192     \fi
13193 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13194   \def\baselinestretch{\m@m@footnote@spacing}%
13195   \reset@font\foottextfont
13196   \@preamfntext
13197   \protected@edef\@currentlabel{%
13198     \csname p@footnote\endcsname\@thefnmark}%
13199   \color@begingroup
13200     \@fivecolfootfmt{#1}%
13201   \color@endgroup}%
13202   \m@mmf@prepare}
13203 \newcommand{\@FiveColFootnotetext}[1]{%
13204   \bidi@step@absolute@footnote@count
13205   \if@RTL@footnote
13206     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13207   \else
13208     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13209   \fi
13210   \global\setbox
13211   \if@RTL@footnote
13212     \footinsv@r
13213   \else
13214     \footinsv@l
13215   \fi
13216   \vbox{%
13217     \unvbox
13218     \if@RTL@footnote
13219       \footinsv@r
13220     \else
13221       \footinsv@l
13222     \fi
13223     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13224     \def\baselinestretch{\m@m@footnote@spacing}%
13225     \reset@font\foottextfont
13226     \@preamfntext
13227     \protected@edef\@currentlabel{%
13228       \csname p@footnote\endcsname\@thefnmark}%
13229     \color@begingroup
13230       \@fivecolfootfmt{#1}%
13231     \color@endgroup}%
13232     \m@mmf@prepare
13233   \if@RTL@footnote
13234     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13235   \else
13236     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13237   \fi
13238 }
13239 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13240   \def\baselinestretch{\m@m@footnote@spacing}%
13241   \reset@font\LTRfoottextfont
13242   \@preamfntext
13243   \protected@edef\@currentlabel{%
13244     \csname p@footnote\endcsname\@thefnmark}%

```



```

13245 \color@begingroup
13246   \@fivecolLTRfootfmt{#1}%
13247 \color@endgroup}%
13248 \m@mmf@prepare}
13249 \newcommand{\@FiveColLTRfootnotetext}[1]{%
13250   \bidi@step@absolute@footnote@count
13251   \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
13252   \global\setbox\footinsv@l\vbox{%
13253     \unvbox\footinsv@l
13254     \RTLfalse
13255     \def\baselinestretch{\m@mm@footnote@spacing}%
13256     \reset@font\LTRfoottextfont
13257     \@preamfntext
13258     \protected@edef\@currentlabel{%
13259       \csname p@footnote\endcsname\@thefnmark}%
13260     \color@begingroup
13261       \@fivecolLTRfootfmt{#1}%
13262     \color@endgroup}%
13263     \m@mmf@prepare
13264     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13265   }
13266 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13267   \def\baselinestretch{\m@mm@footnote@spacing}%
13268   \reset@font\RTLfoottextfont
13269   \@preamfntext
13270   \protected@edef\@currentlabel{%
13271     \csname p@footnote\endcsname\@thefnmark}%
13272   \color@begingroup
13273     \@fivecolRTLfootfmt{#1}%
13274   \color@endgroup}%
13275   \m@mmf@prepare}
13276 \newcommand{\@FiveColRTLfootnotetext}[1]{%
13277   \bidi@step@absolute@footnote@count
13278   \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13279   \global\setbox\footinsv@r\vbox{%
13280     \unvbox\footinsv@r
13281     \RTLtrue
13282     \def\baselinestretch{\m@mm@footnote@spacing}%
13283     \reset@font\RTLfoottextfont
13284     \@preamfntext
13285     \protected@edef\@currentlabel{%
13286       \csname p@footnote\endcsname\@thefnmark}%
13287     \color@begingroup
13288       \@fivecolRTLfootfmt{#1}%
13289     \color@endgroup}%
13290     \m@mmf@prepare
13291     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13292   }
13293 \bidi@ensure@newcommand{\@preamfivefmt}{%
13294   \hspace .2\hspace
13295   \parindent=\z@
13296   \tolerance=5000\relax
13297   \leavevmode}
13298 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%

```




```

13299 \@preamfivefmt
13300 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13301 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
13302 \@preamfivefmt
13303 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13304 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
13305 \@preamfivefmt
13306 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13307 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
13308 \global\setbox
13309 \if@RTL@footnote
13310 \@mpfootinsv@r
13311 \else
13312 \@mpfootinsv@l
13313 \fi
13314 \vbox{%
13315 \unvbox
13316 \if@RTL@footnote
13317 \@mpfootinsv@r
13318 \else
13319 \@mpfootinsv@l
13320 \fi
13321 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13322 \def\baselinestretch{\m@m@footnote@spacing}%
13323 \reset@font\foottextfont
13324 \hsize\columnwidth \@parboxrestore
13325 \protected@edef\@currentlabel{%
13326 \cename p@mpfootnote\endcsname\@thefnmark}%
13327 \color@begingroup
13328 \@fivecolfootfmt{#1}%
13329 \color@endgroup}%
13330 \m@m@mmf@prepare}
13331 \newcommand{\@mpFiveColfootnotetext}[1]{%
13332 \if@RTL@footnote
13333 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13334 \else
13335 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13336 \fi
13337 \global\setbox
13338 \if@RTL@footnote
13339 \@mpfootinsv@r
13340 \else
13341 \@mpfootinsv@l
13342 \fi
13343 \vbox{%
13344 \unvbox
13345 \if@RTL@footnote
13346 \@mpfootinsv@r
13347 \else
13348 \@mpfootinsv@l
13349 \fi
13350 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13351 \def\baselinestretch{\m@m@footnote@spacing}%
13352 \reset@font\foottextfont

```



```

13353 \hsize\columnwidth \@parboxrestore
13354 \protected@edef\@currentlabel{%
13355 \csname p@mpfootnote\endcsname\@thefnmark}%
13356 \color@begingroup
13357 \@fivecolfootfmt{#1}%
13358 \color@endgroup}%
13359 \m@mmf@prepare}
13360 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
13361 \global\setbox\@mpfootinsv@l\vbox{%
13362 \unvbox\@mpfootinsv@l
13363 \@RTLfalse
13364 \def\baselinestretch{\m@m@footnote@spacing}%
13365 \reset@font\LTRfoottextfont
13366 \hsize\columnwidth \@parboxrestore
13367 \protected@edef\@currentlabel{%
13368 \csname p@mpfootnote\endcsname\@thefnmark}%
13369 \color@begingroup
13370 \@fivecolLTRfootfmt{#1}%
13371 \color@endgroup}%
13372 \m@mmf@prepare}
13373 \newcommand{\@mpFiveColLTRfootnotetext}[1]{%
13374 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13375 \global\setbox\@mpfootinsv@l\vbox{%
13376 \unvbox\@mpfootinsv@l
13377 \@RTLfalse
13378 \def\baselinestretch{\m@m@footnote@spacing}%
13379 \reset@font\LTRfoottextfont
13380 \hsize\columnwidth \@parboxrestore
13381 \protected@edef\@currentlabel{%
13382 \csname p@mpfootnote\endcsname\@thefnmark}%
13383 \color@begingroup
13384 \@fivecolLTRfootfmt{#1}%
13385 \color@endgroup}%
13386 \m@mmf@prepare}
13387 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
13388 \global\setbox\@mpfootinsv@r\vbox{%
13389 \unvbox\@mpfootinsv@r
13390 \@RTLtrue
13391 \def\baselinestretch{\m@m@footnote@spacing}%
13392 \reset@font\RTLfoottextfont
13393 \hsize\columnwidth \@parboxrestore
13394 \protected@edef\@currentlabel{%
13395 \csname p@mpfootnote\endcsname\@thefnmark}%
13396 \color@begingroup
13397 \@fivecolRTLfootfmt{#1}%
13398 \color@endgroup}%
13399 \m@mmf@prepare}
13400 \newcommand{\@mpFiveColRTLfootnotetext}[1]{%
13401 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13402 \global\setbox\@mpfootinsv@r\vbox{%
13403 \unvbox\@mpfootinsv@r
13404 \@RTLtrue
13405 \def\baselinestretch{\m@m@footnote@spacing}%
13406 \reset@font\RTLfoottextfont

```



```

13407 \hsize\columnwidth \@parboxrestore
13408 \protected@edef\@currentlabel{%
13409 \csname p@mpfootnote\endcsname\@thefnmark}%
13410 \color@begingroup
13411 \@fivecolRTLfootfmt{#1}%
13412 \color@endgroup}%
13413 \m@mmf@prepare}
13414 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
13415 \@namedef{@fivecol@footgroup#1}{%
13416 \def\baselinestretch{\m@m@footnote@spacing}%
13417 \hsize\bidi@columnwidth
13418 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13419 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
13420 \newcommand{\bidi@make@fivecol@LTRfootgroup}[1]{%
13421 \@namedef{@fivecol@LTRfootgroup#1}{%
13422 \def\baselinestretch{\m@m@footnote@spacing}%
13423 \hsize\bidi@columnwidth
13424 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13425 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
13426 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
13427 \@namedef{@mpfivecol@footgroup#1}{%
13428 \def\baselinestretch{\m@m@footnote@spacing}%
13429 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13430 \m@mrigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
13431 \newcommand{\bidi@make@mpfivecol@LTRfootgroup}[1]{%
13432 \@namedef{@mpfivecol@LTRfootgroup#1}{%
13433 \def\baselinestretch{\m@m@footnote@spacing}%
13434 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13435 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
13436 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
13437 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13438 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13439 \@bidi@before@Hy@hyperfootnotes
13440 \let\@footnotetext\@sixcolfootnotetext
13441 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
13442 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
13443 \dimen\footinsv@r=6\footinsdim
13444 \count\footinsv@r=166\relax
13445 \m@make@sixcol@footgroup{v@r}%
13446 \let\@footgroupv@r\@sixcol@footgroupv@r
13447 \dimen\footinsv@l=6\footinsdim
13448 \count\footinsv@l=166\relax
13449 \bidi@make@sixcol@LTRfootgroup{v@l}%
13450 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13451 \let\@mpfootnotetext\@mpsixcolfootnotetext
13452 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
13453 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
13454 \@bidi@after@Hy@hyperfootnotes
13455 \m@make@mpsixcol@footgroup{v@r}%
13456 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13457 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13458 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13459 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13460 }

```



```

13461 \newcommand{\SixColumnFootnotes}{%
13462   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13463   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13464   \@bidi@before@Hy@hyperfootnotes
13465   \let\@footnotetext\@SixColfootnotetext
13466   \let\@LTRfootnotetext\@SixColLTRfootnotetext
13467   \let\@RTLfootnotetext\@SixColRTLfootnotetext
13468   \dimen\footinsv@r=6\footinsdim
13469   \count\footinsv@r=166\relax
13470   \m@make@sixcol@footgroup{v@r}%
13471   \let\@footgroupv@r\@sixcol@footgroupv@r
13472   \dimen\footinsv@l=6\footinsdim
13473   \count\footinsv@l=166\relax
13474   \bidi@make@sixcol@LTRfootgroup{v@l}%
13475   \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13476   \let\@mpfootnotetext\@mpSixColfootnotetext
13477   \let\@mpLTRfootnotetext\@mpSixColLTRfootnotetext
13478   \let\@mpRTLfootnotetext\@mpSixColRTLfootnotetext
13479   \@bidi@after@Hy@hyperfootnotes
13480   \m@make@mpsixcol@footgroup{v@r}%
13481   \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13482   \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13483   \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13484   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13485 }
13486 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
13487   \if@RTL@footnote
13488     \footinsv@r
13489   \else
13490     \footinsv@l
13491   \fi
13492 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13493   \def\baselinestretch{\m@mm@footnote@spacing}%
13494   \reset@font\foottextfont
13495   \@preamfntext
13496   \protected@edef\@currentlabel{%
13497     \csname p@footnote\endcsname\@thefnmark}%
13498   \color@begingroup
13499     \@sixcolfootfmt{#1}%
13500   \color@endgroup}%
13501   \m@mmf@prepare}
13502 \newcommand{\@SixColfootnotetext}[1]{%
13503   \bidi@step@absolute@footnote@count
13504   \if@RTL@footnote
13505     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13506   \else
13507     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13508   \fi
13509   \global\setbox
13510   \if@RTL@footnote
13511     \footinsv@r
13512   \else
13513     \footinsv@l
13514   \fi

```



```

13515 \vbox{%
13516   \unvbox
13517   \if@RTL@footnote
13518     \footinsv@r
13519   \else
13520     \footinsv@l
13521   \fi
13522   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13523   \def\baselinestretch{\m@m@footnote@spacing}%
13524   \reset@font\foottextfont
13525   \@preamfntext
13526   \protected@edef\@currentlabel{%
13527     \csname p@footnote\endcsname\@thefnmark}%
13528   \color@begingroup
13529     \@sixcolfootfmt{#1}%
13530   \color@endgroup}%
13531   \m@mmf@prepare
13532   \if@RTL@footnote
13533     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13534   \else
13535     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13536   \fi
13537 }
13538 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13539   \def\baselinestretch{\m@m@footnote@spacing}%
13540   \reset@font\LTRfoottextfont
13541   \@preamfntext
13542   \protected@edef\@currentlabel{%
13543     \csname p@footnote\endcsname\@thefnmark}%
13544   \color@begingroup
13545     \@sixcolLTRfootfmt{#1}%
13546   \color@endgroup}%
13547   \m@mmf@prepare}
13548 \newcommand{\@SixCoLLTRfootnotetext}[1]{%
13549   \bidi@step@absolute@footnote@count
13550   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13551   \global\setbox\footinsv@l\vbox{%
13552     \unvbox\footinsv@l
13553     \@RTLfalse
13554     \def\baselinestretch{\m@m@footnote@spacing}%
13555     \reset@font\LTRfoottextfont
13556     \@preamfntext
13557     \protected@edef\@currentlabel{%
13558       \csname p@footnote\endcsname\@thefnmark}%
13559     \color@begingroup
13560       \@sixcolLTRfootfmt{#1}%
13561     \color@endgroup}%
13562     \m@mmf@prepare
13563     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13564 }
13565 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13566   \def\baselinestretch{\m@m@footnote@spacing}%
13567   \reset@font\RTLfoottextfont
13568   \@preamfntext

```



```

13569 \protected@edef\@currentlabel{%
13570   \csname p@footnote\endcsname\@thefnmark}%
13571 \color@begingroup
13572   \@sixcolRTLfootfmt{#1}%
13573 \color@endgroup}%
13574 \m@mmf@prepare}
13575 \newcommand{\@SixColRTLfootnotetext}[1]{%
13576   \bidi@step@absolute@footnote@count
13577   \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
13578   \global\setbox\footinsv@r\vbox{%
13579     \unvbox\footinsv@r
13580     \@RTLtrue
13581     \def\baselinestretch{\m@m@footnote@spacing}%
13582     \reset@font\RTLfoottextfont
13583     \@premfntext
13584     \protected@edef\@currentlabel{%
13585       \csname p@footnote\endcsname\@thefnmark}%
13586     \color@begingroup
13587       \@sixcolRTLfootfmt{#1}%
13588     \color@endgroup}%
13589     \m@mmf@prepare
13590     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13591   }
13592 \bidi@ensure@newcommand{\@preamsixfmt}{%
13593   \hspace .16\hspace
13594   \parindent=\z@
13595   \tolerance=5000\relax
13596   \leavevmode}
13597 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
13598   \@preamsixfmt
13599   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13600 \bidi@ensure@newcommand{\@sixcollTRfootfmt}[1]{%
13601   \@preamsixfmt
13602   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13603 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
13604   \@preamsixfmt
13605   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13606 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{%
13607   \global\setbox
13608     \if@RTL@footnote
13609     \@mpfootinsv@r
13610   \else
13611     \@mpfootinsv@l
13612   \fi
13613   \vbox{%
13614     \unvbox
13615     \if@RTL@footnote
13616     \@mpfootinsv@r
13617   \else
13618     \@mpfootinsv@l
13619   \fi
13620   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13621   \def\baselinestretch{\m@m@footnote@spacing}%
13622   \reset@font\foottextfont

```



```

13623 \hsize\columnwidth \@parboxrestore
13624 \protected@edef\@currentlabel{%
13625 \csname p@mpfootnote\endcsname\@thefnmark}%
13626 \color@begingroup
13627 \@sixcolfootfmt{#1}%
13628 \color@endgroup}%
13629 \m@mmf@prepare}
13630 \newcommand{\@mpSixColfootnotetext}[1]{%
13631 \if@RTL@footnote
13632 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13633 \else
13634 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13635 \fi
13636 \global\setbox
13637 \if@RTL@footnote
13638 \@mpfootinsv@r
13639 \else
13640 \@mpfootinsv@l
13641 \fi
13642 \vbox{%
13643 \unvbox
13644 \if@RTL@footnote
13645 \@mpfootinsv@r
13646 \else
13647 \@mpfootinsv@l
13648 \fi
13649 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13650 \def\baselinestretch{\m@m@footnote@spacing}%
13651 \reset@font\foottextfont
13652 \hsize\columnwidth \@parboxrestore
13653 \protected@edef\@currentlabel{%
13654 \csname p@mpfootnote\endcsname\@thefnmark}%
13655 \color@begingroup
13656 \@sixcolfootfmt{#1}%
13657 \color@endgroup}%
13658 \m@mmf@prepare}
13659 \bidi@ensure@newcommand{\@mpsixcollTRfootnotetext}[1]{%
13660 \global\setbox\@mpfootinsv@l\vbox{%
13661 \unvbox\@mpfootinsv@l
13662 \@RTLfalse
13663 \def\baselinestretch{\m@m@footnote@spacing}%
13664 \reset@font\LTRfoottextfont
13665 \hsize\columnwidth \@parboxrestore
13666 \protected@edef\@currentlabel{%
13667 \csname p@mpfootnote\endcsname\@thefnmark}%
13668 \color@begingroup
13669 \@sixcollTRfootfmt{#1}%
13670 \color@endgroup}%
13671 \m@mmf@prepare}
13672 \newcommand{\@mpSixCollTRfootnotetext}[1]{%
13673 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13674 \global\setbox\@mpfootinsv@l\vbox{%
13675 \unvbox\@mpfootinsv@l
13676 \@RTLfalse

```



```

13677 \def\baselinestretch{\m@m@footnote@spacing}%
13678 \reset@font\LTRfoottextfont
13679 \hsize\columnwidth \@parboxrestore
13680 \protected@edef\@currentlabel{%
13681 \csname p@mpfootnote\endcsname\@thefnmark}%
13682 \color@begingroup
13683 \@sixcolLTRfootfmt{#1}%
13684 \color@endgroup}%
13685 \m@mmf@prepare}
13686 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{%
13687 \global\setbox\@mpfootinsv@r\vbox{%
13688 \unvbox\@mpfootinsv@r
13689 \RTLtrue
13690 \def\baselinestretch{\m@m@footnote@spacing}%
13691 \reset@font\RTLfoottextfont
13692 \hsize\columnwidth \@parboxrestore
13693 \protected@edef\@currentlabel{%
13694 \csname p@mpfootnote\endcsname\@thefnmark}%
13695 \color@begingroup
13696 \@sixcolRTLfootfmt{#1}%
13697 \color@endgroup}%
13698 \m@mmf@prepare}
13699 \newcommand{\@mpSixColRTLfootnotetext}[1]{%
13700 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13701 \global\setbox\@mpfootinsv@r\vbox{%
13702 \unvbox\@mpfootinsv@r
13703 \RTLtrue
13704 \def\baselinestretch{\m@m@footnote@spacing}%
13705 \reset@font\RTLfoottextfont
13706 \hsize\columnwidth \@parboxrestore
13707 \protected@edef\@currentlabel{%
13708 \csname p@mpfootnote\endcsname\@thefnmark}%
13709 \color@begingroup
13710 \@sixcolRTLfootfmt{#1}%
13711 \color@endgroup}%
13712 \m@mmf@prepare}
13713 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
13714 \@namedef{@sixcol@footgroup#1}{%
13715 \def\baselinestretch{\m@m@footnote@spacing}%
13716 \hsize\bidi@columnwidth
13717 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13718 \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
13719 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
13720 \@namedef{@sixcol@LTRfootgroup#1}{%
13721 \def\baselinestretch{\m@m@footnote@spacing}%
13722 \hsize\bidi@columnwidth
13723 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13724 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
13725 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
13726 \@namedef{@mpsixcol@footgroup#1}{%
13727 \def\baselinestretch{\m@m@footnote@spacing}%
13728 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13729 \m@mrigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}}
13730 \newcommand{\bidi@make@mpsixcol@LTRfootgroup}[1]{%

```




```

13731 \@namedef{@mpsixel@LTRfootgroup#1}{%
13732 \def\baselinestretch{\m@footnote@spacing}%
13733 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13734 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}
13735 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
13736 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13737 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13738 \@bidi@before@Hy@hyperfootnotes
13739 \let\@footnotetext\@sevendcolfootnotetext
13740 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
13741 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
13742 \dimen\footinsv@r=7\footinsdim
13743 \count\footinsv@r=142\relax
13744 \m@make@sevendcol@footgroup{v@r}%
13745 \let\@footgroupv@r\@sevendcol@footgroupv@r
13746 \dimen\footinsv@l=7\footinsdim
13747 \count\footinsv@l=142\relax
13748 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13749 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13750 \let\@mpfootnotetext\@mpsevendcolfootnotetext
13751 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
13752 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
13753 \@bidi@after@Hy@hyperfootnotes
13754 \m@make@mpsevendcol@footgroup{v@r}%
13755 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13756 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13757 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13758 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13759 }
13760 \newcommand{\SevenColumnFootnotes}{%
13761 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13762 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13763 \@bidi@before@Hy@hyperfootnotes
13764 \let\@footnotetext\@SevenColfootnotetext
13765 \let\@LTRfootnotetext\@SevenColLTRfootnotetext
13766 \let\@RTLfootnotetext\@SevenColRTLfootnotetext
13767 \dimen\footinsv@r=7\footinsdim
13768 \count\footinsv@r=142\relax
13769 \m@make@sevendcol@footgroup{v@r}%
13770 \let\@footgroupv@r\@sevendcol@footgroupv@r
13771 \dimen\footinsv@l=7\footinsdim
13772 \count\footinsv@l=142\relax
13773 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13774 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13775 \let\@mpfootnotetext\@mpSevenColfootnotetext
13776 \let\@mpLTRfootnotetext\@mpSevenColLTRfootnotetext
13777 \let\@mpRTLfootnotetext\@mpSevenColRTLfootnotetext
13778 \@bidi@after@Hy@hyperfootnotes
13779 \m@make@mpsevendcol@footgroup{v@r}%
13780 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13781 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13782 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13783 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13784 }

```



```

13785 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert
13786   \if@RTL@footnote
13787     \footinsv@r
13788   \else
13789     \footinsv@l
13790   \fi
13791 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13792 \def\baselinestretch{\m@m@footnote@spacing}%
13793 \reset@font\foottextfont
13794 \@preamfntext
13795 \protected@edef\@currentlabel{%
13796   \csname p@footnote\endcsname\@thefnmark}%
13797 \color@begingroup
13798   \@sevendcolfootfmt{#1}%
13799 \color@endgroup}%
13800 \m@mmf@prepare}
13801 \newcommand{\@SevenColfootnotetext}[1]{%
13802 \bidi@step@absolute@footnote@count
13803 \if@RTL@footnote
13804   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13805 \else
13806   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13807 \fi
13808 \global\setbox
13809 \if@RTL@footnote
13810   \footinsv@r
13811 \else
13812   \footinsv@l
13813 \fi
13814 \vbox{%
13815 \unvbox
13816 \if@RTL@footnote
13817   \footinsv@r
13818 \else
13819   \footinsv@l
13820 \fi
13821 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13822 \def\baselinestretch{\m@m@footnote@spacing}%
13823 \reset@font\foottextfont
13824 \@preamfntext
13825 \protected@edef\@currentlabel{%
13826   \csname p@footnote\endcsname\@thefnmark}%
13827 \color@begingroup
13828   \@sevendcolfootfmt{#1}%
13829 \color@endgroup}%
13830 \m@mmf@prepare
13831 \if@RTL@footnote
13832   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13833 \else
13834   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13835 \fi
13836 }
13837 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13838 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

13839 \reset@font\LTRfoottextfont
13840 \@preamfntext
13841 \protected@edef\@currentlabel{%
13842   \csname p@footnote\endcsname\@thefnmark}%
13843 \color@begingroup
13844   \@sevenscolLTRfootfmt{#1}%
13845 \color@endgroup}%
13846 \m@mmf@prepare}
13847 \newcommand{\@SevenCollTRfootnotetext}[1]{%
13848   \bidi@step@absolutefootnote@count
13849   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13850   \global\setbox\footinsv@l\vbox{%
13851     \unvbox\footinsv@l
13852     \RTLfalse
13853   \def\baselinestretch{\m@m@footnote@spacing}%
13854   \reset@font\LTRfoottextfont
13855   \@preamfntext
13856   \protected@edef\@currentlabel{%
13857     \csname p@footnote\endcsname\@thefnmark}%
13858   \color@begingroup
13859     \@sevenscolLTRfootfmt{#1}%
13860   \color@endgroup}%
13861   \m@mmf@prepare
13862   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13863 }
13864 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13865   \def\baselinestretch{\m@m@footnote@spacing}%
13866   \reset@font\RTLfoottextfont
13867   \@preamfntext
13868   \protected@edef\@currentlabel{%
13869     \csname p@footnote\endcsname\@thefnmark}%
13870   \color@begingroup
13871     \@sevenscolRTLfootfmt{#1}%
13872   \color@endgroup}%
13873   \m@mmf@prepare}
13874 \newcommand{\@SevenColRTLfootnotetext}[1]{%
13875   \bidi@step@absolutefootnote@count
13876   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13877   \global\setbox\footinsv@r\vbox{%
13878     \unvbox\footinsv@r
13879     \RTLtrue
13880   \def\baselinestretch{\m@m@footnote@spacing}%
13881   \reset@font\RTLfoottextfont
13882   \@preamfntext
13883   \protected@edef\@currentlabel{%
13884     \csname p@footnote\endcsname\@thefnmark}%
13885   \color@begingroup
13886     \@sevenscolRTLfootfmt{#1}%
13887   \color@endgroup}%
13888   \m@mmf@prepare
13889   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13890 }
13891 \bidi@ensure@newcommand{\@preamsevenfmt}{%
13892   \hspace .142\hspace

```



```

13893 \parindent=\z@
13894 \tolerance=5000\relax
13895 \leavevmode}
13896 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
13897 \@preamsevenfmt
13898 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13899 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
13900 \@preamsevenfmt
13901 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13902 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
13903 \@preamsevenfmt
13904 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13905 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{%
13906 \global\setbox
13907 \if@RTL@footnote
13908 \@mpfootinsv@r
13909 \else
13910 \@mpfootinsv@l
13911 \fi
13912 \vbox{%
13913 \unvbox
13914 \if@RTL@footnote
13915 \@mpfootinsv@r
13916 \else
13917 \@mpfootinsv@l
13918 \fi
13919 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13920 \def\baselinestretch{\m@m@footnote@spacing}%
13921 \reset@font\foottextfont
13922 \hsize\columnwidth \@parboxrestore
13923 \protected@edef\@currentlabel{%
13924 \csname p@mpfootnote\endcsname\@thefnmark}%
13925 \color@begingroup
13926 \@sevenscolfootfmt{#1}%
13927 \color@endgroup}%
13928 \m@m@mmf@prepare}
13929 \newcommand{\@mpSevenColfootnotetext}[1]{%
13930 \if@RTL@footnote
13931 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13932 \else
13933 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13934 \fi
13935 \global\setbox
13936 \if@RTL@footnote
13937 \@mpfootinsv@r
13938 \else
13939 \@mpfootinsv@l
13940 \fi
13941 \vbox{%
13942 \unvbox
13943 \if@RTL@footnote
13944 \@mpfootinsv@r
13945 \else
13946 \@mpfootinsv@l

```



```

13947 \fi
13948 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
13949 \def\baselinestretch{\m@m@footnote@spacing}%
13950 \reset@font\foottextfont
13951 \hsize\columnwidth \@parboxrestore
13952 \protected@edef\@currentlabel{%
13953 \csname p@mpfootnote\endcsname\@thefnmark}%
13954 \color@begingroup
13955 \@sevenscolfootfmt{#1}%
13956 \color@endgroup}%
13957 \m@mmf@prepare}
13958 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{%
13959 \global\setbox\@mpfootinsv@1\vbox{%
13960 \unvbox\@mpfootinsv@1
13961 \@RTLfalse
13962 \def\baselinestretch{\m@m@footnote@spacing}%
13963 \reset@font\LTRfoottextfont
13964 \hsize\columnwidth \@parboxrestore
13965 \protected@edef\@currentlabel{%
13966 \csname p@mpfootnote\endcsname\@thefnmark}%
13967 \color@begingroup
13968 \@sevenscolLTRfootfmt{#1}%
13969 \color@endgroup}%
13970 \m@mmf@prepare}
13971 \newcommand{\@mpSevenColLTRfootnotetext}[1]{%
13972 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13973 \global\setbox\@mpfootinsv@1\vbox{%
13974 \unvbox\@mpfootinsv@1
13975 \@RTLfalse
13976 \def\baselinestretch{\m@m@footnote@spacing}%
13977 \reset@font\LTRfoottextfont
13978 \hsize\columnwidth \@parboxrestore
13979 \protected@edef\@currentlabel{%
13980 \csname p@mpfootnote\endcsname\@thefnmark}%
13981 \color@begingroup
13982 \@sevenscolLTRfootfmt{#1}%
13983 \color@endgroup}%
13984 \m@mmf@prepare}
13985 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{%
13986 \global\setbox\@mpfootinsv@r\vbox{%
13987 \unvbox\@mpfootinsv@r
13988 \@RTLtrue
13989 \def\baselinestretch{\m@m@footnote@spacing}%
13990 \reset@font\RTLfoottextfont
13991 \hsize\columnwidth \@parboxrestore
13992 \protected@edef\@currentlabel{%
13993 \csname p@mpfootnote\endcsname\@thefnmark}%
13994 \color@begingroup
13995 \@sevenscolRTLfootfmt{#1}%
13996 \color@endgroup}%
13997 \m@mmf@prepare}
13998 \newcommand{\@mpSevenColRTLfootnotetext}[1]{%
13999 \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
14000 \global\setbox\@mpfootinsv@r\vbox{%

```



```

14001 \unvbox\@mpfootinsv@r
14002 \@RTLtrue
14003 \def\baselinestretch{\m@m@footnote@spacing}%
14004 \reset@font\RTLfoottextfont
14005 \hsize\columnwidth \@parboxrestore
14006 \protected@edef\@currentlabel{%
14007 \csname p@mpfootnote\endcsname\@thefnmark}%
14008 \color@begingroup
14009 \@sevenscolRTLfootfmt{#1}%
14010 \color@endgroup}%
14011 \m@mmf@prepare}
14012 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
14013 \@namedef{@sevenscol@footgroup#1}{%
14014 \def\baselinestretch{\m@m@footnote@spacing}%
14015 \hsize\bidi@columnwidth
14016 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14017 \m@r@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
14018 \newcommand{\bidi@make@sevenscol@LTRfootgroup}[1]{%
14019 \@namedef{@sevenscol@LTRfootgroup#1}{%
14020 \def\baselinestretch{\m@m@footnote@spacing}%
14021 \hsize\bidi@columnwidth
14022 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14023 \bidi@LTR@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
14024 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
14025 \@namedef{@mpsevenscol@footgroup#1}{%
14026 \def\baselinestretch{\m@m@footnote@spacing}%
14027 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14028 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}}}
14029 \newcommand{\bidi@make@mpsevenscol@LTRfootgroup}[1]{%
14030 \@namedef{@mpsevenscol@LTRfootgroup#1}{%
14031 \def\baselinestretch{\m@m@footnote@spacing}%
14032 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14033 \bidi@LTR@rigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}}}
14034 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
14035 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14036 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14037 \@bidi@before@Hy@hyperfootnotes
14038 \let\@footnotetext\@eightcolfootnotetext
14039 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
14040 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
14041 \dimen\footinsv@r=8\footinsdim
14042 \count\footinsv@r=125\relax
14043 \m@make@eightcol@footgroup{v@r}%
14044 \let\@footgroupv@r\@eightcol@footgroupv@r
14045 \dimen\footinsv@l=8\footinsdim
14046 \count\footinsv@l=125\relax
14047 \bidi@make@eightcol@LTRfootgroup{v@l}%
14048 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
14049 \let\@mpfootnotetext\@mpeightcolfootnotetext
14050 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
14051 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
14052 \@bidi@after@Hy@hyperfootnotes
14053 \m@make@mpeightcol@footgroup{v@r}%
14054 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r

```



```

14055 \bidi@make@eightcol@LTRfootgroup{v@1}%
14056 \let@mp@LTRfootgroupv@1@eightcol@LTRfootgroupv@1
14057 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14058 }
14059 \newcommand{\EightColumnFootnotes}{%
14060 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14061 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14062 \@bidi@before@Hy@hyperfootnotes
14063 \let@footnotetext@EightColfootnotetext
14064 \let@LTRfootnotetext@EightColLTRfootnotetext
14065 \let@RTLfootnotetext@EightColRTLfootnotetext
14066 \dimen\footinsv@r=8\footinsdim
14067 \count\footinsv@r=125\relax
14068 \m@make@eightcol@footgroup{v@r}%
14069 \let@footgroupv@r@eightcol@footgroupv@r
14070 \dimen\footinsv@l=8\footinsdim
14071 \count\footinsv@l=125\relax
14072 \bidi@make@eightcol@LTRfootgroup{v@1}%
14073 \let@LTRfootgroupv@1@eightcol@LTRfootgroupv@1
14074 \let@mpfootnotetext@mpEightColfootnotetext
14075 \let@mpLTRfootnotetext@mpEightColLTRfootnotetext
14076 \let@mpRTLfootnotetext@mpEightColRTLfootnotetext
14077 \@bidi@after@Hy@hyperfootnotes
14078 \m@make@eightcol@footgroup{v@r}%
14079 \let@mp@footgroupv@r@eightcol@footgroupv@r
14080 \bidi@make@eightcol@LTRfootgroup{v@1}%
14081 \let@mp@LTRfootgroupv@1@eightcol@LTRfootgroupv@1
14082 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14083 }
14084 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert
14085 \if@RTL@footnote
14086 \footinsv@r
14087 \else
14088 \footinsv@l
14089 \fi
14090 {\if@RTL@footnote\RTLtrue\else\RTLfalse\fi%
14091 \def\baselinestretch{\m@m@footnote@spacing}%
14092 \reset@font\foottextfont
14093 \@preamfntext
14094 \protected@edef\@currentlabel{%
14095 \csname p@footnote\endcsname\@thefnmark}%
14096 \color@begingroup
14097 \@eightcolfootfmt{#1}%
14098 \color@endgroup}%
14099 \m@mmf@prepare}
14100 \newcommand{\@EightColfootnotetext}[1]{%
14101 \bidi@step@absolute@footnote@count
14102 \if@RTL@footnote
14103 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@1
14104 \else
14105 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14106 \fi
14107 \global\setbox
14108 \if@RTL@footnote

```



```

14109   \footinsv@r
14110   \else
14111     \footinsv@l
14112     \fi
14113 \vbox{%
14114   \unvbox
14115   \if@RTL@footnote
14116     \footinsv@r
14117   \else
14118     \footinsv@l
14119   \fi
14120   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14121   \def\baselinestretch{\m@m@footnote@spacing}%
14122   \reset@font\foottextfont
14123   \@preamfntext
14124   \protected@edef\@currentlabel{%
14125     \csname p@footnote\endcsname\@thefnmark}%
14126   \color@begingroup
14127     \@eightcolfootfmt{#1}%
14128   \color@endgroup}%
14129   \m@mmf@prepare
14130   \if@RTL@footnote
14131     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14132   \else
14133     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14134   \fi
14135 }
14136 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14137   \def\baselinestretch{\m@m@footnote@spacing}%
14138   \reset@font\LTRfoottextfont
14139   \@preamfntext
14140   \protected@edef\@currentlabel{%
14141     \csname p@footnote\endcsname\@thefnmark}%
14142   \color@begingroup
14143     \@eightcolLTRfootfmt{#1}%
14144   \color@endgroup}%
14145   \m@mmf@prepare}
14146 \newcommand{\@EightCollTRfootnotetext}[1]{%
14147   \bidi@step@absolute@footnote@count
14148   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14149   \global\setbox\footinsv@l\vbox{%
14150     \unvbox\footinsv@l
14151     \@RTLfalse
14152     \def\baselinestretch{\m@m@footnote@spacing}%
14153     \reset@font\LTRfoottextfont
14154     \@preamfntext
14155     \protected@edef\@currentlabel{%
14156       \csname p@footnote\endcsname\@thefnmark}%
14157     \color@begingroup
14158       \@eightcolLTRfootfmt{#1}%
14159     \color@endgroup}%
14160     \m@mmf@prepare
14161     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14162 }

```




```

14163 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14164 \def\baselinestretch{\m@m@footnote@spacing}%
14165 \reset@font\RTLfoottextfont
14166 \@preamfntext
14167 \protected@edef\@currentlabel{%
14168 \csname p@footnote\endcsname\@thefnmark}%
14169 \color@begingroup
14170 \@eightcolRTLfootfmt{#1}%
14171 \color@endgroup}%
14172 \m@mmf@prepare}
14173 \newcommand{\@EightColRTLfootnotetext}[1]{%
14174 \bidi@step@absolute@footnote@count
14175 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14176 \global\setbox\footinsv@r\vbox{%
14177 \unvbox\footinsv@r
14178 \@RTLtrue%
14179 \def\baselinestretch{\m@m@footnote@spacing}%
14180 \reset@font\RTLfoottextfont
14181 \@preamfntext
14182 \protected@edef\@currentlabel{%
14183 \csname p@footnote\endcsname\@thefnmark}%
14184 \color@begingroup
14185 \@eightcolRTLfootfmt{#1}%
14186 \color@endgroup}%
14187 \m@mmf@prepare
14188 \bidi@reinsert@final@footnote@perpage\footinsv@r\@footstartv@r\@footgroupv@r
14189 }
14190 \bidi@ensure@newcommand{\@preameightfmt}{%
14191 \hspace .125\hspace
14192 \parindent=\z@
14193 \tolerance=5000\relax
14194 \leavevmode}
14195 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
14196 \@preameightfmt
14197 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14198 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
14199 \@preameightfmt
14200 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14201 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
14202 \@preameightfmt
14203 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14204 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
14205 \global\setbox
14206 \if@RTL@footnote
14207 \mpfootinsv@r
14208 \else
14209 \mpfootinsv@l
14210 \fi
14211 \vbox{%
14212 \unvbox
14213 \if@RTL@footnote
14214 \mpfootinsv@r
14215 \else
14216 \mpfootinsv@l

```



```

14217 \fi
14218 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14219 \def\baselinestretch{\m@m@footnote@spacing}%
14220 \reset@font\foottextfont
14221 \hsize\columnwidth \@parboxrestore
14222 \protected@edef\@currentlabel{%
14223 \csname p@mpfootnote\endcsname\@thefnmark}%
14224 \color@begingroup
14225 \@eightcolfootfmt{#1}%
14226 \color@endgroup}%
14227 \m@m@mmf@prepare}
14228 \newcommand{\@mpEightColfootnotetext}[1]{%
14229 \if@RTL@footnote
14230 \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
14231 \else
14232 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14233 \fi
14234 \global\setbox
14235 \if@RTL@footnote
14236 \@mpfootinsv@r
14237 \else
14238 \@mpfootinsv@l
14239 \fi
14240 \vbox{%
14241 \unvbox
14242 \if@RTL@footnote
14243 \@mpfootinsv@r
14244 \else
14245 \@mpfootinsv@l
14246 \fi
14247 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14248 \def\baselinestretch{\m@m@footnote@spacing}%
14249 \reset@font\foottextfont
14250 \hsize\columnwidth \@parboxrestore
14251 \protected@edef\@currentlabel{%
14252 \csname p@mpfootnote\endcsname\@thefnmark}%
14253 \color@begingroup
14254 \@eightcolfootfmt{#1}%
14255 \color@endgroup}%
14256 \m@m@mmf@prepare}
14257 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
14258 \global\setbox\@mpfootinsv@1\vbox{%
14259 \unvbox\@mpfootinsv@1
14260 \@RTLfalse
14261 \def\baselinestretch{\m@m@footnote@spacing}%
14262 \reset@font\LTRfoottextfont
14263 \hsize\columnwidth \@parboxrestore
14264 \protected@edef\@currentlabel{%
14265 \csname p@mpfootnote\endcsname\@thefnmark}%
14266 \color@begingroup
14267 \@eightcolLTRfootfmt{#1}%
14268 \color@endgroup}%
14269 \m@m@mmf@prepare}
14270 \newcommand{\@mpEightColLTRfootnotetext}[1]{%

```



```

14271 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14272 \global\setbox\@mpfootinsv@l\vbox{%
14273   \unvbox\@mpfootinsv@l
14274   \RTLfalse
14275   \def\baselinestretch{\m@m@footnote@spacing}%
14276   \reset@font\LTRfoottextfont
14277   \hsize\columnwidth \@parboxrestore
14278   \protected@edef\@currentlabel{%
14279     \csname p@mpfootnote\endcsname\@thefnmark}%
14280   \color@begingroup
14281     \@eightcolLTRfootfmt{#1}%
14282   \color@endgroup}%
14283   \m@m@mmf@prepare}
14284 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
14285   \global\setbox\@mpfootinsv@r\vbox{%
14286     \unvbox\@mpfootinsv@r
14287     \RTLtrue
14288     \def\baselinestretch{\m@m@footnote@spacing}%
14289     \reset@font\RTLfoottextfont
14290     \hsize\columnwidth \@parboxrestore
14291     \protected@edef\@currentlabel{%
14292       \csname p@mpfootnote\endcsname\@thefnmark}%
14293     \color@begingroup
14294       \@eightcolRTLfootfmt{#1}%
14295     \color@endgroup}%
14296     \m@m@mmf@prepare}
14297 \newcommand{\@mpEightColRTLfootnotetext}[1]{%
14298   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14299   \global\setbox\@mpfootinsv@r\vbox{%
14300     \unvbox\@mpfootinsv@r
14301     \RTLtrue
14302     \def\baselinestretch{\m@m@footnote@spacing}%
14303     \reset@font\RTLfoottextfont
14304     \hsize\columnwidth \@parboxrestore
14305     \protected@edef\@currentlabel{%
14306       \csname p@mpfootnote\endcsname\@thefnmark}%
14307     \color@begingroup
14308       \@eightcolRTLfootfmt{#1}%
14309     \color@endgroup}%
14310     \m@m@mmf@prepare}
14311 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
14312   \@namedef{@eightcol@footgroup#1}{%
14313     \def\baselinestretch{\m@m@footnote@spacing}%
14314     \hsize\bidi@columnwidth
14315     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14316     \m@m@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14317 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%
14318   \@namedef{@eightcol@LTRfootgroup#1}{%
14319     \def\baselinestretch{\m@m@footnote@spacing}%
14320     \hsize\bidi@columnwidth
14321     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14322     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14323 \bidi@ensure@newcommand{\m@make@mpEightCol@footgroup}[1]{%
14324   \@namedef{@mpEightCol@footgroup#1}{%

```



```

14325 \def\baselinestretch{\m@footnote@spacing}%
14326 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14327 \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}
14328 \newcommand{\bidi@make@mpheightcol@LTRfootgroup}[1]{%
14329 \@namedef{@mpheightcol@LTRfootgroup#1}{%
14330 \def\baselinestretch{\m@footnote@spacing}%
14331 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14332 \bidi@LTRrigrigidbodybalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}
14333 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
14334 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14335 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14336 \@bidi@before@Hy@hyperfootnotes
14337 \let@footnotetext@NineColfootnotetext
14338 \let@LTRfootnotetext@NineColLTRfootnotetext
14339 \let@RTLfootnotetext@NineColRTLfootnotetext
14340 \dimen\footinsv@r=9\footinsdim
14341 \count\footinsv@r=111\relax
14342 \m@make@ninecol@footgroup{v@r}%
14343 \let@footgroupv@r@NineCol@footgroupv@r
14344 \dimen\footinsv@l=9\footinsdim
14345 \count\footinsv@l=111\relax
14346 \bidi@make@ninecol@LTRfootgroup{v@l}%
14347 \let@LTRfootgroupv@l@NineCol@LTRfootgroupv@l
14348 \let@mpfootnotetext@mpninecolfootnotetext
14349 \let@mpLTRfootnotetext@mpninecolLTRfootnotetext
14350 \let@mpRTLfootnotetext@mpninecolRTLfootnotetext
14351 \@bidi@after@Hy@hyperfootnotes
14352 \m@make@mpninecol@footgroup{v@r}%
14353 \let@mp@footgroupv@r@mpninecol@footgroupv@r
14354 \bidi@make@mpninecol@LTRfootgroup{v@l}%
14355 \let@mp@LTRfootgroupv@l@mpninecol@LTRfootgroupv@l
14356 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14357 }
14358 \newcommand{\NineColumnFootnotes}{%
14359 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14360 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14361 \@bidi@before@Hy@hyperfootnotes
14362 \let@footnotetext@NineColfootnotetext
14363 \let@LTRfootnotetext@NineColLTRfootnotetext
14364 \let@RTLfootnotetext@NineColRTLfootnotetext
14365 \dimen\footinsv@r=9\footinsdim
14366 \count\footinsv@r=111\relax
14367 \m@make@ninecol@footgroup{v@r}%
14368 \let@footgroupv@r@NineCol@footgroupv@r
14369 \dimen\footinsv@l=9\footinsdim
14370 \count\footinsv@l=111\relax
14371 \bidi@make@ninecol@LTRfootgroup{v@l}%
14372 \let@LTRfootgroupv@l@NineCol@LTRfootgroupv@l
14373 \let@mpfootnotetext@mpNineColfootnotetext
14374 \let@mpLTRfootnotetext@mpNineColLTRfootnotetext
14375 \let@mpRTLfootnotetext@mpNineColRTLfootnotetext
14376 \@bidi@after@Hy@hyperfootnotes
14377 \m@make@mpninecol@footgroup{v@r}%
14378 \let@mp@footgroupv@r@mpninecol@footgroupv@r

```



```

14379 \bidi@make@mpnincol@LTRfootgroup{v@1}%
14380 \let\mp@LTRfootgroupv@1\@mpnincol@LTRfootgroupv@1
14381 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14382 }
14383 \bidi@ensure@newcommand{\@nincolfootnotetext}[1]{\insert
14384 \ifRTL@footnote
14385 \footinsv@r
14386 \else
14387 \footinsv@l
14388 \fi
14389 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14390 \def\baselinestretch{\m@footnote@spacing}%
14391 \reset@font\foottextfont
14392 \@preamfntext
14393 \protected@edef\@currentlabel{%
14394 \csname p@footnote\endcsname\@thefnmark}%
14395 \color@begingroup
14396 \@nincolfootfmt{#1}%
14397 \color@endgroup}%
14398 \m@mmf@prepare}
14399 \newcommand{\@NineColfootnotetext}[1]{%
14400 \bidi@step@absolute@footnote@count
14401 \ifRTL@footnote
14402 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@1
14403 \else
14404 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14405 \fi
14406 \global\setbox
14407 \ifRTL@footnote
14408 \footinsv@r
14409 \else
14410 \footinsv@l
14411 \fi
14412 \vbox{%
14413 \unvbox
14414 \ifRTL@footnote
14415 \footinsv@r
14416 \else
14417 \footinsv@l
14418 \fi
14419 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14420 \def\baselinestretch{\m@footnote@spacing}%
14421 \reset@font\foottextfont
14422 \@preamfntext
14423 \protected@edef\@currentlabel{%
14424 \csname p@footnote\endcsname\@thefnmark}%
14425 \color@begingroup
14426 \@nincolfootfmt{#1}%
14427 \color@endgroup}%
14428 \m@mmf@prepare
14429 \ifRTL@footnote
14430 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14431 \else
14432 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@1

```



```

14433 \fi
14434 }
14435 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14436 \def\baselinestretch{\m@m@footnote@spacing}%
14437 \reset@font\LTRfoottextfont
14438 \@preamfntext
14439 \protected@edef\@currentlabel{%
14440 \csname p@footnote\endcsname\@thefnmark}%
14441 \color@begingroup
14442 \@ninecolLTRfootfmt{#1}%
14443 \color@endgroup}%
14444 \m@mmf@prepare}
14445 \newcommand{\@NineColLTRfootnotetext}[1]{%
14446 \bidi@step@absolute@footnote@count
14447 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
14448 \global\setbox\footinsv@l\vbox{%
14449 \unvbox\footinsv@l
14450 \@RTLfalse
14451 \def\baselinestretch{\m@m@footnote@spacing}%
14452 \reset@font\LTRfoottextfont
14453 \@preamfntext
14454 \protected@edef\@currentlabel{%
14455 \csname p@footnote\endcsname\@thefnmark}%
14456 \color@begingroup
14457 \@ninecolLTRfootfmt{#1}%
14458 \color@endgroup}%
14459 \m@mmf@prepare
14460 \bidi@reinsert@final@footnote@perpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14461 }
14462 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14463 \def\baselinestretch{\m@m@footnote@spacing}%
14464 \reset@font\RTLfoottextfont
14465 \@preamfntext
14466 \protected@edef\@currentlabel{%
14467 \csname p@footnote\endcsname\@thefnmark}%
14468 \color@begingroup
14469 \@ninecolRTLfootfmt{#1}%
14470 \color@endgroup}%
14471 \m@mmf@prepare}
14472 \newcommand{\@NineColRTLfootnotetext}[1]{%
14473 \bidi@step@absolute@footnote@count
14474 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14475 \global\setbox\footinsv@r\vbox{%
14476 \unvbox\footinsv@r
14477 \@RTLtrue
14478 \def\baselinestretch{\m@m@footnote@spacing}%
14479 \reset@font\RTLfoottextfont
14480 \@preamfntext
14481 \protected@edef\@currentlabel{%
14482 \csname p@footnote\endcsname\@thefnmark}%
14483 \color@begingroup
14484 \@ninecolRTLfootfmt{#1}%
14485 \color@endgroup}%
14486 \m@mmf@prepare

```



```

14487 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14488 }
14489 \bidi@ensure@newcommand{\@preamninefmt}{%
14490 \hspace .1\hspace
14491 \parindent=\z@
14492 \tolerance=5000\relax
14493 \leavevmode}
14494 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
14495 \@preamninefmt
14496 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14497 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
14498 \@preamninefmt
14499 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14500 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
14501 \@preamninefmt
14502 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14503 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
14504 \global\setbox
14505 \if@RTL@footnote
14506 \@mpfootinsv@r
14507 \else
14508 \@mpfootinsv@l
14509 \fi
14510 \vbox{%
14511 \unvbox
14512 \if@RTL@footnote
14513 \@mpfootinsv@r
14514 \else
14515 \@mpfootinsv@l
14516 \fi
14517 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14518 \def\baselinestretch{\m@m@footnote@spacing}%
14519 \reset@font\foottextfont
14520 \hspace\columnwidth \@parboxrestore
14521 \protected@edef\@currentlabel{%
14522 \csname p@mpfootnote\endcsname\@thefnmark}%
14523 \color@begingroup
14524 \@ninecolfootfmt{#1}%
14525 \color@endgroup}%
14526 \m@mmf@prepare}
14527 \newcommand{\@mpNineColfootnotetext}[1]{%
14528 \if@RTL@footnote
14529 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14530 \else
14531 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14532 \fi
14533 \global\setbox
14534 \if@RTL@footnote
14535 \@mpfootinsv@r
14536 \else
14537 \@mpfootinsv@l
14538 \fi
14539 \vbox{%
14540 \unvbox

```



```

14541 \if@RTL@footnote
14542 \@mpfootinsv@r
14543 \else
14544 \@mpfootinsv@l
14545 \fi
14546 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14547 \def\baselinestretch{\m@m@footnote@spacing}%
14548 \reset@font\foottextfont
14549 \hsize\columnwidth \@parboxrestore
14550 \protected@edef\@currentlabel{%
14551 \csname p@mpfootnote\endcsname\@thefnmark}%
14552 \color@begingroup
14553 \@ninecolfootfmt{#1}%
14554 \color@endgroup}%
14555 \m@mmf@prepare}
14556 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
14557 \global\setbox\@mpfootinsv@l\vbox{%
14558 \unvbox\@mpfootinsv@l
14559 \@RTLfalse
14560 \def\baselinestretch{\m@m@footnote@spacing}%
14561 \reset@font\LTRfoottextfont
14562 \hsize\columnwidth \@parboxrestore
14563 \protected@edef\@currentlabel{%
14564 \csname p@mpfootnote\endcsname\@thefnmark}%
14565 \color@begingroup
14566 \@ninecolLTRfootfmt{#1}%
14567 \color@endgroup}%
14568 \m@mmf@prepare}
14569 \newcommand{\@mpNineColLTRfootnotetext}[1]{%
14570 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14571 \global\setbox\@mpfootinsv@l\vbox{%
14572 \unvbox\@mpfootinsv@l
14573 \@RTLfalse
14574 \def\baselinestretch{\m@m@footnote@spacing}%
14575 \reset@font\LTRfoottextfont
14576 \hsize\columnwidth \@parboxrestore
14577 \protected@edef\@currentlabel{%
14578 \csname p@mpfootnote\endcsname\@thefnmark}%
14579 \color@begingroup
14580 \@ninecolLTRfootfmt{#1}%
14581 \color@endgroup}%
14582 \m@mmf@prepare}
14583 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
14584 \global\setbox\@mpfootinsv@r\vbox{%
14585 \unvbox\@mpfootinsv@r
14586 \@RTLtrue
14587 \def\baselinestretch{\m@m@footnote@spacing}%
14588 \reset@font\RTLfoottextfont
14589 \hsize\columnwidth \@parboxrestore
14590 \protected@edef\@currentlabel{%
14591 \csname p@mpfootnote\endcsname\@thefnmark}%
14592 \color@begingroup
14593 \@ninecolRTLfootfmt{#1}%
14594 \color@endgroup}%

```




```

14595 \m@mmf@prepare}
14596 \newcommand{\@mpNineColRTLfootnotetext}[1]{%
14597 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14598 \global\setbox\@mpfootinsv@r\vbox{%
14599 \unvbox\@mpfootinsv@r
14600 \RTLtrue
14601 \def\baselinestretch{\m@m@footnote@spacing}%
14602 \reset@font\RTLfoottextfont
14603 \hsize\columnwidth \@parboxrestore
14604 \protected@edef\@currentlabel{%
14605 \csname p@mpfootnote\endcsname\@thefnmark}%
14606 \color@begingroup
14607 \@ninecolRTLfootfmt{#1}%
14608 \color@endgroup}%
14609 \m@mmf@prepare}
14610 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
14611 \@namedef{@ninecol@footgroup#1}{%
14612 \def\baselinestretch{\m@m@footnote@spacing}%
14613 \hsize\bidi@columnwidth
14614 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14615 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
14616 \newcommand{\bidi@make@ninecol@LTRfootgroup}[1]{%
14617 \@namedef{@ninecol@LTRfootgroup#1}{%
14618 \def\baselinestretch{\m@m@footnote@spacing}%
14619 \hsize\bidi@columnwidth
14620 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14621 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
14622 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
14623 \@namedef{@mpninecol@footgroup#1}{%
14624 \def\baselinestretch{\m@m@footnote@spacing}%
14625 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14626 \m@mrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}}
14627 \newcommand{\bidi@make@mpninecol@LTRfootgroup}[1]{%
14628 \@namedef{@mpninecol@LTRfootgroup#1}{%
14629 \def\baselinestretch{\m@m@footnote@spacing}%
14630 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14631 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}}
14632 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
14633 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14634 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14635 \@bidi@before@Hy@hyperfootnotes
14636 \let\@footnotetext\@tencolfootnotetext
14637 \let\@LTRfootnotetext\@tencolLTRfootnotetext
14638 \let\@RTLfootnotetext\@tencolRTLfootnotetext
14639 \dimen\footinsv@r=10\footinsdim
14640 \count\footinsv@r=100\relax
14641 \m@make@tencol@footgroup{v@r}%
14642 \let\@footgroupv@r\@tencol@footgroupv@r
14643 \dimen\footinsv@l=10\footinsdim
14644 \count\footinsv@l=100\relax
14645 \bidi@make@tencol@LTRfootgroup{v@l}%
14646 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14647 \let\@mpfootnotetext\@mptencolfootnotetext
14648 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext

```



```

14649 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
14650 \@bidi@after@Hy@hyperfootnotes
14651 \m@make@emptencol@footgroup{v@r}%
14652 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14653 \bidi@make@emptencol@LTRfootgroup{v@1}%
14654 \let\mp@LTRfootgroupv@1\@mptencol@LTRfootgroupv@1
14655 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14656 }
14657 \newcommand{\TenColumnFootnotes}{%
14658 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14659 \@namedef{foottextfontv@1}{\LTRfoottextfont}%
14660 \@bidi@before@Hy@hyperfootnotes
14661 \let\@footnotetext\@TenColfootnotetext
14662 \let\@LTRfootnotetext\@TenColLTRfootnotetext
14663 \let\@RTLfootnotetext\@TenColRTLfootnotetext
14664 \dimen\footinsv@r=10\footinsdim
14665 \count\footinsv@r=100\relax
14666 \m@make@tencol@footgroup{v@r}%
14667 \let\@footgroupv@r\@tencol@footgroupv@r
14668 \dimen\footinsv@1=10\footinsdim
14669 \count\footinsv@1=100\relax
14670 \bidi@make@tencol@LTRfootgroup{v@1}%
14671 \let\@LTRfootgroupv@1\@tencol@LTRfootgroupv@1
14672 \let\@mpfootnotetext\@mpTenColfootnotetext
14673 \let\@mpLTRfootnotetext\@mpTenColLTRfootnotetext
14674 \let\@mpRTLfootnotetext\@mpTenColRTLfootnotetext
14675 \@bidi@after@Hy@hyperfootnotes
14676 \m@make@emptencol@footgroup{v@r}%
14677 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14678 \bidi@make@emptencol@LTRfootgroup{v@1}%
14679 \let\mp@LTRfootgroupv@1\@mptencol@LTRfootgroupv@1
14680 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14681 }
14682 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
14683 \if@RTL@footnote
14684 \footinsv@r
14685 \else
14686 \footinsv@1
14687 \fi
14688 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14689 \def\baselinestretch{\m@footnote@spacing}%
14690 \reset@font\foottextfont
14691 \@preamfntext
14692 \protected@edef\@currentlabel{%
14693 \c@name p@footnote\endc@name\@thefnmark}%
14694 \color@begingroup
14695 \@tencolfootfmt{#1}%
14696 \color@endgroup}%
14697 \m@mmf@prepare}
14698 \newcommand{\@TenColfootnotetext}[1]{%
14699 \bidi@step@absolute@footnote@count
14700 \if@RTL@footnote
14701 \bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
14702 \else

```



```

14703 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14704 \fi
14705 \global\setbox
14706 \if@RTL@footnote
14707 \footinsv@r
14708 \else
14709 \footinsv@l
14710 \fi
14711 \vbox{%
14712 \unvbox
14713 \if@RTL@footnote
14714 \footinsv@r
14715 \else
14716 \footinsv@l
14717 \fi
14718 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14719 \def\baselinestretch{\m@m@footnote@spacing}%
14720 \reset@font\foottextfont
14721 \@preamfntext
14722 \protected@edef\@currentlabel{%
14723 \csname p@footnote\endcsname\@thefnmark}%
14724 \color@begingroup
14725 \@tencolfootfmt{#1}%
14726 \color@endgroup}%
14727 \m@mmf@prepare
14728 \if@RTL@footnote
14729 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14730 \else
14731 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14732 \fi
14733 }
14734 \bidi@ensure@newcommand{\@tencollTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14735 \def\baselinestretch{\m@m@footnote@spacing}%
14736 \reset@font\LTRfoottextfont
14737 \@preamfntext
14738 \protected@edef\@currentlabel{%
14739 \csname p@footnote\endcsname\@thefnmark}%
14740 \color@begingroup
14741 \@tencollTRfootfmt{#1}%
14742 \color@endgroup}%
14743 \m@mmf@prepare}
14744 \newcommand{\@TenCollTRfootnotetext}[1]{%
14745 \bidi@step@absolute@footnote@count
14746 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14747 \global\setbox\footinsv@l\vbox{%
14748 \unvbox\footinsv@l
14749 \@RTLfalse%
14750 \def\baselinestretch{\m@m@footnote@spacing}%
14751 \reset@font\LTRfoottextfont
14752 \@preamfntext
14753 \protected@edef\@currentlabel{%
14754 \csname p@footnote\endcsname\@thefnmark}%
14755 \color@begingroup
14756 \@tencollTRfootfmt{#1}%

```



```

14757 \color@endgroup}%
14758 \m@mmf@prepare
14759 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14760 }
14761 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14762 \def\baselinestretch{\m@m@footnote@spacing}%
14763 \reset@font\RTLfoottextfont
14764 \@preamfntext
14765 \protected@edef\@currentlabel{%
14766 \csname p@footnote\endcsname\@thefnmark}%
14767 \color@begingroup
14768 \@tencolRTLfootfmt{#1}%
14769 \color@endgroup}%
14770 \m@mmf@prepare}
14771 \newcommand{\@TenColRTLfootnotetext}[1]{%
14772 \bidi@step@absolute@footnote@count
14773 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14774 \global\setbox\footinsv@r\vbox{%
14775 \unvbox\footinsv@r
14776 \@RTLtrue
14777 \def\baselinestretch{\m@m@footnote@spacing}%
14778 \reset@font\RTLfoottextfont
14779 \@preamfntext
14780 \protected@edef\@currentlabel{%
14781 \csname p@footnote\endcsname\@thefnmark}%
14782 \color@begingroup
14783 \@tencolRTLfootfmt{#1}%
14784 \color@endgroup}%
14785 \m@mmf@prepare
14786 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14787 }
14788 \bidi@ensure@newcommand{\@preamtenfmt}{%
14789 \hsize .1\hsize
14790 \parindent=\z@
14791 \tolerance=5000\relax
14792 \leavevmode}
14793 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
14794 \@preamtenfmt
14795 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14796 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
14797 \@preamtenfmt
14798 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14799 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
14800 \@preamtenfmt
14801 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14802 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
14803 \global\setbox
14804 \if@RTL@footnote
14805 \mpfootinsv@r
14806 \else
14807 \mpfootinsv@l
14808 \fi
14809 \vbox{%
14810 \unvbox

```



```

14811 \if@RTL@footnote
14812 \@mpfootinsv@r
14813 \else
14814 \@mpfootinsv@l
14815 \fi
14816 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14817 \def\baselinestretch{\m@m@footnote@spacing}%
14818 \reset@font\foottextfont
14819 \hsize\columnwidth \@parboxrestore
14820 \protected@edef\@currentlabel{%
14821 \csname p@mpfootnote\endcsname\@thefnmark}%
14822 \color@begingroup
14823 \@tencolfootfmt{#1}%
14824 \color@endgroup}%
14825 \m@mmf@prepare}
14826 \newcommand{\@mpTenColfootnotetext}[1]{%
14827 \if@RTL@footnote
14828 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14829 \else
14830 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14831 \fi
14832 \global\setbox
14833 \if@RTL@footnote
14834 \@mpfootinsv@r
14835 \else
14836 \@mpfootinsv@l
14837 \fi
14838 \vbox{%
14839 \unvbox
14840 \if@RTL@footnote
14841 \@mpfootinsv@r
14842 \else
14843 \@mpfootinsv@l
14844 \fi
14845 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14846 \def\baselinestretch{\m@m@footnote@spacing}%
14847 \reset@font\foottextfont
14848 \hsize\columnwidth \@parboxrestore
14849 \protected@edef\@currentlabel{%
14850 \csname p@mpfootnote\endcsname\@thefnmark}%
14851 \color@begingroup
14852 \@tencolfootfmt{#1}%
14853 \color@endgroup}%
14854 \m@mmf@prepare}
14855 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
14856 \global\setbox\@mpfootinsv@l\vbox{%
14857 \unvbox\@mpfootinsv@l
14858 \@RTLfalse
14859 \def\baselinestretch{\m@m@footnote@spacing}%
14860 \reset@font\LTRfoottextfont
14861 \hsize\columnwidth \@parboxrestore
14862 \protected@edef\@currentlabel{%
14863 \csname p@mpfootnote\endcsname\@thefnmark}%
14864 \color@begingroup

```



```

14865 \tencolLTRfootfmt{#1}%
14866 \color@endgroup}%
14867 \m@mmf@prepare}
14868 \newcommand{\@mpTenColLTRfootnotetext}[1]{%
14869 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14870 \global\setbox\@mpfootinsv@l\vbox{%
14871 \unvbox\@mpfootinsv@l
14872 \@RTLfalse
14873 \def\baselinestretch{\m@m@footnote@spacing}%
14874 \reset@font\LTRfoottextfont
14875 \hsize\columnwidth \@parboxrestore
14876 \protected@edef\@currentlabel{%
14877 \csname p@mpfootnote@endcsname\@thefnmark}%
14878 \color@begingroup
14879 \tencolLTRfootfmt{#1}%
14880 \color@endgroup}%
14881 \m@mmf@prepare}
14882 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
14883 \global\setbox\@mpfootinsv@r\vbox{%
14884 \unvbox\@mpfootinsv@r
14885 \@RTLtrue
14886 \def\baselinestretch{\m@m@footnote@spacing}%
14887 \reset@font\RTLfoottextfont
14888 \hsize\columnwidth \@parboxrestore
14889 \protected@edef\@currentlabel{%
14890 \csname p@mpfootnote@endcsname\@thefnmark}%
14891 \color@begingroup
14892 \tencolRTLfootfmt{#1}%
14893 \color@endgroup}%
14894 \m@mmf@prepare}
14895 \newcommand{\@mpTenColRTLfootnotetext}[1]{%
14896 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14897 \global\setbox\@mpfootinsv@r\vbox{%
14898 \unvbox\@mpfootinsv@r
14899 \@RTLtrue
14900 \def\baselinestretch{\m@m@footnote@spacing}%
14901 \reset@font\RTLfoottextfont
14902 \hsize\columnwidth \@parboxrestore
14903 \protected@edef\@currentlabel{%
14904 \csname p@mpfootnote@endcsname\@thefnmark}%
14905 \color@begingroup
14906 \tencolRTLfootfmt{#1}%
14907 \color@endgroup}%
14908 \m@mmf@prepare}
14909 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
14910 \@namedef{@tencol@footgroup#1}{%
14911 \def\baselinestretch{\m@m@footnote@spacing}%
14912 \hsize\bidi@columnwidth
14913 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14914 \m@r@rigidbalance{\nameuse{footins#1}}{10}{\splittopskip}}}%
14915 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
14916 \@namedef{@tencol@LTRfootgroup#1}{%
14917 \def\baselinestretch{\m@m@footnote@spacing}%
14918 \hsize\bidi@columnwidth

```



```

14919 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14920 \bidi@LTRrigidbalance{\nameuse{footins#1}}{10}{\splittopskip}}
14921 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
14922 \namedef{mptencol@footgroup#1}{%
14923 \def\baselinestretch{\m@footnote@spacing}%
14924 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14925 \m@rigidbalance{\nameuse{mpfootins#1}}{10}{\splittopskip}}
14926 \newcommand{\bidi@make@mptencol@LTRfootgroup}[1]{%
14927 \namedef{mptencol@LTRfootgroup#1}{%
14928 \def\baselinestretch{\m@footnote@spacing}%
14929 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14930 \bidi@LTRrigidbalance{\nameuse{mpfootins#1}}{10}{\splittopskip}}
14931 \bidi@ensure@newcommand{\m@munvxh}[1]{%
14932 \setbox0=\vbox{\unvbox#1
14933 \global\setbox1=\lastbox}%
14934 \unhbox1
14935 \unskip
14936 \unskip
14937 \unpenalty
14938 \hskip\m@mipn@skip}
14939 \bidi@ensure@newcommand{\m@mungebox}{%
14940 \setbox0=\hbox{\m@munvxh0}%
14941 \dp0=\z@
14942 \ht0=\footfudgefactor\wd0
14943 \box0
14944 \penalty0}
14945 \newskip\m@mipn@skip
14946 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
14947 {\foottextfont\global\m@mipn@skip=#1\relax}}
14948 \m@minterparanoteglua{1em plus.3em minus.3em}
14949 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
14950 \setbox0=\hbox{}%
14951 \loop
14952 \unpenalty
14953 \setbox2=\lastbox
14954 \ifhbox2
14955 \setbox0=\hbox{\box2\unhbox0}
14956 \repeat}
14957 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
14958 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
14959 \newcommand*AddExtraParaSkip[1]{%
14960 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
14961 }
14962 \let\bidi@xparaskip\relax
14963 \@onlypreambleAddExtraParaSkip
14964 \@onlypreamble\bidi@xparaskip
14965 \def\bidi@startparafootskip#1{%
14966 \global\advance\skip#1\bidi@paraskip
14967 }
14968 \@onlypreamble\bidi@startparafootskip
14969 \bidi@ensure@newcommand{\paragraphfootnotes}{%
14970 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
14971 \namedef{foottextfontv@l}{\LTRfoottextfont}%
14972 \@bidi@before@Hy@hyperfootnotes

```



```

14973 \let\@footnotetext\@parafootnotetext
14974 \let\@LTRfootnotetext\@paraLTRfootnotetext
14975 \let\@RTLfootnotetext\@paraRTLfootnotetext
14976 \dimen\footinsv@r=\footinsdim
14977 \count\footinsv@r=1000\relax
14978 \let\@bidi@removexfootskip\@bidi@removexparafootskip
14979 \m@make@para@footgroup{v@r}%
14980 \m@make@para@footstart{v@r}%
14981 \let\@footgroupv@r\@para@footgroupv@r
14982 \let\@footstartv@r\@para@footstartv@r
14983 \dimen\footinsv@l=\footinsdim
14984 \count\footinsv@l=1000\relax
14985 \bidi@make@para@LTRfootgroup{v@l}%
14986 \m@make@para@footstart{v@l}%
14987 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14988 \let\@footstartv@l\@para@footstartv@l
14989 \let\@mpfootnotetext\@mpparafootnotetext
14990 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14991 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
14992 \@bidi@after@Hy@hyperfootnotes
14993 \m@make@mppara@footgroup{v@r}%
14994 \bidi@make@mppara@LTRfootgroup{v@l}%
14995 \let\mp@footgroupv@r\@mppara@footgroupv@r
14996 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14997 \g@addto@macro\bidi@floathook{%
14998   \begingroup
14999     \foottextfont \@tempdima\normalbaselineskip
15000     \multiply \@tempdima \@cclvi
15001     \@tempdimb \columnwidth
15002     \divide \@tempdimb \@cclvi
15003     \divide \@tempdima \@tempdimb
15004     \xdef\footfudgefactor{\strip@pt\@tempdima}%
15005   \endgroup
15006 }
15007 \AtBeginDocument{%
15008   \begingroup
15009     \foottextfont
15010     \@tempdima\footnotesep
15011     \advance\@tempdima -\ht\strutbox
15012     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15013     \advance\@tempdima.5\normalbaselineskip
15014     \bidi@xparaskip
15015     \xdef\bidi@paraskip{\the\@tempdima\relax}%
15016   \endgroup
15017   \bidi@startparafootskip\footinsv@r
15018   \bidi@startparafootskip\footinsv@l
15019 }
15020 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15021 }
15022 \newcommand{\ParagraphFootnotes}{%
15023   \@namedef{foottextfontv@r}{\foottextfont}%
15024   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
15025   \@bidi@before@Hy@hyperfootnotes
15026   \let\@footnotetext\@Parafootnotetext

```




```

15027 \let\@LTRfootnotetext\@ParaLTRfootnotetext
15028 \let\@RTLfootnotetext\@ParaRTLfootnotetext
15029 \dimen\footinsv@r=\footinsdim
15030 \count\footinsv@r=1000\relax
15031 \let\@bidi@removexfootskip\@bidi@removexparafootskip
15032 \m@make@para@footgroup{v@r}%
15033 \m@make@para@footstart{v@r}%
15034 \let\@footgroupv@r\@para@footgroupv@r
15035 \let\@footstartv@r\@para@footstartv@r
15036 \dimen\footinsv@l=\footinsdim
15037 \count\footinsv@l=1000\relax
15038 \bidi@make@para@LTRfootgroup{v@l}%
15039 \m@make@para@footstart{v@l}%
15040 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
15041 \let\@footstartv@l\@para@footstartv@l
15042 \let\@mpfootnotetext\@mpParafootnotetext
15043 \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
15044 \let\@mpRTLfootnotetext\@mpParaRTLfootnotetext
15045 \@bidi@after@Hy@hyperfootnotes
15046 \m@make@mppara@footgroup{v@r}%
15047 \bidi@make@mppara@LTRfootgroup{v@l}%
15048 \let\mp@footgroupv@r\@mppara@footgroupv@r
15049 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
15050 \g@addto@macro\@bidi@floathook{%
15051   \begingroup
15052     \foottextfont \@tempdima\normalbaselineskip
15053     \multiply \@tempdima \@cclvi
15054     \@tempdimb \columnwidth
15055     \divide \@tempdimb \@cclvi
15056     \divide \@tempdima \@tempdimb
15057     \xdef\footfudgefactor{\strip@pt\@tempdima}%
15058   \endgroup
15059 }
15060 \AtBeginDocument{%
15061   \begingroup
15062     \foottextfont
15063     \@tempdima\footnotesep
15064     \advance\@tempdima -\ht\strutbox
15065     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15066     \advance\@tempdima.5\normalbaselineskip
15067     \bidi@xparaskip
15068     \xdef\bidi@paraskip{\the\@tempdima\relax}%
15069   \endgroup
15070   \bidi@startparafootskip\footinsv@r
15071   \bidi@startparafootskip\footinsv@l
15072 }
15073 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15074 }
15075 \newcommand{\normalRTLparaLTRfootnotes}{%
15076   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
15077   \@bidi@before@Hy@hyperfootnotes
15078   \ifRTL@footnote
15079     \let\@footnotetext\m@old@footnotetext
15080   \else

```



```

15081 \let\@footnotetext\@parafootnotetext
15082 \fi
15083 \let\@LTRfootnotetext\@paraLTRfootnotetext
15084 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
15085 \dimen\footinsv@l=\footinsdim
15086 \count\footinsv@l=1000\relax
15087 \let\@bidi@removexfootskip\@bidi@removexparafootskip
15088 \@bidi@make@para@LTRfootgroup{v@l}%
15089 \m@make@para@footstart{v@l}%
15090 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
15091 \let\@footstartv@l\@para@footstartv@l
15092 \if@RTL@footnote
15093 \let\@mpfootnotetext\m@mold@mpfootnotetext
15094 \else
15095 \let\@mpfootnotetext\@mpparafootnotetext
15096 \fi
15097 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
15098 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
15099 \@bidi@after@Hy@hyperfootnotes
15100 \@bidi@make@mppara@LTRfootgroup{v@l}%
15101 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
15102 \g@addto@macro\@bidi@floathook{%
15103 \begingroup
15104 \LTRfoottextfont \@tempdima\normalbaselineskip
15105 \multiply \@tempdima \@cclvi
15106 \@tempdimb \columnwidth
15107 \divide \@tempdimb \@cclvi
15108 \divide \@tempdima \@tempdimb
15109 \xdef\footfudgefactor{\strip@pt\@tempdima}%
15110 \endgroup
15111 }
15112 \AtBeginDocument{%
15113 \begingroup
15114 \LTRfoottextfont
15115 \@tempdima\footnotesep
15116 \advance\@tempdima -\ht\strutbox
15117 \ifdim\@tempdima<z@ \@tempdima\z@ \fi
15118 \advance\@tempdima.5\normalbaselineskip
15119 \bidi@xparaskip
15120 \xdef\bidi@paraskip{\the\@tempdima\relax}%
15121 \endgroup
15122 \bidi@startparafootskip\footinsv@l
15123 }
15124 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15125 }
15126 \newcommand{\NormalRTLParaLTRFootnotes}{%
15127 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
15128 \@bidi@before@Hy@hyperfootnotes
15129 \if@RTL@footnote
15130 \let\@footnotetext\bidi@bidiold@footnotetext
15131 \else
15132 \let\@footnotetext\@Parafootnotetext
15133 \fi
15134 \let\@LTRfootnotetext\@ParaLTRfootnotetext

```



```

15135 \let\@RTLfootnotetext\@bidi@bidiold@RTLfootnotetext
15136 \dimen\footinsv@1=\footinsdim
15137 \count\footinsv@1=1000\relax
15138 \let\@bidi@removexfootskip\@bidi@removexparafootskip
15139 \@bidi@make@para@LTRfootgroup{v@1}%
15140 \@make@para@footstart{v@1}%
15141 \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
15142 \let\@footstartv@1\@para@footstartv@1
15143 \if@RTL@footnote
15144 \let\@mpfootnotetext\@bidi@bidiold@mpfootnotetext
15145 \else
15146 \let\@mpfootnotetext\@mpParafootnotetext
15147 \fi
15148 \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
15149 \let\@mpRTLfootnotetext\@bidi@bidiold@mpRTLfootnotetext
15150 \@bidi@after@Hy@hyperfootnotes
15151 \@bidi@make@mppara@LTRfootgroup{v@1}%
15152 \let\@mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
15153 \g@addto@macro\@bidi@floathook{%
15154 \begingroup
15155 \LTRfoottextfont \@tempdima\normalbaselineskip
15156 \multiply \@tempdima \@cclvi
15157 \@tempdimb \columnwidth
15158 \divide \@tempdimb \@cclvi
15159 \divide \@tempdima \@tempdimb
15160 \xdef\footfudgefactor{\strip@pt\@tempdima}%
15161 \endgroup
15162 }
15163 \AtBeginDocument{%
15164 \begingroup
15165 \LTRfoottextfont
15166 \@tempdima\footnotesep
15167 \advance\@tempdima -\ht\strutbox
15168 \ifdim\@tempdima<z@ \@tempdima z@ \fi
15169 \advance\@tempdima.5\normalbaselineskip
15170 \bidi@xparaskip
15171 \xdef\@bidi@paraskip{\the\@tempdima\relax}%
15172 \endgroup
15173 \@bidi@startparafootskip\footinsv@1
15174 }
15175 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
15176 }
15177 \@bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
15178 \if@RTL@footnote
15179 \footinsv@r
15180 \else
15181 \footinsv@l
15182 \fi
15183 }%
15184 \let\@bidi@RTL@everypar\@empty%
15185 \def\baselinestretch{\@m@f@footnote@spacing}%
15186 \reset@font\foottextfont
15187 \@preamfntext
15188 \protected@edef\@currentlabel{%

```



```

15189 \csname p@footnote\endcsname\@thefnmark}%
15190 \setbox0=\vbox{\hsize=\maxdimen
15191 \color@begingroup
15192 \noindent \@parafootfmt{#1}%
15193 \color@endgroup}%
15194 \m@mungebox}\m@mmf@prepare}
15195 \newcommand{\@Parafootnotetext}[1]{%
15196 \bidi@step@absolutefootnote@count
15197 \if@RTL@footnote
15198 \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
15199 \else
15200 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15201 \fi
15202 \global\setbox
15203 \if@RTL@footnote
15204 \footinsv@r
15205 \else
15206 \footinsv@1
15207 \fi
15208 \vbox{%
15209 \unvbox
15210 \if@RTL@footnote
15211 \footinsv@r
15212 \else
15213 \footinsv@1
15214 \fi
15215 \let\bidi@RTL@everypar\@empty%
15216 \def\baselinestretch{\m@m@footnote@spacing}%
15217 \reset@font\foottextfont
15218 \@preamfntext
15219 \protected@edef\@currentlabel{%
15220 \csname p@footnote\endcsname\@thefnmark}%
15221 \setbox0=\vbox{\hsize=\maxdimen
15222 \color@begingroup
15223 \noindent \@parafootfmt{#1}%
15224 \color@endgroup}%
15225 \m@mungebox}\m@mmf@prepare
15226 \if@RTL@footnote
15227 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15228 \else
15229 \bidi@reinsertfinalfootnoteperpage\footinsv@1\@footstartv@1\@LTRfootgroupv@1
15230 \fi
15231 }
15232 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@1{%
15233 \let\bidi@RTL@everypar\@empty%
15234 \def\baselinestretch{\m@m@footnote@spacing}%
15235 \reset@font\LTRfoottextfont
15236 \@preamfntext
15237 \protected@edef\@currentlabel{%
15238 \csname p@footnote\endcsname\@thefnmark}%
15239 \setbox0=\vbox{\hsize=\maxdimen
15240 \color@begingroup
15241 \noindent \@paraLTRfootfmt{#1}%
15242 \color@endgroup}%

```



```

15243 \m@ungebox}\m@mmf@prepare}
15244 \newcommand{\@ParaLTRfootnotetext}[1]{%
15245 \bidi@step@absolute@footnote@count
15246 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
15247 \global\setbox\footinsv@l\vbox{%
15248 \unvbox\footinsv@l
15249 \let\bidi@RTL@everypar\@empty%
15250 \def\baselinestretch{\m@mmf@footnote@spacing}%
15251 \reset@font\LTRfoottextfont
15252 \@preamfntext
15253 \protected@edef\@currentlabel{%
15254 \csname p@footnote\endcsname\@thefnmark}%
15255 \setbox0=\vbox{\hsize=\maxdimen
15256 \color@begingroup
15257 \noindent \@paraLTRfootfmt{#1}%
15258 \color@endgroup}%
15259 \m@ungebox}\m@mmf@prepare
15260 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15261 }
15262 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
15263 \let\bidi@RTL@everypar\@empty%
15264 \def\baselinestretch{\m@mmf@footnote@spacing}%
15265 \reset@font\RTLfoottextfont
15266 \@preamfntext
15267 \protected@edef\@currentlabel{%
15268 \csname p@footnote\endcsname\@thefnmark}%
15269 \setbox0=\vbox{\hsize=\maxdimen
15270 \color@begingroup
15271 \noindent \@paraRTLfootfmt{#1}%
15272 \color@endgroup}%
15273 \m@ungebox}\m@mmf@prepare}
15274 \newcommand{\@ParaRTLfootnotetext}[1]{%
15275 \bidi@step@absolute@footnote@count
15276 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15277 \global\setbox\footinsv@r\vbox{%
15278 \unvbox\footinsv@r
15279 \let\bidi@RTL@everypar\@empty%
15280 \def\baselinestretch{\m@mmf@footnote@spacing}%
15281 \reset@font\RTLfoottextfont
15282 \@preamfntext
15283 \protected@edef\@currentlabel{%
15284 \csname p@footnote\endcsname\@thefnmark}%
15285 \setbox0=\vbox{\hsize=\maxdimen
15286 \color@begingroup
15287 \noindent \@paraRTLfootfmt{#1}%
15288 \color@endgroup}%
15289 \m@ungebox}\m@mmf@prepare
15290 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15291 }
15292 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
15293 \parindent=\z@
15294 \parfillskip=0pt \@plus 1fil
15295 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
15296 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%

```



```

15297 \parindent=\z@
15298 \parfillskip=0pt \@plus 1fil
15299 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
15300 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
15301 \parindent=\z@
15302 \parfillskip=0pt \@plus 1fil
15303 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
15304 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
15305 \global\setbox
15306 \if@RTL@footnote
15307 \@mpfootinsv@r
15308 \else
15309 \@mpfootinsv@l
15310 \fi
15311 \vbox{%
15312 \unvbox
15313 \if@RTL@footnote
15314 \@mpfootinsv@r
15315 \else
15316 \@mpfootinsv@l
15317 \fi
15318 \let\bidi@RTL@everypar\@empty
15319 \def\baselinestretch{\m@m@footnote@spacing}%
15320 \reset@font\foottextfont
15321 \hsize\columnwidth \@parboxrestore
15322 \protected@edef\@currentlabel{%
15323 \csname p@mpfootnote\endcsname\@thefnmark}%
15324 \setbox0=\vbox{\hsize=\maxdimen
15325 \color@begingroup
15326 \noindent \@parafootfmt{#1}%
15327 \color@endgroup}%
15328 \m@mungebox}\m@mmf@prepare}
15329 \newcommand{\@mpParafootnotetext}[1]{%
15330 \if@RTL@footnote
15331 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15332 \else
15333 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15334 \fi
15335 \global\setbox
15336 \if@RTL@footnote
15337 \@mpfootinsv@r
15338 \else
15339 \@mpfootinsv@l
15340 \fi
15341 \vbox{%
15342 \unvbox
15343 \if@RTL@footnote
15344 \@mpfootinsv@r
15345 \else
15346 \@mpfootinsv@l
15347 \fi
15348 \let\bidi@RTL@everypar\@empty
15349 \def\baselinestretch{\m@m@footnote@spacing}%
15350 \reset@font\foottextfont

```



```

15351 \hsize\columnwidth \@parboxrestore
15352 \protected@edef\@currentlabel{%
15353 \csname p@mpfootnote\endcsname\@thefnmark}%
15354 \setbox0=\vbox{\hsize=\maxdimen
15355 \color@begingroup
15356 \noindent \@parafootfmt{#1}%
15357 \color@endgroup}%
15358 \m@mungebox}\m@mmf@prepare}
15359 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
15360 \global\setbox\@mpfootinsv@1\vbox{%
15361 \unvbox\@mpfootinsv@1
15362 \let\bidi@RTL@everypar\@empty
15363 \def\baselinestretch{\m@m@footnote@spacing}%
15364 \reset@font\LTRfoottextfont
15365 \hsize\columnwidth \@parboxrestore
15366 \protected@edef\@currentlabel{%
15367 \csname p@mpfootnote\endcsname\@thefnmark}%
15368 \setbox0=\vbox{\hsize=\maxdimen
15369 \color@begingroup
15370 \noindent \@paraLTRfootfmt{#1}%
15371 \color@endgroup}%
15372 \m@mungebox}\m@mmf@prepare}
15373 \newcommand{\@mpParaLTRfootnotetext}[1]{%
15374 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15375 \global\setbox\@mpfootinsv@1\vbox{%
15376 \unvbox\@mpfootinsv@1
15377 \let\bidi@RTL@everypar\@empty
15378 \def\baselinestretch{\m@m@footnote@spacing}%
15379 \reset@font\LTRfoottextfont
15380 \hsize\columnwidth \@parboxrestore
15381 \protected@edef\@currentlabel{%
15382 \csname p@mpfootnote\endcsname\@thefnmark}%
15383 \setbox0=\vbox{\hsize=\maxdimen
15384 \color@begingroup
15385 \noindent \@paraLTRfootfmt{#1}%
15386 \color@endgroup}%
15387 \m@mungebox}\m@mmf@prepare}
15388 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
15389 \global\setbox\@mpfootinsv@r\vbox{%
15390 \unvbox\@mpfootinsv@r
15391 \let\bidi@RTL@everypar\@empty
15392 \def\baselinestretch{\m@m@footnote@spacing}%
15393 \reset@font\RTLfoottextfont
15394 \hsize\columnwidth \@parboxrestore
15395 \protected@edef\@currentlabel{%
15396 \csname p@mpfootnote\endcsname\@thefnmark}%
15397 \setbox0=\vbox{\hsize=\maxdimen
15398 \color@begingroup
15399 \noindent \@paraRTLfootfmt{#1}%
15400 \color@endgroup}%
15401 \m@mungebox}\m@mmf@prepare}
15402 \newcommand{\@mpParaRTLfootnotetext}[1]{%
15403 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15404 \global\setbox\@mpfootinsv@r\vbox{%

```



```

15405 \unvbox\@mpfootinsv@r
15406 \let\bidirTL@everypar\@empty
15407 \def\baselinestretch{\m@m@footnote@spacing}%
15408 \reset@font\RTLfoottextfont
15409 \hsize\columnwidth \@parboxrestore
15410 \protected@edef\@currentlabel{%
15411 \csname p@mpfootnote\endcsname\@thefnmark}%
15412 \setbox0=\vbox{\hsize=\maxdimen
15413 \color@begingroup
15414 \noindent \@paraRTLfootfmt{#1}%
15415 \color@endgroup}%
15416 \m@mungebox}\m@mmf@prepare}
15417 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
15418 \@namedef{@para@footgroup#1}{%
15419 \unvbox\@nameuse{footins#1}
15420 \@RTLtrue
15421 \m@mmakehboxofhboxes
15422 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15423 \hsize\bidirTL@columnwidth
15424 \@parboxrestore
15425 \def\baselinestretch{\m@m@footnote@spacing}%
15426 \@nameuse{foottextfont#1}%
15427 \noindent\unhbox0\par}}
15428 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
15429 \@namedef{@para@LTRfootgroup#1}{%
15430 \unvbox\@nameuse{footins#1}
15431 \@RTLfalse
15432 \m@mmakehboxofhboxes
15433 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15434 \hsize\bidirTL@columnwidth
15435 \@parboxrestore
15436 \def\baselinestretch{\m@m@footnote@spacing}%
15437 \@nameuse{foottextfont#1}%
15438 \noindent\unhbox0\par}}
15439 \newcommand{\bidi@removexparafootskip}{%
15440 \advance\@tempskipa -\bidi@paraskip
15441 \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
15442 }
15443 \let\bidi@removexfootskip\relax
15444 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
15445 \@namedef{@mppara@footgroup#1}{%
15446 \unvbox\@nameuse{@mpfootins#1}
15447 \@RTLtrue
15448 \m@mmakehboxofhboxes
15449 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15450 \def\baselinestretch{\m@m@footnote@spacing}%
15451 \@nameuse{foottextfont#1}%
15452 \noindent\unhbox0\par}}
15453 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
15454 \@namedef{@mppara@LTRfootgroup#1}{%
15455 \unvbox\@nameuse{@mpfootins#1}
15456 \@RTLfalse
15457 \m@mmakehboxofhboxes
15458 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%

```




```

15459 \def\baselinestretch{\m@m@footnote@spacing}%
15460 \@nameuse{foottextfont#1}%
15461 \noindent\unhbox0\par}}
15462 \bidi@ensure@newcommand{\m@m@make@para@footstart}[1]{%
15463 \@namedef{@para@footstart#1}{%
15464 \leftskip=\z@
15465 \rightskip=\z@
15466 \parindent=\z@
15467 }%
15468 }
15469 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
15470 \xdef\@freelist{\@freelist\@midlist}%
15471 \global\let\@midlist\@empty
15472 \@combinefloats}
15473 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
15474 \ifvbox\@kludgeins
15475 \@makespecialcolbox
15476 \else
15477 \setbox\@outputbox \vbox to\@colht{%
15478 \@texttop
15479 \dimen@ \dp\@outputbox
15480 \unvbox \@outputbox
15481 \vskip -\dimen@
15482 \@textbottom}%
15483 \fi}
15484 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
15485 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
15486 \boxmaxdepth\@maxdepth
15487 \@tempdima\dp\@cclv
15488 \unvbox\@cclv
15489 \vskip-\@tempdima
15490 \bidi@mopfn@bottom
15491 \vskip \skip\footins
15492 \color@begingroup
15493 \normalcolor
15494 \footnoterule
15495 \unvbox \footins
15496 \color@endgroup
15497 }%
15498 }
15499 \newcommand*{\bidi@mopfootnotebf}{%
15500 \setbox\@outputbox \vbox{%
15501 \boxmaxdepth\@maxdepth
15502 \unvbox\@outputbox
15503 \bidi@mopfn@bottom
15504 \vskip\skip\footins
15505 \color@begingroup
15506 \normalcolor
15507 \footnoterule
15508 \unvbox \footins
15509 \color@endgroup
15510 }%
15511 }
15512 \gdef\mem@makecol{%

```



```

15513 \m@m@makecolintro
15514 \m@m@doextrafeet
15515 \ifvoid\footins
15516   \setbox\@outputbox \box\@cclv
15517 \else
15518   \m@mopfootnote
15519 \fi
15520 \m@m@makecolfloats
15521 \m@m@makecoltext
15522 \global \maxdepth \@maxdepth}
15523 \gdef\bidi@makecolbf{%
15524   \m@m@makecolintro
15525   \m@m@doextrafeet
15526   \setbox\@outputbox \box\@cclv
15527   \m@m@makecolfloats
15528   \ifvoid\footins
15529   \else
15530     \bidi@mopfootnotebf
15531   \fi
15532   \m@m@makecoltext
15533   \global \maxdepth \@maxdepth}
15534 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
15535 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
15536 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
15537 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
15538 \FeetAboveFloat
15539 \FeetBelowRagged
15540 \def\bidi@reinserts#1{\ifvoid#1\else
15541   \ifnum\count\@currbox>\z@
15542     \advance\@pageht \ht#1%
15543     \advance\@pageht \skip#1%
15544     \advance\@pageht \dp#1%
15545   \fi
15546   \insert#1{\unvbox#1}%
15547   \fi
15548 }
15549 \def\bidi@init@multi@footins#1{%
15550   \multiply\count#1\col@number
15551   \multiply\skip#1\col@number
15552 }
15553 \def\bidi@reinsert@footnotes#1{\ifvoid#1\else
15554   \insert#1{}\fi}
15555 \AtBeginDocument{%
15556   \bidi@preto\@doclearpage\m@m@doextrafeet
15557   \g@addto@macro\@reinserts{%
15558     \bidi@reinserts\footinsv@r
15559     \bidi@reinserts\footinsv@l
15560   }
15561   \bidi@floathook
15562   \g@addto@macro\@floatplacement{%
15563     \bidi@ifmulticol}{\bidi@floathook}%
15564   }%
15565   \if@bidi@csundef{multi@column@out}{%
15566     \onlypreamble\bidi@init@multi@footins

```



```

15567 \let\bid@ifmulticol\@secondoftwo
15568 }{%
15569 \bidi@preto\multi@column@out@m@mdoextrafeet
15570 \g@addto@macro\init@multi@footins{%
15571 \bidi@init@multi@footins\footinsv@r
15572 \bidi@init@multi@footins\footinsv@l
15573 }%
15574 \g@addto@macro\reinsert@footnotes{%
15575 \bidi@reinsert@footnotes\footinsv@r
15576 \bidi@reinsert@footnotes\footinsv@l
15577 }%
15578 }%
15579 }

```

87 File extreport-xetex-bidi.def

```

15580 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
15581 \renewcommand*\l@part[2]{%
15582 \ifnum \c@tocdepth >-2\relax
15583 \addpenalty{-\@highpenalty}%
15584 \addvspace{2.25em \@plus\p@}%
15585 \begingroup
15586 \setlength\@tempdima{3em}%
15587 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15588 \parfillskip -\@pnumwidth
15589 {\leavevmode
15590 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15591 \nobreak
15592 \global\@nobreaktrue
15593 \everypar{\global\@nobreakfalse\everypar{}}%
15594 \endgroup
15595 \fi}
15596 \renewcommand*\l@chapter[2]{%
15597 \ifnum \c@tocdepth >\m@ne
15598 \addpenalty{-\@highpenalty}%
15599 \vskip 1.0em \@plus\p@
15600 \setlength\@tempdima{1.5em}%
15601 \begingroup
15602 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15603 \parfillskip -\@pnumwidth
15604 \leavevmode \bfseries
15605 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15606 \hskip -\if@RTL\rightskip\else\leftskip\fi
15607 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15608 \penalty\@highpenalty
15609 \endgroup
15610 \fi}
15611 \def\@makechapterhead#1{%
15612 \vspace*{50\p@}%
15613 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15614 \ifnum \c@secnumdepth >\m@ne
15615 \huge\bfseries \@chapapp\space \thechapter
15616 \par\nobreak
15617 \vskip 20\p@

```



```

15618 \fi
15619 \interlinepenalty\@M
15620 \Huge \bfseries #1\par\nobreak
15621 \vskip 40\p@
15622 }}
15623 \def\@makeschapterhead#1{%
15624 \vspace*{50\p@}%
15625 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15626 \normalfont
15627 \interlinepenalty\@M
15628 \Huge \bfseries #1\par\nobreak
15629 \vskip 40\p@
15630 }}
15631 \renewcommand\left@footnoterule{%
15632 \kern-3\p@
15633 \hrule\@width.4\columnwidth
15634 \kern2.6\p@}
15635 \renewcommand\right@footnoterule{%
15636 \kern-3\p@
15637 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15638 \kern2.6\p@}
15639 \renewenvironment{thebibliography}[1]
15640 {\chapter*{\bibname
15641 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
15642 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15643 \bidi@thebibliography@font@hook%
15644 \list{\@biblabel{\@arabic\c@enumiv}}%
15645 {\settowidth\labelwidth{\@biblabel{#1}}%
15646 \leftmargin\labelwidth
15647 \advance\leftmargin\labelsep
15648 \@openbib@code
15649 \usecounter{enumiv}%
15650 \let\p@enumiv\@empty
15651 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15652 \sloppy\clubpenalty4000\widowpenalty4000%
15653 \sfcode\.\@m}
15654 {\def\@noitemerr
15655 {\@latex@warning{Empty `thebibliography' environment}}}%
15656 \endlist}
15657 \if@titlepage
15658 \renewcommand\maketitle{\begin{titlepage}%
15659 \let\footnotesize\small
15660 \let\right@footnoterule\relax
15661 \let\left@footnoterule\relax
15662 \let\textwidth@footnoterule\relax
15663 \let\footnote\thanks
15664 \null\vfil
15665 \vskip 60\p@
15666 \begin{center}%
15667 {\LARGE \@title \par}%
15668 \vskip 3em%
15669 {\large
15670 \lineskip .75em%
15671 \begin{tabular}[t]{c}%

```



```

15672         \@author
15673         \end{tabular}\par}%
15674         \vskip 1.5em%
15675         {\large \@date \par}%           % Set date in \large size.
15676     \end{center}\par
15677     \@thanks
15678     \vfil\null
15679     \end{titlepage}%
15680     \setcounter{footnote}{0}%
15681     \global\let\thanks\relax
15682     \global\let\maketitle\relax
15683     \global\let\@thanks\@empty
15684     \global\let\@author\@empty
15685     \global\let\@date\@empty
15686     \global\let\@title\@empty
15687     \global\let\title\relax
15688     \global\let\author\relax
15689     \global\let\date\relax
15690     \global\let\and\relax
15691 }
15692 \else
15693 \renewcommand\maketitle{\par
15694   \begingroup
15695     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15696     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15697     \long\def\@makefntext##1{\parindent 1em\noindent
15698       \hb@xt@1.8em{%
15699         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15700     \if@twocolumn
15701       \ifnum \col@number=\@ne
15702         \@maketitle
15703       \else
15704         \twocolumn[\@maketitle]%
15705       \fi
15706     \else
15707       \newpage
15708       \global\@topnum\z@   % Prevents figures from going at top of page.
15709       \@maketitle
15710     \fi
15711     \thispagestyle{plain}\@thanks
15712   \endgroup
15713   \setcounter{footnote}{0}%
15714   \global\let\thanks\relax
15715   \global\let\maketitle\relax
15716   \global\let\@maketitle\relax
15717   \global\let\@thanks\@empty
15718   \global\let\@author\@empty
15719   \global\let\@date\@empty
15720   \global\let\@title\@empty
15721   \global\let\title\relax
15722   \global\let\author\relax
15723   \global\let\date\relax
15724   \global\let\and\relax
15725 }

```



```

15726 \def\@maketitle{%
15727   \newpage
15728   \null
15729   \vskip 2em%
15730   \begin{center}%
15731   \let \footnote \thanks
15732     {\LARGE \@title \par}%
15733     \vskip 1.5em%
15734     {\large
15735       \lineskip .5em%
15736       \begin{tabular}[t]{c}%
15737         \@author
15738       \end{tabular}\par}%
15739     \vskip 1em%
15740     {\large \@date}%
15741   \end{center}%
15742   \par
15743   \vskip 1.5em}
15744 \fi
15745 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
15746 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15747 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15748 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15749 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15750 \renewcommand\theequation{%
15751   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15752 \renewcommand\thefigure{%
15753   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
15754 \renewcommand\thetable{%
15755   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

88 File fancybox-xetex-bidi.def

```

15756 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
15757 \def\fancy@oval#1#2#3{%
15758   \boxmaxdepth \maxdimen
15759   \@ovttrue \ovbtrue \ovltrue \ovrtrue
15760   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
15761   \@ovxx#1\relax
15762   \advance\@ovxx-\@wholewidth
15763   \@ovyy#2\relax
15764   \advance\@ovyy-\@wholewidth
15765   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
15766   \advance\@tempdimb-2\p@
15767   \ifdim\@tempdimb>\the@cornersize\relax
15768     \@tempdimb=\the@cornersize
15769   \fi
15770   \@getcirc\@tempdimb
15771   \@ovro\ht\@tempboxa \ovri\dp\@tempboxa
15772   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
15773   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
15774   \@circlefnt
15775   \setbox\@tempboxa\hbox{\beginL%
15776     \ifovr \ovvert32\kern -\@tempdima \fi

```



```

15777 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
15778 \if@ovt \@ovhorz \kern -\@ovxx \fi
15779 \if@ovb \raise \@ovvy \@ovhorz \fi\endL}%
15780 \advance\@ovdx\@ovro
15781 \advance\@ovdy\@ovro
15782 \advance\@ovxx\@wholewidth
15783 \wd\@tempboxa=\@ovxx
15784 \dp\@tempboxa=\z@}

```

89 File fancyhdr-xetex-bidi.def

```

15785 \ProvidesFile{fancyhdr-xetex-bidi.def}[2024/12/07 v0.8 bidi adaptations for fancyhdr package]
15786
15787 \let\fnch@everypar\everypar
15788
15789 \bidi@patchcmd\fnch@head\raggedright\bidi@raggedright
15790 {}{\bidi@warningnoline{Oops! patching `string\fnch@head' failed}}
15791 \bidi@patchcmd\fnch@head\raggedleft\bidi@raggedleft
15792 {}{\bidi@warningnoline{Oops! patching `string\fnch@head' failed}}
15793
15794 \bidi@patchcmd\fnch@foot\raggedright\bidi@raggedright
15795 {}{\bidi@warningnoline{Oops! patching `string\fnch@foot' failed}}
15796 \bidi@patchcmd\fnch@foot\raggedleft\bidi@raggedleft
15797 {}{\bidi@warningnoline{Oops! patching `string\fnch@foot' failed}}
15798

```

90 File fix2col-xetex-bidi.def

```

15799 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
15800 \def\RTL@outputdblcol{%
15801 \if@firstcolumn
15802 \global\@firstcolumnfalse
15803 \global\setbox\@leftcolumn\copy\@outputbox
15804 \splitmaxdepth\maxdimen
15805 \vbadness\maxdimen
15806 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15807 \toks@\expandafter{\topmark}%
15808 \xdef\@firstcoltopmark{\the\toks@}%
15809 \toks@\expandafter{\splitfirstmark}%
15810 \xdef\@firstcolfirstmark{\the\toks@}%
15811 \ifx\@firstcolfirstmark\empty
15812 \global\let\@setmarks\relax
15813 \else
15814 \gdef\@setmarks{%
15815 \let\firstmark\@firstcolfirstmark
15816 \let\topmark\@firstcoltopmark}%
15817 \fi
15818 \else \global\@firstcolumntrue
15819 \setbox\@outputbox \vbox {\hbox to\textwidth {%
15820 \hskip \columnwidth
15821 \hfil \vrule width\columnseprule \hfil
15822 \hbox to\columnwidth {%
15823 \bidi@firstcolumn@status@write%
15824 \box\@leftcolumn \hss}%

```



```

15825 \hskip -\textwidth
15826 \hbox to\columnwidth{%
15827 \bidi@lastcolumn@status@write%
15828 \box\@outputbox \hss}%
15829 \hskip \columnsep
15830 \hskip \columnwidth }}%
15831 \@combinedblfloats \@setmarks \@outputpage
15832 \begingroup \@dblfloatplacement \@startdblcolumn
15833 \@whiles\if@fcolmade \fi
15834 {\@outputpage \@startdblcolumn }\endgroup
15835 \fi}
15836 \def\LTR@outputdblcol{%
15837 \if@firstcolumn
15838 \global\@firstcolumnfalse
15839 \global\setbox\@leftcolumn\copy\@outputbox
15840 \splitmaxdepth\maxdimen
15841 \vbadness\maxdimen
15842 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15843 \toks@\expandafter{\topmark}%
15844 \xdef\@firstcoltopmark{\the\toks@}%
15845 \toks@\expandafter{\splitfirstmark}%
15846 \xdef\@firstcolfirstmark{\the\toks@}%
15847 \ifx\@firstcolfirstmark\empty
15848 \global\let\@setmarks\relax
15849 \else
15850 \gdef\@setmarks{%
15851 \let\firstmark\@firstcolfirstmark
15852 \let\topmark\@firstcoltopmark}%
15853 \fi
15854 \else
15855 \global\@firstcolumntrue
15856 \setbox\@outputbox\vbox{%
15857 \hb@xt@\textwidth{%
15858 \hb@xt@\columnwidth{%
15859 \bidi@firstcolumn@status@write%
15860 \box\@leftcolumn \hss}%
15861 \hfil
15862 \vrule \@width\columnseprule
15863 \hfil
15864 \hb@xt@\columnwidth{%
15865 \bidi@lastcolumn@status@write%
15866 \box\@outputbox \hss}}}%
15867 \@combinedblfloats
15868 \@setmarks
15869 \@outputpage
15870 \begingroup
15871 \@dblfloatplacement
15872 \@startdblcolumn
15873 \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
15874 \endgroup
15875 \fi}

```

91 File fleqn-xetex-bidi.def




```

15876 \ProvidesFile{fleqn-xetex-bidi.def}[2024/12/07 v0.2 bidi adaptations for fleqn tag for XeTeX
15877 \DeclareRobustCommand\{\relax
15878     \ifmmode\@badmath
15879     \else
15880     \begin{trivlist}%
15881     \@beginparpenalty\predisplaypenalty
15882     \@endparpenalty\postdisplaypenalty
15883     \item[]\leavevmode
15884     \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
15885     \hskip\mathindent\bgroup
15886     \fi}
15887 \DeclareRobustCommand\{\relax
15888     \ifmmode
15889     \egroup $\hfil% $
15890     \endL\egroup
15891     \end{trivlist}%
15892     \else \@badmath
15893     \fi}
15894 \renewenvironment{equation}%
15895 {\@beginparpenalty\predisplaypenalty
15896 \@endparpenalty\postdisplaypenalty
15897 \refstepcounter{equation}%
15898 \trivlist \item[]\leavevmode
15899 \hb@xt@\linewidth\bgroup\beginL $\m@th% $
15900 \displaystyle
15901 \hskip\mathindent}%
15902 {$\hfil % $
15903 \displaywidth\linewidth\hbox{\@eqnnum}%
15904 \endL\egroup
15905 \endtrivlist}

```

92 File float-xetex-bidi.def

```

15906 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for X
15907 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
15908 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
15909 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
15910 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
15911 \expandafter\edef\csname the#1\endcsname{%
15912 \expandafter\noexpand\csname
15913 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
15914 {\PackageWarning{float}{Can't redefine counter variable for #1.}}

```

93 File floatrow-xetex-bidi.def

```

15915 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
15916 \renewcommand\flnew@within[1]{\@addtoreset{FB@captive}{#1}%
15917 \expandafter\edef\csname theFB@captive\endcsname{%
15918 \expandafter\noexpand\csname
15919 the#1\endcsname\@SepMark\noexpand\arabic{FB@captive}}}}

```

94 File flowfram-xetex-bidi.def

```

15920 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package

```



```

15921 \def\@outputdblcol{%
15922 \@nxtcol=\c@thisframe
15923 \c@curpg=\c@page
15924 \@g@tnextcol{\@nxtcol}%
15925 \if@ff@nwpq % next flow frame starts on new page
15926 \global\@firstcolumntrue
15927 \@setcolbox\c@thisframe
15928 \if@specialpage
15929 \global\@specialpagefalse
15930 \@nameuse{ps@\@specialstyle}\relax
15931 \fi
15932 \if@twoside
15933 \ifodd\count\z@
15934 \let\@thehead\@oddhead
15935 \let\@thefoot\@oddfoot
15936 \else
15937 \let\@thehead\@evenhead
15938 \let\@thefoot\@evenfoot
15939 \fi
15940 \else
15941 \let\@thehead\@oddhead
15942 \let\@thefoot\@oddfoot
15943 \fi
15944 \@begindvi
15945 \@dodynamicthehead\@dodynamicthefoot
15946 \vbadness=\@M
15947 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
15948 \@combinedblfloats
15949 \@outputpage
15950 \advance\c@curpg by -\c@page\relax
15951 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
15952 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
15953 \@outputpage}
15954 \begingroup
15955 \@dblfloatplacement
15956 \@startdblcolumn
15957 \@whilesw \if@fcolmade \fi
15958 {\@outputpage \@startdblcolumn }\endgroup
15959 \@resetst@tics
15960 \@resetdyn@mics
15961 \else % still on same page, save contents of box255
15962 \global\@firstcolumnfalse
15963 \@setcolbox\c@thisframe
15964 \fi
15965 \global\c@thisframe=\@nxtcol
15966 \@setcol{\c@thisframe}\relax
15967 \global\@colht\vsz
15968 }
15969 \def\@outputpage{%
15970 \begingroup
15971 \let\protect\noexpand
15972 \@resetactivechars
15973 \global\let\@if@newlist\if@newlist
15974 \global\@newlistfalse\@parboxrestore

```



```

15975 \global\let\bidibeforeoutputpageshipout\@firstofone
15976 \bidibeforeoutputpageshipouthook
15977 \shipout\vbox{\set@typeset@protect
15978 \aftergroup
15979 \endgroup
15980 \aftergroup
15981 \set@typeset@protect
15982 \reset@font\normalsize
15983 \bidifont@@outputpage
15984 \normalsfcodes
15985 \let\label@gobble
15986 \let\index@gobble
15987 \let\glossary@gobble
15988 \baselineskip\z@skip
15989 \lineskip\z@skip
15990 \lineskiplimit\z@
15991 \vskip\topmargin\moveright\@themargin
15992 \vbox{%
15993 \global\let\bidibeforeheader\@firstofone
15994 \bidibeforeheaderhook
15995 \vskip\headheight
15996 \vskip\headsep
15997 \global\let\bidibeforeoutputboxoutputpage\@firstofone
15998 \bidibeforeoutputboxoutputpagehook
15999 \box\outputbox
16000 \global\let\bidiafteroutputboxoutputpage\@firstofone
16001 \bidiafteroutputboxoutputpagehook
16002 }}%
16003 \global\let\bidiafteroutputpageshipout\@firstofone
16004 \bidiafteroutputpageshipouthook
16005 \global\let\if@newlist\@if@newlist
16006 \stepcounter{page}%
16007 \setcounter{displayedframe}{0}%
16008 \let\firstmark\botmark
16009 \global\let\bidiatendoutputpage\@firstofone
16010 \bidiatendoutputpagehook
16011 }
16012
16013
16014 \newcommand*\bidis@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}}{%
16015 \expandafter\bidicolor\ff@txtcol}}
16016
16017 \newcommand{\bidiff@box}[3]{\@ffbackground{\vbox to#2
16018 {\hb@xt@ #1{\hss{\bidis@tfftextcol #3}\hss}\vss\kern\z@}}}}
16019
16020
16021 \renewcommand*\@docolbox}[1]{%
16022 \edef\ff@frametype{%
16023 \csname @ff@frametype@\romannumeral#1\endcsname}%
16024 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
16025 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
16026 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
16027 \@ff@setoffset{#1}%
16028 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%

```



```

16029 \iffalse{\boolean{columnframe\romannumeral#1}}{%
16030 \ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
16031 {\csname colheight\romannumeral#1\endcsname}{%
16032 \expandafter\box\csname column\romannumeral#1\endcsname}{%
16033 \csname\ff@frametype\endcsname}%
16034 }{%
16035 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
16036 {\csname colheight\romannumeral#1\endcsname}{%
16037 \expandafter\box\csname column\romannumeral#1\endcsname}%
16038 }}}
16039 \ifclassloaded{book}{%
16040 \renewcommand\theequation
16041   {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16042 \renewcommand \thefigure
16043   {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16044 \renewcommand \thetable
16045   {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
16046 \renewcommand \thechapter {\@arabic\c@chapter}
16047 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16048 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16049 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16050 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16051 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
16052 \ifclassloaded{report}{%
16053 \renewcommand\theequation
16054   {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16055 \renewcommand \thefigure
16056   {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16057 \renewcommand \thetable
16058   {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
16059 \renewcommand \thechapter {\@arabic\c@chapter}
16060 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16061 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16062 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16063 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16064 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
16065 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
16066 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
16067 \else
16068 #2\relax
16069 \fi}

```

95 File footnote-xetex-bidi.def

```

16070 \ProvidesFile{footnote-xetex-bidi.def}[2024/12/14 v1.3 bidi footnote macros for XeTeX engine]
16071 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
16072 \newif\ifbidi@autofooterule
16073 \def\bidi@mpfootnoterule{\footnoterule}
16074 \newcounter{footdir@label}
16075 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
16076 \newcommand*{\footdir@write}{%
16077   \stepcounter{footdir@label}%
16078   \zref@labelbyprops{\thefootdir@label}{abspage}%
16079 }

```



```

16080 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
16081 \newtoks\footdir@toks
16082 \newcommand*{\footdir@debug}[1]{%
16083   \iffootdir@debug
16084     \typeout{\footdir} #1}%
16085   \fi
16086 }
16087 %\ifpackagelater{zref-abspage}{2012/10/27}{%
16088 %   \newcommand*{\footdir@LeftRightElse}{%
16089 %     \ltx@ifundefined{\footdir@the\value{zabspage}}{%
16090 %       \footdir@debug{abspage \the\value{zabspage}: else}%
16091 %     \ltx@thirdofthree
16092 %   }{%
16093 %     \if\csname footdir@\the\value{zabspage}\endcsname L%
16094 %       \footdir@debug{abspage \the\value{zabspage}: left}%
16095 %     \expandafter\ltx@firstofthree
16096 %   \else
16097 %     \footdir@debug{abspage \the\value{zabspage}: right}%
16098 %     \expandafter\ltx@secondofthree
16099 %   \fi
16100 % }%
16101 % }%
16102 %}{%
16103   \providecommand*{\c@zabspage}{\c@abspage}%
16104   \newcommand*{\footdir@LeftRightElse}{%
16105     \footdir@write
16106     \zifrefundefined{\thefootdir@label}{%
16107       \footdir@debug{abspage ??: else}%
16108     \ltx@thirdofthree
16109   }{%
16110     \edef\footdir@abspage{%
16111       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
16112     }%
16113     \ltx@ifundefined{\footdir@\footdir@abspage}{%
16114       \footdir@debug{\footdir@abspage: else}%
16115     \ltx@thirdofthree
16116   }{%
16117     \if\csname footdir@\footdir@abspage\endcsname L%
16118       \footdir@debug{\footdir@abspage: left}%
16119     \expandafter\ltx@firstofthree
16120   \else
16121     \footdir@debug{\footdir@abspage: right}%
16122     \expandafter\ltx@secondofthree
16123   \fi
16124   }%
16125 }%
16126 }%
16127 %}
16128 \newcommand*{\footdir@fntext}[1]{%
16129   \zifrefundefined{\thefootdir@label}{%
16130 }{%
16131   \edef\footdir@name{%
16132     footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
16133   }%

```



```

16134 \@ifundefined{\footdir@name}{%
16135 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
16136 }{}%
16137 }%
16138 }
16139
16140 \newcommand*{\footdir@temp}[3]{%
16141 \@ifdefinable{#1}{%
16142 \let#1#2%
16143 \renewcommand{#2}[1]{%
16144 \footdir@write
16145 \footdir@fntext{#3}%
16146 \stepcounter{footdir@label}%
16147 \footdir@fntext{#3}%
16148 \footdir@toks{##1}%
16149 \footdir@toks\expandafter{%
16150 \the\expandafter\footdir@toks
16151 \expandafter
16152 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
16153 }%
16154 \expandafter#1\expandafter{\the\footdir@toks}%
16155 }%
16156 }%
16157 }
16158
16159 \def\right@footnoterule{%
16160 \kern-3\p@
16161 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16162 \kern2.6\p@}
16163 \def\left@footnoterule{\kern-3\p@
16164 \hrule \@width .4\columnwidth \kern 2.6\p@}
16165 \def\textwidth@footnoterule{\kern-3\p@
16166 \hrule \@width \columnwidth \kern 2.6\p@}
16167 \def\leftfootnoterule{%
16168 \bidi@autofootnoterulefalse%
16169 \def\footnoterule{\left@footnoterule}}
16170 \let\LRfootnoterule=\leftfootnoterule
16171 \def\rightfootnoterule{%
16172 \bidi@autofootnoterulefalse%
16173 \def\footnoterule{\right@footnoterule}}
16174 \def\textwidthfootnoterule{%
16175 \bidi@autofootnoterulefalse%
16176 \def\footnoterule{\textwidth@footnoterule}}
16177
16178
16179
16180 \def\auto@footnoterule{%
16181 \footdir@LeftRightElse%
16182 \left@footnoterule%
16183 \right@footnoterule%
16184 \left@footnoterule%
16185 }
16186
16187

```



```

16188
16189 \def\autofooterule{%
16190 \bidi@autofooteruletrue%
16191 \def\footnoterule{\auto@footnoterule}%
16192 }
16193
16194 \newcommand*{\SplitFootnoteRule}{%
16195   \gdef\split@prev{0}
16196   \let\pagefootnoterule\footnoterule
16197   \let\mpfootnoterule\footnoterule
16198   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
16199   \def\footnoterule{\relax
16200     \ifx \@listdepth\@mplistdepth
16201       \mpfootnoterule
16202     \else
16203       \ifnum\split@prev=\z@
16204         \pagefootnoterule
16205       \else
16206         \splitfootnoterule
16207       \fi
16208     \xdef\split@prev{\the\insertpenalties}%
16209   \fi
16210 }%
16211 }
16212
16213
16214
16215
16216 \def\RTLfootnote{\@ifnextchar [\@xRTLfootnote{\stepcounter\@mpfn
16217   \protected@xdef\@thefnmark{\thempfn}%
16218   \@footnotemark\@RTLfootnotetext}}
16219 \def\@xRTLfootnote[#1]{%
16220   \begingroup
16221     \csname c@\@mpfn\endcsname #1\relax
16222     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16223   \endgroup
16224   \@footnotemark\@RTLfootnotetext}
16225 \def\LTRfootnote{\@ifnextchar [\@xLTRfootnote{\stepcounter\@mpfn
16226   \protected@xdef\@thefnmark{\thempfn}%
16227   \@footnotemark\@LTRfootnotetext}}
16228 \def\@xLTRfootnote[#1]{%
16229   \begingroup
16230     \csname c@\@mpfn\endcsname #1\relax
16231     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16232   \endgroup
16233   \@footnotemark\@LTRfootnotetext}
16234
16235
16236 \def\setfootnoteRL{\@RTL@footnotetrue}
16237 \def\unsetfootnoteRL{\@RTL@footnotefalse}
16238 \def\setfootnoteLR{\unsetfootnoteRL}
16239
16240 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
16241 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}

```



```

16242 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
16243
16244 \long\def\@footnotetext#1{\insert\footins{%
16245   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
16246   \reset@font%
16247   \bidi@@footnotetext@font% \reset@font\footnotesize
16248   \interlinepenalty\interfootnotelinepenalty
16249   \splittopskip\footnotesep
16250   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16251   \hsize\columnwidth \@parboxrestore
16252   \protected@edef\@currentlabel{%
16253     \csname p@footnote\endcsname\@thefnmark
16254   }%
16255   \color@begingroup
16256     \@makefntext{%
16257       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16258   \color@endgroup}}%
16259
16260
16261 \long\def\@RTLfootnotetext#1{\insert\footins{%
16262   \@RTLtrue%
16263   \reset@font%
16264   \bidi@@RTLfootnotetext@font% \reset@font\footnotesize
16265   \interlinepenalty\interfootnotelinepenalty
16266   \splittopskip\footnotesep
16267   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16268   \hsize\columnwidth \@parboxrestore
16269   \protected@edef\@currentlabel{%
16270     \csname p@footnote\endcsname\@thefnmark
16271   }%
16272   \color@begingroup
16273     \@makefntext{%
16274       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16275   \color@endgroup}}%
16276
16277 \long\def\@LTRfootnotetext#1{\insert\footins{%
16278   \@RTLfalse%
16279   \reset@font%
16280   \bidi@@LTRfootnotetext@font% \reset@font\footnotesize
16281   \interlinepenalty\interfootnotelinepenalty
16282   \splittopskip\footnotesep
16283   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16284   \hsize\columnwidth \@parboxrestore
16285   \protected@edef\@currentlabel{%
16286     \csname p@footnote\endcsname\@thefnmark
16287   }%
16288   \color@begingroup
16289     \@makefntext{%
16290       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16291   \color@endgroup}}%
16292
16293 \AtBeginDocument{%
16294 \if@RTL@footnote
16295   \newcommand*{\bidi@footdir@footnote}{R}

```




```

16296 \else
16297   \newcommand*{\bidi@footdir@footnote}{L}
16298 \fi%
16299 }
16300
16301 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
16302 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
16303 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
16304
16305 \long\def\@mpRTLfootnotetext#1{%
16306   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
16307   \global\setbox\@mpfootins\vbox{%
16308     \unvbox\@mpfootins
16309     \@RTLtrue
16310     \reset@font%
16311     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16312     \hsize\columnwidth
16313     \@parboxrestore
16314     \protected@edef\@currentlabel
16315       {\csname p@mpfootnote\endcsname\@thefnmark}%
16316     \color@begingroup
16317     \@makefntext{%
16318       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16319     \color@endgroup}}
16320 \long\def\@mpLTRfootnotetext#1{%
16321   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
16322   \global\setbox\@mpfootins\vbox{%
16323     \unvbox\@mpfootins
16324     \@RTLfalse
16325     \reset@font%
16326     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16327     \hsize\columnwidth
16328     \@parboxrestore
16329     \protected@edef\@currentlabel
16330       {\csname p@mpfootnote\endcsname\@thefnmark}%
16331     \color@begingroup
16332     \@makefntext{%
16333       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16334     \color@endgroup}}
16335 \long\def\@mpfootnotetext#1{%
16336   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule%
16337   \global\setbox\@mpfootins\vbox{%
16338     \unvbox\@mpfootins
16339     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
16340     \reset@font%
16341     \bidi@footnotetext@font% \reset@font\footnotesize
16342     \hsize\columnwidth
16343     \@parboxrestore
16344     \protected@edef\@currentlabel
16345       {\csname p@mpfootnote\endcsname\@thefnmark}%
16346     \color@begingroup
16347     \@makefntext{%
16348       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16349     \color@endgroup}}

```



```

16350 \def\@iiiminipage#1#2[#3]#4{%
16351   \leavevmode
16352   \@pboxswfalse
16353   \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
16354   \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
16355   \setlength\@tempdima{#4}%
16356   \def\@mpargs{#{1}-#{2}[#3]{#4}}%
16357   \setbox\@tempboxa\vbox\bgroup
16358     \color@begingroup
16359     \hsize\@tempdima
16360     \textwidth\hsize \columnwidth\hsize
16361     \@parboxrestore
16362     \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
16363     \let\@footnotetext\@mpfootnotetext
16364     \let\@LTRfootnotetext\@mpLTRfootnotetext
16365     \let\@RTLfootnotetext\@mpRTLfootnotetext
16366     \let\@listdepth\@mplistdepth \@mplistdepth\z@
16367     \@minipagerestore
16368     \@setminipage}
16369 \def\endminipage{%
16370   \par
16371   \unskip
16372   \ifvoid\@mpfootins\else
16373     \vskip\skip\@mpfootins
16374     \normalcolor
16375     \bidi@mpfootnoterule
16376     \unvbox\@mpfootins
16377   \fi
16378   \@minipagefalse %% added 24 May 89
16379   \color@endgroup
16380   \egroup
16381   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
16382 \def\LTRthanks#1{\footnotemark
16383   \protected@xdef\@thanks{\@thanks
16384     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
16385 }
16386 \def\LTRfootnotetext{%
16387   \@ifnextchar [\@xLTRfootnotenext
16388     {\protected@xdef\@thefnmark{\thempfn}%
16389     \@LTRfootnotetext}}
16390 \def\@xLTRfootnotenext[#1]{%
16391   \begingroup
16392     \csname c@\@mpfn\endcsname #1\relax
16393     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16394   \endgroup
16395   \@LTRfootnotetext}
16396 \def\RTLthanks#1{\footnotemark
16397   \protected@xdef\@thanks{\@thanks
16398     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
16399 }
16400 \let\@thanks\@empty
16401 \def\RTLfootnotetext{%
16402   \@ifnextchar [\@xRTLfootnotenext
16403     {\protected@xdef\@thefnmark{\thempfn}%

```



```

16404 \RTLfootnotetext}}
16405 \def\@xRTLfootnotenext[#1]{%
16406 \begingroup
16407 \csname c@\@mpfn\endcsname #1\relax
16408 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16409 \endgroup
16410 \RTLfootnotetext}
16411 \leftfootnoterule

```

96 File footnotebackref-xetex-bidi.def

```

16412 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnotebackref]
16413 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
16414 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
16415
16416 \renewcommand*\LTRfootnote{%
16417 \refstepcounter{BackrefHyperFootnoteCounter}%
16418 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16419 \label{\BackrefFootnoteTag}%
16420 \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
16421
16422 \renewcommand*\RTLfootnote{%
16423 \refstepcounter{BackrefHyperFootnoteCounter}%
16424 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16425 \label{\BackrefFootnoteTag}%
16426 \@ifnextchar [\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
16427 \newcommand\Backref@HyperLTRFootnote[1]{%
16428 \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
16429
16430 \newcommand\Backref@HyperRTLFootnote[1]{%
16431 \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
16432
16433 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
16434 \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
16435
16436 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
16437 \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
16438
16439 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
16440 \ifFootnoteBackref@numberlinked
16441 \renewcommand{\footfootmark}{%
16442 \ifdim\footmarkwidth < \z@
16443 \llap{\hb@xt@ -\footmarkwidth{%
16444 \hss\normalfont\footscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16445 \hspace*{-\footmarkwidth}}}%
16446 \else
16447 \ifdim\footmarkwidth = \z@
16448 {\normalfont\footscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16449 \else
16450 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}
16451 \fi
16452 \fi}
16453 \renewcommand{\LTRfootfootmark}{%
16454 \ifdim\footmarkwidth < \z@

```



```

16455 \llap{\hb@xt@ -\footmarkwidth{%
16456 \hss\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16457 \hspace*{-\footmarkwidth}}%
16458 \else
16459 \ifdim\footmarkwidth = \z@
16460 {\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16461 \else
16462 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16463 \fi
16464 \fi}
16465 \renewcommand{\RTLfootfootmark}{%
16466 \ifdim\footmarkwidth < \z@
16467 \llap{\hb@xt@ -\footmarkwidth{%
16468 \hss\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16469 \hspace*{-\footmarkwidth}}%
16470 \else
16471 \ifdim\footmarkwidth = \z@
16472 {\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16473 \else
16474 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16475 \fi
16476 \fi}
16477 \fi
16478 }

```

97 File framed-xetex-bidi.def

```

16479 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for
16480 \renewcommand\TitleBarFrame[3][\begingroup
16481 \ifx\delimiter#1\delimiter
16482 \let\TF@conlab\@empty
16483 \else
16484 \def\TF@conlab{% continuation label
16485 \nointerlineskip
16486 \smash{\rlap{\kern\wd@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
16487 \fi
16488 %\let\TF@savecolor\current@color
16489 \textcolor{TFFrameColor}{%
16490 \CustomFBox
16491 {\TF@Title{#2}}{\TF@conlab}%
16492 \fboxrule\fboxrule\fboxrule\fboxrule
16493 %{\let\current@color\TF@savecolor\set@color #3}%
16494 {\normalcolor #3}%
16495 }\endgroup
16496 }
16497 \renewenvironment{titled-frame}[1]{%
16498 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
16499 \TitleBarFrame{\textbf{#1}}}%
16500 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
16501 \TitleBarFrame[\if@RTL\blacktriangleleft\else\blacktriangleright\fi]{\textbf{#1}}}%
16502 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
16503 \TitleBarFrame[\if@RTL\blacktriangleleft\else\blacktriangleright\fi]{\textbf{#1} (con
16504 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
16505 \TitleBarFrame{\textbf{#1} (cont)}}}%

```



```

16506 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
16507 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
16508 % could interfere with the width measurement.
16509 {\endMakeFramed}
16510 \chardef\FrameRestore=\catcode`\| % for debug
16511 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
16512 \def\fb@put@frame#1#2{\relax
16513 \ifdim\pagegoal=\maxdimen \pagegoal\vszize \fi
16514 | \message{===== Entering putframe =====^^J
16515 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
16516 \ifinner
16517 \fb@putboxa#1%
16518 \fb@afterframe
16519 \else
16520 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
16521 \ifdim\dimen@<2\baselineskip % Too little room on page
16522 | \message{Page has only \the\dimen@\space room left; eject.}%
16523 \eject \fb@adjheight \fb@put@frame#1#2%
16524 \else % there's appreciable room left on the page
16525 \fb@sizeofframe#1%
16526 | \message{\string\pagetotal=\the\pagetotal,
16527 | \string\pagegoal=\the\pagegoal,
16528 | \string\pagestretch=\the\pagestretch,
16529 | \string\pageshrink=\the\pageshrink,
16530 | \string\fb@frh=\the\fb@frh. \space}
16531 | \message{^^JBox of size \the\ht@\tempboxa\space}%
16532 \begingroup % temporarily set \dimen@ to be...
16533 \advance\dimen@.8\pageshrink % maximum space available on page
16534 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
16535 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
16536 \expandafter\endgroup
16537 % expand \ifdim, then restore \dimen@ to real room left on page
16538 \ifdim\dimen@>\ht@\tempboxa % whole box does fit
16539 | \message{fits in \the\dimen@.}%
16540 % ToDo: Change this to use vsplit anyway to capture the marks
16541 % MERGE THIS WITH THE else CLAUSE!!!
16542 \fb@putboxa#1%
16543 \fb@afterframe
16544 \else % box must be split
16545 | \message{must be split to fit in \the\dimen@.}%
16546 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
16547 \fb@sizeofframe#2%
16548 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
16549 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
16550 \kern137sp\kern-137sp\penalty-30
16551 \unvbox\@tempboxa}%
16552 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
16553 \splittopskip\the\splittopskip}%
16554 \boxmaxdepth\z@ \splittopskip\z@
16555 | \message{^^JPadded box of size \the\ht@\tempboxa\space split to \the\dimen@}%
16556 % Split box here
16557 \setbox\tw@\vsplit\@tempboxa to\dimen@
16558 | \toks99\expandafter{\splitfirstmark}%
16559 | \toks98\expandafter{\splitbotmark}%

```



```

16560 | \message{Marks are: \the\toks99, \the\toks98. }%
16561 | \setbox\tw\ vbox{\unvbox\tw}% natural-sized
16562 | \message{Natural height of split box is \the\ht\tw@, leaving
16563 | \the\ht\@tempboxa\space remainder. }%
16564 | % If the split-to size > (\vsize-\topskip), then set box to full size.
16565 | \begingroup
16566 | \advance\dimen@\topskip
16567 | \expandafter\endgroup
16568 | \ifdim\dimen@>\pagegoal
16569 | \message{Frame is big -- Use up the full column. }%
16570 | \dimen@ii\pagegoal
16571 | \advance\dimen@ii -\topskip
16572 | \advance\dimen@ii \FrameHeightAdjust\relax
16573 | \else % suspect this is implemented incorrectly:
16574 | % If the split-to size > feasible room_on_page, rebox it smaller.
16575 | \advance\dimen@.8\pageshrink
16576 | \ifdim\ht\tw@>\dimen@
16577 | \message{Box too tall; rebox it to \the\dimen@. }%
16578 | \dimen@ii\dimen@
16579 | \else % use natural size
16580 | \dimen@ii\ht\tw@
16581 | \fi
16582 | \fi
16583 | % Re-box contents to desired size \dimen@ii
16584 | \advance\dimen@ii -\fb@frh
16585 | \setbox\tw\ vbox to\dimen@ii \bgroup
16586 | % remove simulated frame and page flexibility:
16587 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
16588 | \unvbox\tw@ \unpenalty\unpenalty
16589 | \ifdim\lastkern=-137sp % whole box went to next page
16590 | \message{box split at beginning! }%
16591 | % need work here???
16592 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
16593 | \fb@adjheight
16594 | \fb@put@frame#1#2% INSERTED ???
16595 | \else % Got material split off at the head
16596 | \egroup \fb@resto@set
16597 | \ifvoid\@tempboxa % it all fit after all
16598 | \message{box split at end! }%
16599 | \setbox\@tempboxa\box\tw@
16600 | \fb@putboxa#1%
16601 | \fb@afterframe
16602 | \else % it really did split
16603 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
16604 | \ifdim\wd\tw@>\z@
16605 | \wd\tw@\wd\@tempboxa
16606 | \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
16607 | \else
16608 | \message{Zero width means likely blank. Don't frame it (guess)}%
16609 | \box\tw@
16610 | \fi
16611 | \hrule \@height\z@ \@width\hsize
16612 | \eject
16613 | \fb@adjheight

```



```

16614             \fb@put@frame\LastFrameCommand\MidFrameCommand
16615 \fi\fi\fi\fi\fi
16616 }
16617 \def\fb@putboxa#1{%
16618   \ifvoid\@tempboxa
16619     \PackageWarning{framed}{Boxa is void -- discard it. }%
16620   \else
16621 |   \message{Frame and place boxa. }%
16622 |   %{\showoutput\showbox\@tempboxa}%
16623   \centerline{#1{\hboxL{\box\@tempboxa}}}%
16624 \fi
16625 }
16626 \catcode`\|=\FrameRestore
16627 \def\FrameRestore{%
16628   \let\if@nbreak\iffalse
16629   \let\if@noskipsec\iffalse
16630   \let\-\@dischph
16631   \let'\@acci\let'\@accii\let\=\@acciii
16632   % \message{FrameRestore:
16633   %   \@totalleftmargin=\the \@totalleftmargin,
16634   %   \rightmargin=\the\rightmargin,
16635   %   \@listdepth=\the\@listdepth. }%
16636   % Test if we are in a list (or list-like paragraph)
16637   \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
16638     \ifdim\rightmargin>\z@ 1\fi
16639     \ifnum\@listdepth>\z@ 1\fi 0>\z@
16640     % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
16641     %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
16642     %   \labelwidth=\the\labelwidth. }%
16643     \@setminipage % snug fit around the item
16644     % Now try to propagate changes of width from \hsize to list parameters.
16645     % This is deficient, but a more advanced way to indicate modification to text
16646     % dimensions is not (yet) provided; in particular, no separate left/right
16647     % adjustment.
16648     \advance\linewidth-\columnwidth \advance\linewidth\hsize
16649     \parshape\@ne \@totalleftmargin \linewidth
16650   \else % Not in list
16651     \linewidth=\hsize
16652     %\message{No list, set \string\linewidth=\the\hsize. }%
16653   \fi
16654   \sloppy
16655 }

```

98 File `ftnright-xetex-bidi.def`

```

16656 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
16657
16658 \def\prepare@bidi@copyins{%
16659   \global\bidircol@copyinsskip\skip\@bidi@copyins@
16660   \global\skip\@bidi@copyins@\z@
16661   \global\count\@bidi@copyins@\z@
16662   \global\dimen\@bidi@copyins@\textheight}
16663
16664 \newskip\bidircol@copyinsskip

```



```

16665
16666 \def\LTR@outputdblcol{%
16667   \if@firstcolumn
16668     \global\@firstcolumnfalse
16669     \global\setbox\@leftcolumn\copy\@outputbox
16670     \global\count\footins\@m
16671     \global\skip\footins\rcol@footinsskip
16672     \global\count\@bidi@copyins@\@m
16673     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16674     \splitmaxdepth\maxdimen
16675     \vbadness\maxdimen
16676     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16677     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16678     \toks@\expandafter{\topmark}%
16679     \xdef\@firstcoltopmark{\the\toks@}%
16680     \toks@\expandafter{\splitfirstmark}%
16681     \xdef\@firstcolfirstmark{\the\toks@}%
16682     \ifx\@firstcolfirstmark\@empty
16683       \global\let\@setmarks\relax
16684     \else
16685       \gdef\@setmarks{%
16686         \let\firstmark\@firstcolfirstmark
16687         \let\topmark\@firstcoltopmark}%
16688     \fi
16689   \else
16690     \preparefootins
16691     \prepare@bidi@copyins
16692     \global\@firstcolumntrue
16693     \setbox\@outputbox\vbox{%
16694       \hb@xt@\textwidth{%
16695         \hb@xt@\columnwidth{%
16696           \bidi@firstcolumn@status@write%
16697           \box\@leftcolumn \hss}%
16698         \hfil
16699         {\normalcolor\vrule \@width\columnseprule}%
16700         \hfil
16701         \hb@xt@\columnwidth{%
16702           \bidi@lastcolumn@status@write%
16703           \box\@outputbox \hss}}}%
16704     \@combinedblfloats
16705     \@setmarks
16706     \@outputpage
16707     \begingroup
16708     \@dblfloatplacement
16709     \@startdblcolumn
16710     \@whilesw\if@fcolmade \fi{\@outputpage
16711     \@startdblcolumn}%
16712     \endgroup
16713   \fi}%
16714
16715 \def\RTL@outputdblcol{%
16716   \if@firstcolumn
16717     \global\@firstcolumnfalse
16718     \global\setbox\@leftcolumn\copy\@outputbox

```




```

16719 \global\count\footins\@m
16720 \global\skip\footins\rcol@footinsskip
16721 \global\count\@bidi@copyins@\@m
16722 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16723 \splitmaxdepth\maxdimen
16724 \vbadness\maxdimen
16725 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16726 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16727 \toks@\expandafter{\topmark}%
16728 \xdef\@firstcoltopmark{\the\toks@}%
16729 \toks@\expandafter{\splitfirstmark}%
16730 \xdef\@firstcolfirstmark{\the\toks@}%
16731 \ifx\@firstcolfirstmark\@empty
16732 \global\let\@setmarks\relax
16733 \else
16734 \gdef\@setmarks{%
16735 \let\firstmark\@firstcolfirstmark
16736 \let\topmark\@firstcoltopmark}%
16737 \fi
16738 \else
16739 \preparefootins
16740 \prepare@bidi@copyins
16741 \global\@firstcolumntrue
16742 \setbox\@outputbox\vbox{%
16743 \hb@xt@\textwidth{%
16744 \hskip \columnwidth
16745 \hfil
16746 {\normalcolor\vrule \@width\columnseprule}%
16747 \hfil
16748 \hb@xt@\columnwidth{%
16749 \bidi@firstcolumn@status@write%
16750 \box\@leftcolumn \hss}%
16751 \hskip -\textwidth
16752 \hb@xt@\columnwidth{%
16753 \bidi@lastcolumn@status@write%
16754 \box\@outputbox \hss}%
16755 \hskip \columnsep
16756 \hskip \columnwidth }}%
16757 \@combinedblfloats
16758 \@setmarks
16759 \@outputpage
16760 \begingroup
16761 \@dblfloatplacement
16762 \@startdblcolumn
16763 \@whilesw@if@fcolmade \fi{\@outputpage
16764 \@startdblcolumn}%
16765 \endgroup
16766 \fi}%
16767
16768 \def\startcolumn{%
16769 \ifx\@deferlist\@empty
16770 \global\@fcolmadefalse
16771 \global\@colroom\@colht
16772 \else

```



```

16773 \ifvoid\footins\else
16774   \ftn@amount\ht\footins
16775   \advance\ftn@amount\dp\footins
16776   \advance\ftn@amount\skip\footins
16777 \fi
16778 \ifvoid\@bidi@copyins@\else
16779   \bidi@copyins@amount\ht\@bidi@copyins@
16780   \advance\bidi@copyins@amount\dp\@bidi@copyins@
16781   \advance\bidi@copyins@amount\skip\@bidi@copyins@
16782 \fi
16783 \global\advance\@colht-\ftn@amount
16784 \global\advance\@colht-\bidi@copyins@amount
16785 \global\@colroom\@colht
16786 \@xstartcol
16787 \global\advance\@colht\ftn@amount
16788 \global\advance\@colroom\ftn@amount
16789 \global\advance\@colht\bidi@copyins@amount
16790 \global\advance\@colroom\bidi@copyins@amount
16791 \fi
16792 \if@fcolmade
16793   \setbox\@cclv\box\@outputbox
16794   \@makecol
16795 \else
16796   \ifvoid\footins\else
16797     \insert\footins{\unvbox\footins}\fi
16798   \ifvoid\@bidi@copyins@\else
16799     \insert\@bidi@copyins@\unvbox\@bidi@copyins@\fi
16800 \fi}
16801
16802 \newdimen\bidi@copyins@amount
16803
16804 \def\@makecol{\if@firstcolumn
16805   \setbox\@outputbox\box\@cclv
16806   \if@twocolumn \else
16807     \ifvoid\footins \else
16808       \@latexerr{ftnright package
16809         used in one-column mode}%
16810     {The ftnright package was designed to
16811     work with LaTeX's standard^^Jtwocolumn
16812     option. It does *not* work with the
16813     multicol package.^^JSo please specify
16814     `twocolumn' in the
16815     \noexpand\documentclass command.}%
16816     \shipout\box\footins \fi
16817     \ifvoid\@bidi@copyins@ \else
16818       \@latexerr{ftnright package
16819         used in one-column mode}%
16820     {The ftnright package was designed to
16821     work with LaTeX's standard^^Jtwocolumn
16822     option. It does *not* work with the
16823     multicol package.^^JSo please specify
16824     `twocolumn' in the
16825     \noexpand\documentclass command.}%
16826     \shipout\box\@bidi@copyins@ \fi\fi

```



```

16827 \ifnum\insertpenalties>\z@
16828   \@latexerr{ftnright package
16829     scrambled footnotes}%
16830   {There is too much footnote material in
16831     the first column and ftnright^^Jis
16832     unable to cope with this.^^JYou need
16833     to reduce the amount to get a properly
16834     formatted page.}%
16835   \fi
16836 \else
16837   \ifvoid\footins
16838     \ifvoid\@bidi@copyins@
16839       \setbox\@outputbox\box\@cclv
16840     \else
16841       \setbox\@outputbox\vbox
16842         {\ifvoid\@cclv \else
16843           \unvbox\@cclv
16844           \vskip \skip\@bidi@copyins@
16845         \fi
16846         \color@begingroup
16847         \normalcolor
16848         \unvbox \@bidi@copyins@
16849         \color@endgroup}%
16850     \fi
16851   \else
16852     \setbox\@outputbox\vbox
16853       {\ifvoid\@cclv \else
16854         \unvbox\@cclv
16855         \vskip\skip\footins\fi
16856         \color@begingroup
16857         \normalcolor
16858         \footnoterule\unvbox\footins
16859         \color@endgroup
16860         \ifvoid\@bidi@copyins@
16861         \else
16862           \vskip \skip\@bidi@copyins@
16863           \color@begingroup
16864           \normalcolor
16865           \unvbox \@bidi@copyins@
16866           \color@endgroup
16867         \fi
16868       }%
16869   \fi
16870 \fi
16871 \xdef\@freelist{\@freelist\@midlist}%
16872 \global \let \@midlist \@empty
16873 \@combinefloats
16874 \ifvbox\@kludgeins
16875   \@makespecialcolbox
16876 \else
16877   \setbox\@outputbox\vbox to\@colht
16878     {\boxmaxdepth\maxdepth
16879     \@texttop
16880     \@tempdima\dp\@outputbox

```



```

16881     \unvbox\@outputbox
16882     \vskip-\@tempdima
16883     \@textbottom}%
16884 \fi
16885 \global\maxdepth\@maxdepth}
16886
16887 \let\leftfootnoterule\@empty
16888 \let\rightfootnoterule\@empty
16889 \let\textwidthfootnoterule\@empty
16890 \let\autofootnoterule\@empty
16891 \let\footnoterule\@empty
16892 \long\def\@makefnctext#1{\parindent 1em
16893     \noindent\hbox to 2em{}%
16894     \llap{\@thefnmark\hbox{.}\,}\,)#1}
16895
16896 \setlength{\skip\@bidi@copyins@}
16897     {10pt plus 5pt minus 3pt}
16898 \AtBeginDocument{\prepare@bidi@copyins}

```

99 File graphicx-xetex-bidi.def

```

16899 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
16900 \def\Grot@box@std#1#2{\ifmmode\else\ifRTL\beginL\fi\fi%
16901     \Grot@setangle{#1}%
16902     \setbox\z@\hbox{\ifmmode\ifRTL\beginR\fi#2\ifRTL\endR\fi\else\ifRTL\beginR\fi#2\ifRTL\endR\fi}%
16903     \Grot@x\z@
16904     \Grot@y\z@
16905     \Grot@box\ifmmode\else\ifRTL\endL\fi\fi}
16906 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\ifRTL\beginL\fi\fi%
16907     \@begin@tempboxa\hbox{\ifmmode\ifRTL\beginR\fi#3\ifRTL\endR\fi\else\ifRTL\beginR\fi#3\ifRTL\endR\fi}%
16908     \Grot@x\width \divide\Grot@x\tw@
16909     \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
16910     \setkeys{Grot}{#1}%
16911     \setbox\z@\box\@tempboxa
16912     \Grot@setangle{#2}%
16913     \Grot@box\ifmmode\else\ifRTL\endL\fi\fi
16914     \@end@tempboxa}
16915 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\ifRTL\beginL\fi\fi%
16916     \leavevmode
16917     \def\Gscale@x{#1}\def\Gscale@y{#2}%
16918     \setbox\z@\hbox{#3}%
16919     \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16920     \ifdim#2\p@<\z@
16921         \ht\tw@-#2\dp\z@
16922         \dp\tw@-#2\ht\z@
16923     \else
16924         \ht\tw@#2\ht\z@
16925         \dp\tw@#2\dp\z@
16926     \fi
16927     \ifdim#1\p@<\z@
16928         \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16929     \else
16930         \wd\tw@#1\wd\z@
16931         \box\tw@

```



```

16932 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16933 \def\Gin@iii[#1,#2][#3,#4]#5{%
16934 \begingroup
16935 \ifmmode\else\if@RTL\beginL\fi\fi
16936 \Gin@bboxtrue
16937 \Gin@defaultbp\Gin@llx{#1}%
16938 \Gin@defaultbp\Gin@lly{#2}%
16939 \Gin@defaultbp\Gin@urx{#3}%
16940 \Gin@defaultbp\Gin@ury{#4}%
16941 \Gin@include@graphics{#5}%
16942 \ifmmode\else\if@RTL\endL\fi\fi
16943 \endgroup}
16944 \def\Gin@ii[#1]#2{%
16945 \def\@tempa{[]}\def\@tempb{#2}%
16946 \ifx\@tempa\@tempb
16947 \def\@tempa{\Gin@iii[#1] []}%
16948 \expandafter\@tempa
16949 \else
16950 \begingroup
16951 \ifmmode\else\if@RTL\beginL\fi\fi
16952 \@tempswafalse
16953 \toks@{\Gin@include@graphics{#2}}%
16954 \setkeys{Gin}{#1}%
16955 \Gin@esetsize
16956 \the\toks@
16957 \ifmmode\else\if@RTL\endL\fi\fi
16958 \endgroup
16959 \fi}
16960 \def\reflectbox{\bidiGscale@box-1[1]}
16961 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16962 \leavevmode
16963 \def\Gscale@x{#1}\def\Gscale@y{#2}%
16964 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
16965 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16966 \ifdim#2\p@<\z@
16967 \ht\tw@-#2\dp\z@
16968 \dp\tw@-#2\ht\z@
16969 \else
16970 \ht\tw@#2\ht\z@
16971 \dp\tw@#2\dp\z@
16972 \fi
16973 \ifdim#1\p@<\z@
16974 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16975 \else
16976 \wd\tw@#1\wd\z@
16977 \box\tw@
16978 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16979 \def\scalebox#1{%
16980 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}]
16981 \def\resizebox{%
16982 \leavevmode
16983 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
16984 \def\bidiGscale@@box#1#2#3{%
16985 \let\@tempa\Gin@exclamation

```



```

16986 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
16987 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
16988 \ifx\@tempb\@tempa
16989   \ifx\@tempc\@tempa
16990     \toks@{\mbox}%
16991   \else
16992     \toks@{\bidiGscale@box@dd{#3}#1}%
16993   \fi
16994 \else
16995   \ifx\@tempc\@tempa
16996     \toks@{\bidiGscale@box@dd{#2}\width}%
16997   \else
16998     \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
16999   \fi
17000 \fi
17001 \the\toks@}
17002 \long\def\bidiGscale@box@dd#1#2#3{%
17003 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
17004 \setlength\@tempdima{#1}%
17005 \setlength\@tempdimb{#2}%
17006 \Gscale@div\@tempa\@tempdima\@tempdimb
17007 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
17008 \@end@tempboxa}
17009 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
17010 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
17011 \setlength\@tempdima{#1}%
17012 \setlength\@tempdimb{#2}%
17013 \Gscale@div\@tempa\@tempdima\@tempdimb
17014 \setlength\@tempdima{#3}%
17015 \setlength\@tempdimb{#4}%
17016 \Gscale@div\@tempb\@tempdima\@tempdimb
17017 \ifgin@iso
17018 \ifdim\@tempa\p>\@tempb\p@
17019 \let\@tempa\@tempb
17020 \else
17021 \let\@tempb\@tempa
17022 \fi
17023 \fi
17024 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
17025 \@end@tempboxa}

```

100 File geometry-xetex-bidi.def

```

17026 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
17027 \renewcommand*{\Gm@vrules@mpi}{%
17028 \if@RTLmain%
17029   \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
17030     \llap{\Gm@vrule}\ignorespaces
17031     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
17032     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
17033   \else%
17034 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
17035 \hskip \textwidth\Gm@vrule\hskip \marginparsep
17036 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%

```



```

17037 \renewcommand*{\Gm@vrules@mpii}{%
17038 \if@RTLmain%
17039   \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
17040   \hskip \textwidth\Gm@vrule\hskip \marginparsep
17041   \llap{\Gm@vrule}\hfil\Gm@vrule}%
17042 \else%
17043   \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
17044   \llap{\Gm@vrule}\ignorespaces
17045   \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
17046   \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
17047 \bidi@patchcmd{\Gm@pageframes}{%
17048   \ifodd\count\z@
17049   \let\@themargin\oddsidemargin
17050   \else
17051   \let\@themargin\evensidemargin
17052   \fi
17053 }{%
17054   \ifodd\count\z@
17055   \if@RTLmain
17056     \let\@themargin\evensidemargin
17057   \else
17058     \let\@themargin\oddsidemargin
17059   \fi
17060   \else
17061   \if@RTLmain
17062     \let\@themargin\oddsidemargin
17063   \else
17064     \let\@themargin\evensidemargin
17065   \fi
17066   \fi
17067 }{}{}

```

101 File hvfloat-xetex-bidi.def

```

17068 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
17069 \def\do@hvFloat[#1]#2#3{%
17070 \def\hv@shortCap{#1}
17071 \def\hv@longCap{#2}
17072 \def\hv@label{#3}
17073 %\newcommand*{\hvFloat}[5][ ]{%
17074 % [#1]: keyvalues
17075 % #2: type figure | table | ...
17076 % #3: float contents
17077 % [#4]: short caption
17078 % #5: caption
17079 % #6: label
17080 % \setDefault%
17081 % \def\@tempa{#1}%
17082 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
17083 \def\@tempa{90}%
17084 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
17085 \else \setlength{\hvMaxCapWidth}{\linewidth}
17086 \fi
17087 %

```



```

17088 % First we save the object in \hvObjectBox
17089 %
17090 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
17091 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
17092 \else
17093 \savebox{\hvObjectBox}{%
17094 \rotatebox{\hvSet@objectAngle}{%
17095 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
17096 \fi
17097 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
17098 %
17099 % Now we save the caption with its defined \hvCapWidth
17100 %
17101 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
17102 \else
17103 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
17104 \else
17105 \setlength{\hvCapWidth}{\hvObjectWidth}
17106 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
17107 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
17108 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
17109 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
17110 \else
17111 \setlength{\hvCapWidth}{\hvMaxCapWidth}
17112 \fi
17113 \fi
17114 \fi
17115 %
17116 % now we have the object and the caption with the right
17117 % rotated angles saved in boxes
17118 %
17119 \def\fps@figure{\hvSet@floatPos}
17120 \ifhv@nonFloat\begin{group}% Start the nonfloat part
17121 \else \begin{\hv@floatType}% Start the floating environment
17122 \fi%
17123 \saveCaptionSkip% we put this space ourselves
17124 \ifx\hvSet@capAngle\hv@Width % need rotation?
17125 \sbox{\hvCaptionBox}{%
17126 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17127 \ifhv@nonFloat%
17128 \ifhv@onlyText#2%
17129 \else%
17130 \ifx\hv@floatType\hv@figure
17131 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
17132 \else
17133 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
17134 \fi
17135 \fi
17136 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
17137 \fi%
17138 \label{#3}%
17139 \end{minipage}%
17140 }%
17141 \else%

```




```

17142 \sbox{\hvCaptionBox}{%
17143 \rotatebox{\hvSet@capAngle}{%
17144 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17145 \ifhv@nonFloat%
17146 \ifhv@onlyText#2%
17147 \else%
17148 \ifx\hv@floatType\hv@figure
17149 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
17150 \else
17151 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
17152 \fi
17153 \fi
17154 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
17155 \fi%
17156 \label{#3}%
17157 \end{minipage}%
17158 }%
17159 }%
17160 \fi%
17161 %%
17162 \restoreCaptionSkip% save old values
17163 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
17164 \else%
17165 \ifx\hvSet@objectPos\hv@Center
17166 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
17167 \fi%
17168 \fi%
17169 %
17170 % to rotate object and caption together, we save all in another box
17171 % the caption comes first, if its on the left or the top
17172 %
17173 \savebox{\@tempboxa}{%
17174 \ifx\hvSet@capPos\hv@Left % caption on left side
17175 \if@RTL%
17176 \ifx\hvSet@capVPos\hv@Center%
17177 \ifhv@fbox
17178 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17179 \else
17180 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17181 \fi%
17182 \hspace{\hvSet@floatCapSep pt}%
17183 \ifhv@fbox
17184 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17185 \else
17186 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17187 \fi%
17188 \else%
17189 \ifx\hvSet@capVPos\hv@Top
17190 \ifhv@fbox
17191 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17192 \else
17193 \raisebox{-\height}{\usebox{\hvObjectBox}}%
17194 \fi%
17195 \hspace{\hvSet@floatCapSep pt}%

```



```

17196     \ifhv@fbox
17197     \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17198     \else
17199     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17200     \fi
17201     \else
17202     \ifhv@fbox
17203     \fbox{\usebox{\hvObjectBox}}%
17204     \else
17205     \usebox{\hvObjectBox}%
17206     \fi
17207     \hspace{\hvSet@floatCapSep pt}%
17208     \ifhv@fbox
17209     \fbox{\usebox{\hvCaptionBox}}%
17210     \else
17211     \usebox{\hvCaptionBox}%
17212     \fi%
17213     \fi%
17214 \fi%
17215 \else% not RTL
17216     \ifx\hvSet@capVPos\hv@Center%
17217     \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17218     \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17219     \fi%
17220     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17221     \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17222     \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17223     \fi%
17224 \else%
17225     \ifx\hvSet@capVPos\hv@Top % caption at top
17226     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17227     \else     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17228     \fi
17229     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17230     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17231     \else     \raisebox{-\height}{\usebox{\hvObjectBox}}%
17232     \fi%
17233     \else% caption on bottom
17234     \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
17235     \else\usebox{\hvCaptionBox}
17236     \fi%
17237     \hspace{\hvSet@floatCapSep pt}%
17238     \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
17239     \else     \usebox{\hvObjectBox}
17240     \fi%
17241     \fi%
17242 \fi% end of RTL
17243 \fi%
17244 \else
17245     \ifx\hvSet@capPos\hv@Top
17246     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17247     \begin{minipage}{\wd\hvCaptionBox}
17248     \else
17249     \begin{minipage}{\wd\hvObjectBox}

```



```

17250 \fi
17251 \centering
17252 \ifhv@fbox
17253 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
17254 \fbox{\usebox{\hvObjectBox}}
17255 \else
17256 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
17257 \usebox{\hvObjectBox}
17258 \fi%
17259 \end{minipage}
17260 \else
17261 \ifx\hvSet@capPos\hv@Bottom
17262 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17263 \begin{minipage}{\wd\hvCaptionBox}
17264 \else
17265 \begin{minipage}{\wd\hvObjectBox}
17266 \fi
17267 \centering
17268 \ifhv@fbox
17269 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
17270 \fbox{\usebox{\hvCaptionBox}}
17271 \else
17272 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
17273 \usebox{\hvCaptionBox}
17274 \fi%
17275 \end{minipage}
17276 \else% the last option: put the caption on the right
17277 \if@RTL%
17278 \ifx\hvSet@capVPos\hv@Center%
17279 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17280 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17281 \fi%
17282 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17283 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
17284 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
17285 \fi%
17286 \else%
17287 \ifx\hvSet@capVPos\hv@Top % caption at top
17288 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17289 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17290 \fi
17291 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17292 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17293 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
17294 \fi%
17295 \else% caption on bottom
17296 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
17297 \else\usebox{\hvCaptionBox}
17298 \fi%
17299 \hspace{\hvSet@floatCapSep pt}%
17300 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
17301 \else \usebox{\hvObjectBox}
17302 \fi%
17303 \fi%

```



```

17304 \fi%
17305 \else% not RTL
17306 \ifx\hvSet@capVPos\hv@Center%
17307 \ifhv@fbox
17308 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17309 \else
17310 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17311 \fi%
17312 \hspace{\hvSet@floatCapSep pt}%
17313 \ifhv@fbox
17314 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17315 \else
17316 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17317 \fi%
17318 \else%
17319 \ifx\hvSet@capVPos\hv@Top
17320 \ifhv@fbox
17321 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17322 \else
17323 \raisebox{-\height}{\usebox{\hvObjectBox}}%
17324 \fi%
17325 \hspace{\hvSet@floatCapSep pt}%
17326 \ifhv@fbox
17327 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17328 \else
17329 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17330 \fi
17331 \else
17332 \ifhv@fbox
17333 \fbox{\usebox{\hvObjectBox}}%
17334 \else
17335 \usebox{\hvObjectBox}%
17336 \fi
17337 \hspace{\hvSet@floatCapSep pt}%
17338 \ifhv@fbox
17339 \fbox{\usebox{\hvCaptionBox}}%
17340 \else
17341 \usebox{\hvCaptionBox}%
17342 \fi%
17343 \fi%
17344 \fi
17345 \fi% end of RTL
17346 \fi
17347 \fi
17348 \fi
17349 }% End savebox Object and caption
17350 %
17351 % now we rotate the object and caption, if needed
17352 %
17353 \ifx\hvSet@rotAngle\hv@Zero
17354 \usebox{\@tempboxa}
17355 \else
17356 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
17357 \fi

```



```

17358 \ifhv@nonFloat
17359 \ifx\hvSet@objectPos\hv@Center
17360 \ifhv@nonFloat
17361 \hspace{\fill}
17362 \fi
17363 \fi
17364 \endgroup% End the nonfloat part
17365 \else
17366 \end{\hv@floatType}% End the floating environment
17367 \fi
17368 }

```

102 File hyperref-xetex-bidi.def

```

17369 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
17370 \AtBeginDocument{%
17371 \def\contentsline#1#2#3#4{%
17372 \ifx\#4\%
17373 \csname l@#1\endcsname{#2}{#3}%
17374 \else
17375 \ifcase\Hy@linktoc % none
17376 \csname l@#1\endcsname{#2}{#3}%
17377 \or % section
17378 \csname l@#1\endcsname{%
17379 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17380 }{#3}%
17381 \or % page
17382 \csname l@#1\endcsname{#2}{#3}{%
17383 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17384 }%
17385 \else % all
17386 \csname l@#1\endcsname{%
17387 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17388 }{#3}{%
17389 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17390 }%
17391 \fi
17392 \fi
17393 }
17394 \ifHy@hyperfootnotes
17395 \let\H@@footnotetext\@footnotetext
17396 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
17397 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
17398 \def\xfootnotenext[#1]{%
17399 \begingroup
17400 \csname c@\mpfn\endcsname #1\relax
17401 \unrestored@protected@xdef\thempfn{\thempfn}%
17402 \endgroup
17403 \ifx\@footnotetext\@mpfootnotetext
17404 \expandafter\H@@mpfootnotetext
17405 \else
17406 \expandafter\H@@footnotetext
17407 \fi
17408 }%

```



```

17409 \def\xRTLfootnotenext[#1]{%
17410 \begingroup
17411 \csname c@\mpfn\endcsname #1\relax
17412 \unrestored@protected@xdef\@thefnmark{\thempfn}%
17413 \endgroup
17414 \ifx\RTLfootnotetext\mpRTLfootnotetext
17415 \expandafter\HRTL@\mpRTLfootnotetext
17416 \else
17417 \expandafter\HRTL@\RTLfootnotetext
17418 \fi
17419 }%
17420 \def\xLTRfootnotenext[#1]{%
17421 \begingroup
17422 \csname c@\mpfn\endcsname #1\relax
17423 \unrestored@protected@xdef\@thefnmark{\thempfn}%
17424 \endgroup
17425 \ifx\LTRfootnotetext\mpLTRfootnotetext
17426 \expandafter\HLTR@\mpLTRfootnotetext
17427 \else
17428 \expandafter\HLTR@\LTRfootnotetext
17429 \fi
17430 }%
17431 \def\xfootnotemark[#1]{%
17432 \begingroup
17433 \c@footnote #1\relax
17434 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
17435 \endgroup
17436 \H@\footnotemark
17437 }%
17438 \let\H@\mpfootnotetext\mpfootnotetext
17439 \let\HRTL@\mpRTLfootnotetext\mpRTLfootnotetext
17440 \let\HLTR@\mpLTRfootnotetext\mpLTRfootnotetext
17441 \long\def\mpfootnotetext#1{%
17442 \H@\mpfootnotetext{%
17443 \ifHy@nesting
17444 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17445 \else
17446 \Hy@raisedlink{%
17447 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17448 }#1%
17449 \fi
17450 }%
17451 }%
17452 \long\def\mpRTLfootnotetext#1{%
17453 \HRTL@\mpRTLfootnotetext{%
17454 \ifHy@nesting
17455 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17456 \else
17457 \Hy@raisedlink{%
17458 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17459 }#1%
17460 \fi
17461 }%
17462 }%

```



```

17463 \long\def\@mplTRfootnotetext#1{%
17464 \HLTR@mplTRfootnotetext{%
17465 \ifHy@nesting
17466 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17467 \else
17468 \Hy@raisedlink{%
17469 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17470 }#1%
17471 \fi
17472 }%
17473 }%
17474 \long\def\@footnotetext#1{%
17475 \H@footnotetext{%
17476 \ifHy@nesting
17477 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17478 \else
17479 \Hy@raisedlink{%
17480 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17481 }%
17482 \let\@currentHlabel\Hy@footnote@currentHlabel
17483 \let\@currentHref\Hy@footnote@currentHref
17484 \let\@currentlabelname\@empty
17485 #1%
17486 \fi
17487 }%
17488 }%
17489 \long\def\@RTLfootnotetext#1{%
17490 \HRTL@RTLfootnotetext{%
17491 \ifHy@nesting
17492 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17493 \else
17494 \Hy@raisedlink{%
17495 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17496 }%
17497 \let\@currentHlabel\Hy@footnote@currentHlabel
17498 \let\@currentHref\Hy@footnote@currentHref
17499 \let\@currentlabelname\@empty
17500 #1%
17501 \fi
17502 }%
17503 }%
17504 \long\def\@LTRfootnotetext#1{%
17505 \HLTR@LTRfootnotetext{%
17506 \ifHy@nesting
17507 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17508 \else
17509 \Hy@raisedlink{%
17510 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17511 }%
17512 \let\@currentHlabel\Hy@footnote@currentHlabel
17513 \let\@currentHref\Hy@footnote@currentHref
17514 \let\@currentlabelname\@empty
17515 #1%
17516 \fi

```



```

17517 }%
17518 }%
17519 \@ifpackageloaded{tabularx}{%
17520 \let\HyOrg@TX@endtabularx\TX@endtabularx
17521 \def\Hy@tabularx@hook{%
17522 \let\@footnotetext\H@@footnotetext
17523 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
17524 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
17525 \let\@footnotemark\H@@footnotemark
17526 \let\@mpfootnotetext\H@@mpfootnotetext
17527 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
17528 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
17529 }%
17530 \begingroup
17531 \toks@\expandafter{\TX@endtabularx}%
17532 \xdef\Hy@gtemp{%
17533 \noexpand\Hy@tabularx@hook
17534 \the\toks@
17535 }%
17536 \endgroup
17537 \let\TX@endtabularx\Hy@gtemp
17538 }{}%
17539 \@ifpackageloaded{longtable}{%
17540 \CheckCommand*{\LT@p@LTRftntext}[1]{%
17541 \edef\@tempa{%
17542 \the\LT@p@ftn
17543 \noexpand\LTRfootnotetext[\the\c@footnote]}%
17544 }%
17545 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17546 }%
17547 \long\def\LT@p@LTRftntext#1{%
17548 \edef\@tempa{%
17549 \the\LT@p@ftn
17550 \begingroup
17551 \noexpand\c@footnote=\the\c@footnote\relax
17552 \noexpand\protected@xdef\noexpand\@thefnmark{%
17553 \noexpand\thempfn
17554 }%
17555 \noexpand\Hy@LT@LTRfootnotetext{%
17556 \Hy@footnote@currentHref
17557 }%
17558 }%
17559 \global\LT@p@ftn\expandafter{%
17560 \@tempa{#1}%
17561 \endgroup
17562 }%
17563 }%
17564 \long\def\Hy@LT@LTRfootnotetext#1#2{%
17565 \HLTR@@LTRfootnotetext{%
17566 \ifHy@nesting
17567 \hyper@@anchor{#1}{#2}%
17568 \else
17569 \Hy@raisedlink{%
17570 \hyper@@anchor{#1}{\relax}%

```




```

17571     }%
17572     \def\@currentHref{#1}%
17573     \let\@currentlabelname\@empty
17574     #2%
17575     \fi
17576   }%
17577 }%
17578 \CheckCommand*\LT@p@RTLftntext}[1]{%
17579   \edef\@tempa{%
17580     \the\LT@p@ftn
17581     \noexpand\RTLfootnotetext[\the\c@footnote]%
17582   }%
17583   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17584 }%
17585 \long\def\LT@p@RTLftntext#1{%
17586   \edef\@tempa{%
17587     \the\LT@p@ftn
17588     \begingroup
17589     \noexpand\c@footnote=\the\c@footnote\relax
17590     \noexpand\protected@xdef\noexpand\@thefnmark{%
17591       \noexpand\thempfn
17592     }%
17593     \noexpand\Hy@LT@RTLfootnotetext{%
17594       \Hy@footnote@currentHref
17595     }%
17596   }%
17597   \global\LT@p@ftn\expandafter{%
17598     \@tempa{#1}%
17599   \endgroup
17600 }%
17601 }%
17602 \long\def\Hy@LT@RTLfootnotetext#1#2{%
17603   \RTL@RTLfootnotetext{%
17604     \ifHy@nesting
17605       \hyper@@anchor{#1}{#2}%
17606     \else
17607       \Hy@raisedlink{%
17608         \hyper@@anchor{#1}{\relax}%
17609       }%
17610       \def\@currentHref{#1}%
17611       \let\@currentlabelname\@empty
17612       #2%
17613     \fi
17614   }%
17615 }%
17616 }{}%
17617 \@ifpackageloaded{bidipoem}{%
17618   \long\def\bidipoem@p@ftntext#1{%
17619     \edef\@tempx{%
17620       \the\bidipoem@p@ftn
17621     \begingroup
17622     \noexpand\c@name c@\@mpfn\endcsname=\the\c@name c@\@mpfn\endcsname\relax
17623     \noexpand\protected@xdef\noexpand\@thefnmark{%
17624       \noexpand\thempfn

```



```

17625     }%
17626     \noexpand\Hy@bidipoem@footnotetext{%
17627         \Hy@footnote@currentHref
17628     }%
17629 }%
17630 \global\bidipoem@p@ftn\expandafter{%
17631     \@tempx{#1}%
17632 \endgroup
17633 }%
17634 }%
17635 \long\def\Hy@bidipoem@footnotetext#1#2{%
17636     \H@@@footnotetext{%
17637         \ifHy@nesting
17638             \hyper@@anchor{#1}{#2}%
17639         \else
17640             \Hy@raisedlink{%
17641                 \hyper@@anchor{#1}{\relax}%
17642             }%
17643             \def\@currentHref{#1}%
17644             \let\@currentlabelname\@empty
17645             #2%
17646         \fi
17647     }%
17648 }%
17649 \long\def\bidipoem@p@LTRftntext#1{%
17650 \edef\@tempxi{%
17651     \the\bidipoem@p@ftn
17652 \begingroup
17653     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17654     \noexpand\protected@xdef\noexpand\@thefnmark{%
17655         \noexpand\thempfn
17656     }%
17657     \noexpand\Hy@bidipoem@LTRfootnotetext{%
17658         \Hy@footnote@currentHref
17659     }%
17660 }%
17661 \global\bidipoem@p@ftn\expandafter{%
17662     \@tempxi{#1}%
17663 \endgroup
17664 }%
17665 }%
17666 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
17667     \HLTR@@LTRfootnotetext{%
17668         \ifHy@nesting
17669             \hyper@@anchor{#1}{#2}%
17670         \else
17671             \Hy@raisedlink{%
17672                 \hyper@@anchor{#1}{\relax}%
17673             }%
17674             \def\@currentHref{#1}%
17675             \let\@currentlabelname\@empty
17676             #2%
17677         \fi
17678     }%

```



```

17679 }%
17680 \long\def\bidipoem@p@RTLftntext#1{%
17681 \edef@tempyii{%
17682 \the\bidipoem@p@ftn
17683 \begingroup
17684 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17685 \noexpand\protected@xdef\noexpand\@thefnmark{%
17686 \noexpand\thempfn
17687 }%
17688 \noexpand\Hy@bidipoem@RTLfootnotetext{%
17689 \Hy@footnote@currentHref
17690 }%
17691 }%
17692 \global\bidipoem@p@ftn\expandafter{%
17693 \@tempyii{#1}%
17694 \endgroup
17695 }%
17696 }%
17697 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
17698 \HRTL@@RTLfootnotetext{%
17699 \ifHy@nesting
17700 \hyper@@anchor{#1}{#2}%
17701 \else
17702 \Hy@raisedlink{%
17703 \hyper@@anchor{#1}{\relax}%
17704 }%
17705 \def\@currentHref{#1}%
17706 \let\@currentlabelname\@empty
17707 #2%
17708 \fi
17709 }%
17710 }%
17711 }-}%
17712 \let\HyOrg@maketitle\maketitle
17713 \def\maketitle{%
17714 \let\Hy@saved@footnotemark\@footnotemark
17715 \let\Hy@saved@footnotetext\@footnotetext
17716 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
17717 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
17718 \let\@footnotemark\H@@footnotemark
17719 \let\@footnotetext\H@@footnotetext
17720 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
17721 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
17722 \@ifnextchar[\Hy@maketitle@optarg{ } ]
17723 \HyOrg@maketitle
17724 \Hy@maketitle@end
17725 }%
17726 }%
17727 \def\Hy@maketitle@optarg[#1]{%
17728 \HyOrg@maketitle[#{#1}]%
17729 \Hy@maketitle@end
17730 }%
17731 \def\Hy@maketitle@end{%
17732 \ifx\@footnotemark\H@@footnotemark

```



```

17733     \let\@footnotemark\Hy@saved@footnotemark
17734     \fi
17735     \ifx\@footnotetext\H@@footnotetext
17736         \let\@footnotetext\Hy@saved@footnotetext
17737     \fi
17738     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
17739         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
17740     \fi
17741     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
17742         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
17743     \fi
17744 }%
17745 \def\realfootnote{%
17746     \@ifnextchar[\@xfootnote{%
17747         \stepcounter{\@mpfn}%
17748         \protected@xdef\@thefnmark{\thempfn}%
17749         \H@@@footnotemark\H@@@footnotetext
17750     }%
17751 }%
17752 \fi
17753 \def\Hy@BeginAnnot#1{%
17754     \ifmmode\else\beginL\fi%
17755     \global\advance\c@Hy@AnnotLevel\@ne
17756     \ifnum\c@Hy@AnnotLevel=\@ne
17757         #1%
17758     \fi
17759 }
17760 \def\Hy@EndAnnot{%
17761     \ifnum\c@Hy@AnnotLevel=\@ne
17762         \Hy@endcolorlink
17763         \@pdfm@mark{eann}%
17764     \fi
17765     \global\advance\c@Hy@AnnotLevel\m@ne
17766     \ifmmode\else\endL\fi%
17767 }
17768 \def\hyper@link#1#2#3{%
17769     \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
17770 }
17771 \def\hyper@linkfile#1#2#3{%
17772     \leavevmode
17773     \Hy@BeginAnnot{%
17774         \def\Hy@pstringF{#2}%
17775         \Hy@CleanupFile\Hy@pstringF
17776         \Hy@pstringdef\Hy@pstringF\Hy@pstringF
17777         \Hy@pstringdef\Hy@pstringD{#3}%
17778         \Hy@MakeRemoteAction
17779         \@pdfm@mark{%
17780             bann<<%
17781             /Type/Annot%
17782             /Subtype/Link%
17783             \ifHy@pdfa /F 4\fi
17784             \Hy@setpdfborder
17785             \ifx\@filebordercolor\relax
17786                 \else

```



```

17787         /C[\@filebordercolor]%
17788     \fi
17789     /A<<%
17790         /S/GoToR%
17791         /F(\Hy@pstringF)%
17792         /D%
17793         \ifx\#3\%
17794             [\Hy@href@page\@pdfremotestartview]%
17795         \else
17796             (\Hy@pstringD)%
17797         \fi
17798         \Hy@SetNewWindow
17799         \Hy@href@nextactionraw
17800     >>%
17801 >>%
17802 }%
17803 \Hy@colorlink\@filecolor
17804 }%
17805 \ifmode\else\if@RTL\beginR\fi\fi#1\ifmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17806 \Hy@endAnnot
17807 }
17808 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
17809 \leavevmode
17810 \Hy@BeginAnnot{%
17811     \Hy@pstringdef\Hy@pstringF{#1}%
17812     \Hy@pstringdef\Hy@pstringP{#3}%
17813     \@pdfmark{%
17814         bann<<%
17815             /Type/Annot%
17816             /Subtype/Link%
17817             \ifHy@pdfa /F 4\fi
17818             \Hy@setpdfborder
17819             \ifx\@runbordercolor\relax
17820             \else
17821                 /C[\@runbordercolor]%
17822             \fi
17823             /A<<%
17824             /F(\Hy@pstringF)%
17825             /S/Launch%
17826             \Hy@SetNewWindow
17827             \ifx\#3\%
17828             \else
17829                 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
17830             \fi
17831             \Hy@href@nextactionraw
17832         >>%
17833     >>%
17834 }%
17835 \Hy@colorlink\@runcolor
17836 }%
17837 \ifmode\else\if@RTL\beginR\fi\fi#2\ifmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17838 \Hy@endAnnot
17839 }
17840 \def\hyper@linkurl#1#2{%

```



```

17841 \leavevmode
17842 \Hy@BeginAnnot{%
17843   \Hy@pstringdef\Hy@pstringURI{#2}%
17844   \@pdfm@mark{%
17845     bann<<%
17846     /Type/Annot%
17847     /Subtype/Link%
17848     \ifHy@pdfa /F 4\fi
17849     \Hy@setpdfborder
17850     \ifx\@urlbordercolor\relax
17851     \else
17852       /C[\@urlbordercolor]%
17853     \fi
17854     /A<<%
17855     /S/URI%
17856     /URI(\Hy@pstringURI)%
17857     \ifHy@href@ismap
17858       /IsMap true%
17859     \fi
17860     \Hy@href@nextactionraw
17861     >>%
17862   >>%
17863   }%
17864   \Hy@colorlink\@urlcolor
17865 }%
17866 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17867 \Hy@EndAnnot
17868 }
17869 \def\Acrobatmenu#1#2{%
17870   \Hy@Acrobatmenu{#1}{#2}{%
17871     \Hy@BeginAnnot{%
17872       \EdefEscapeName\Hy@temp@menu{#1}%
17873       \@pdfm@mark{%
17874         bann<<%
17875         /Type/Annot%
17876         /Subtype/Link%
17877         \ifHy@pdfa /F 4\fi
17878         \Hy@setpdfborder
17879         \ifx\@menubordercolor\relax
17880         \else
17881           /C[\@menubordercolor]%
17882         \fi
17883         /A<<%
17884         /S/Named%
17885         /N/\Hy@temp@menu
17886         \Hy@href@nextactionraw
17887         >>%
17888       >>%
17889       }%
17890       \Hy@colorlink\@menucolor
17891     }%
17892     \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17893     \Hy@EndAnnot
17894   }%

```



```

17895 }
17896 \def\hyper@natlinkstart#1{%
17897   \Hy@backout{#1}%
17898   \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
17899   \def\hyper@nat@current{#1}%
17900 }
17901 \def\hyper@natlinkend{%
17902   \if@RTL\endR\fi\hyper@linkend
17903 }
17904 \def\hyper@natlinkbreak#1#2{%
17905   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
17906 }%
17907 }
17908 \pdfstringdefDisableCommands{%
17909   \let\LRE\@firstofone
17910   \let\LR\@firstofone
17911   \let\RLE\@firstofone
17912   \let\RL\@firstofone
17913   \def\XeTeX{Xe\TeX}%
17914   \def\XeLaTeX{Xe\LaTeX}%
17915 }
17916 \ifpackageloaded{longtable}{%
17917   \begingroup
17918     \def\y{\LT@array}%
17919     \ifundefined{scr@LT@array}{%
17920       \ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
17921     }{\def\y{scr@LT@array}}%
17922     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
17923       \expandafter\endgroup
17924       \expandafter\def\y[##1]##2{%
17925         \H@refstepcounter{#1}%
17926         \hyper@makecurrent{table}%
17927         \let\Hy@LT@currentHref\@currentHref
17928         #2\@sharp####4%
17929       }%
17930     }%
17931     \expandafter\expandafter\expandafter\x\y[##1][##2]\@nil
17932   \begingroup
17933     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
17934       \endgroup
17935       \def\LT@start{%
17936         #1%
17937         \ifvoid\LT@foot#2\fi
17938         \let\@currentHref\Hy@LT@currentHref
17939         \Hy@raisedlink{%
17940           \hyper@anchorstart{\@currentHref}\hyper@anchorend
17941         }%
17942         #3%
17943       }%
17944     }%
17945   \expandafter\x\LT@start\@nil
17946 }{}
17947 \bidi@patchcmd\@TextField{%
17948   \pdfm@mark

```



```

17949 }{%
17950   \if@RTL
17951     \hskip\Fld@width
17952   \fi
17953   \@pdfm@mark
17954 }{}{}
17955 \bidi@patchcmd\@TextField{%
17956   \unhbox
17957 }{%
17958   \if@RTL
17959     \hskip-\Fld@width
17960   \fi
17961   \unhbox
17962 }{}{}
17963 \bidi@patchcmd\@@Radio{%
17964   \@pdfm@mark
17965 }{%
17966   \if@RTL
17967     \hskip\Fld@width
17968   \fi
17969   \@pdfm@mark
17970 }{}{}
17971 \bidi@patchcmd\@@Radio{%
17972   \unhcopy
17973 }{%
17974   \if@RTL
17975     \hskip-\Fld@width
17976   \fi
17977   \unhcopy
17978 }{}{}
17979 \bidi@patchcmd\@Submit{%
17980   \@pdfm@mark
17981 }{%
17982   \if@RTL
17983     \null
17984     \hskip\wd\pdfm@box
17985   \fi
17986   \@pdfm@mark
17987 }{}{}
17988 \bidi@patchcmd\@Submit{%
17989   \unhbox
17990 }{%
17991   \if@RTL
17992     \hskip-\wd\pdfm@box
17993   \fi
17994   \unhbox
17995 }{}{}
17996 \bidi@patchcmd\@Reset{%
17997   \@pdfm@mark
17998 }{%
17999   \if@RTL
18000     \null
18001     \hskip\wd\pdfm@box
18002   \fi

```




```

18003 \@pdfm@mark
18004 }{}{}
18005 \bidi@patchcmd\@Reset{%
18006 \unhbox
18007 }{%
18008 \ifRTL
18009 \hskip-\wd\pdfm@box
18010 \fi
18011 \unhbox
18012 }{}{}

```

103 File `imsproc-xetex-bidi.def`

```

18013 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for
18014 \newenvironment{thebibliography}[1]{}%
18015 \@bibtitlestyle
18016 \normalfont\bibliofont\labelsep .5em\relax
18017 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
18018 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
18019 \bidi@thebibliography@font@hook
18020 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
18021 \leftmargin\labelwidth \advance\leftmargin\labelsep
18022 \usecounter{enumiv}}%
18023 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
18024 \sfcode`\.=\@m
18025 }{%
18026 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
18027 \endlist
18028 }
18029
18030 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
18031 \columnseprule\z@ \columnsep 35\p@
18032 \@indextitlestyle
18033 \thispagestyle{plain}%
18034 \let\item\@idxitem
18035 \parindent\z@ \parskip\z@\@plus.3\p@\relax
18036 \ifRTL\raggedleft\else\raggedright\fi
18037 \hyphenpenalty\@M
18038 \footnotesize}
18039 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
18040 \def\subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
18041 \def\subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
18042
18043 \def\right@footnoterule{%
18044 \kern-.4\p@
18045 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
18046 \kern11\p@\kern-\footnotesep}
18047 \def\left@footnoterule{\kern-.4\p@
18048 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
18049 \def\@makefnmark{%
18050 \leavevmode
18051 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
18052 }
18053

```



```

18054 \def\part{\@startsection{part}{0}%
18055 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
18056 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
18057 \def\@tocline#1#2#3#4#5#6#7{\relax
18058 \ifnum #1>\c@tocdepth % then omit
18059 \else
18060 \par \addpenalty\@secpenalty\addvspace{#2}%
18061 \begingroup \hyphenpenalty\@M
18062 \@ifempty{#4}{%
18063 \@tempdima\c@tocdepth\@tocindent\@number#1\@endcsname\relax
18064 }{%
18065 \@tempdima#4\relax
18066 }%
18067 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#5
18068 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
18069 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
18070 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
18071 \nobreak
18072 \endgroup
18073 \fi}
18074 \renewcommand\thesubsection {\thesubsection\@SepMark\arabic{subsection}}
18075 \renewcommand\thesubsubsection {\thesubsubsection\@SepMark\arabic{subsubsection}}
18076 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
18077 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
18078 \def\maketitle{\par
18079 \@topnum\z@ % this prevents figures from falling at the top of page 1
18080 \@setcopyright
18081 \thispagestyle{firstpage}% this sets first page specifications
18082 \uppercase\nonmath\shorttitle
18083 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
18084 \else \andify\shortauthors
18085 \fi
18086 \@maketitle@hook
18087 \begingroup
18088 \@maketitle
18089 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
18090 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
18091 \edef\@tempa{%
18092 \@nx\markboth{\the\toks4
18093 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
18094 \@tempa
18095 \endgroup
18096 \c@footnote\z@
18097 \clearatopmattertags
18098 }

```

104 File leqno-xetex-bidi.def

```

18099 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
18100 \renewcommand\@eqnnum{\hb@xt@.01\p@{}%
18101 \rlap{\hskip -\displaywidth
18102 {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```



105 File letter-xetex-bidi.def

```
18103 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter cl
18104 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
18105   \thispagestyle{firstpage}%
18106   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
18107 \else % home address
18108   \thispagestyle{empty}%
18109   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
18110     \fromaddress \*[2\parskip]%
18111     \@date \end{tabular}\par}%
18112 \fi
18113 \vspace{2\parskip}%
18114 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
18115 \vspace{2\parskip}%
18116 #1\par\nobreak}
18117 \renewcommand\left@footnoterule{%
18118   \kern-\p@
18119   \hrule \@width .4\columnwidth
18120   \kern .6\p@}
18121 \renewcommand\right@footnoterule{%
18122   \kern-\p@
18123   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18124   \kern .6\p@}
```

106 File lettrine-xetex-bidi.def

```
18125 \ProvidesFile{lettrine-xetex-bidi.def}[2024/12/08 v0.9 bidi adaptations for lettrine package
18126 \RemoveFromHook{begindocument}[lettrine]
18127 \AtBeginDocument[lettrine]{%
18128   \if\DefaultOptionsFile\relax
18129   \else
18130     \InputIfFileExists{\DefaultOptionsFile}%
18131     {}%
18132     {\PackageWarning{lettrine.sty}%
18133       {File \DefaultOptionsFile\space not found}%
18134     }%
18135   \fi
18136   \let\ifL@RTL\if@RTL
18137 }
```

107 File lineno-xetex-bidi.def

```
18138 \ProvidesFile{lineno-xetex-bidi.def}[2024/12/07 v0.3 bidi adaptations for lineno package for
18139 \bidi@patchcmd{\MakeLineNo}{%
18140   \hb@xt@\z@{\makeLineNumber}%
18141 }{%
18142   \hboxL to \z@{\makeLineNumber}%
18143 }{}{}
18144
18145 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
18146   \if@RTL
18147     \hb@xt@\linenumberwidth{\LineNumber\hss}%
18148   \else
```



```

18149     \LineNumber
18150     \fi
18151 }{}{}
18152
18153 \bidi@patchcmd{\makeLineNumberRight}{%
18154     \hb@xt@\linenumberwidth{\hss\LineNumber}%
18155 }{%
18156     \if@RTL
18157         \LineNumber
18158     \else
18159         \hb@xt@\linenumberwidth{\hss\LineNumber}%
18160     \fi
18161 }{}{}
18162
18163 \bidi@AfterPreamble{%
18164     \if@RTLmain
18165         \rightlinenumbers*
18166     \else
18167         \leftlinenumbers*
18168     \fi
18169     \@ifpackagewith{lineno}{left}{%
18170         \leftlinenumbers*
18171     }{}
18172     \@ifpackagewith{lineno}{right}{%
18173         \rightlinenumbers*
18174     }{}
18175     \@ifpackagewith{lineno}{switch}{%
18176         \if@RTLmain
18177             \switchlinenumbers*%
18178         \else
18179             \switchlinenumbers
18180         \fi
18181     }{}
18182     \@ifpackagewith{lineno}{switch*}{%
18183         \if@RTLmain
18184             \switchlinenumbers
18185         \else
18186             \switchlinenumbers*%
18187         \fi
18188     }{}
18189 }
18190

```

108 File listings-xetex-bidi.def

```

18191 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
18192 \lst@Key{captiondirection}{textdirection}{%
18193     \lstKV@SwitchCases{#1}%
18194     {textdirection:\\%
18195         RTL:\chardef\bidi@lst@caption@direction\@ne\\%
18196         LTR:\chardef\bidi@lst@caption@direction\z@%
18197     }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18198
18199 \lst@Key{captionscript}{textscript}{%

```



```

18200 \lstKV@SwitchCases{#1}%
18201 {textscript:\%
18202 latin:\chardef\bidi@lst@caption@script\@ne%%
18203 nonlatin:\chardef\bidi@lst@caption@script\z@%
18204 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18205
18206 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
18207 \@ifundefined{bidi@lst@caption@direction}{-}{%
18208 \ifnum\bidi@lst@caption@direction=\z@%
18209 #1%
18210 \else%
18211 \ifnum\bidi@lst@caption@direction=\@ne%
18212 #2%
18213 \fi%
18214 \fi%
18215 }}
18216
18217 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
18218 \@ifundefined{bidi@lst@caption@script}{-}{%
18219 \ifnum\bidi@lst@caption@script=\z@%
18220 #1%
18221 \else%
18222 \ifnum\bidi@lst@caption@script=\@ne%
18223 #2%
18224 \fi%
18225 \fi%
18226 }}
18227
18228 \long\def\@bidi@lst@makecaption#1#2{%
18229 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18230 \vskip\abovcaptionskip
18231 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18232 \sbox\@tempboxa{%
18233 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
18234 #1: #2%
18235 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
18236 }%
18237 \ifdim \wd\@tempboxa >\hsize
18238 #1: #2\par
18239 \else
18240 \global \@minipagefalse
18241 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
18242 \fi
18243 \vskip\belowcaptionskip}%
18244 \def\lst@makecaption{\@bidi@lst@makecaption}
18245 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
18246 \bidi@AtEndPreamble{%
18247 \bidi@patchcmd{\lst@MakeCaption}{-%
18248 \ifx #1t%
18249 \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
18250 \expandafter\refstepcounter
18251 \fi \lstlisting}%
18252 }{%
18253 \ifx #1t%

```



```

18254     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18255     \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
18256         \expandafter\refstepcounter
18257     \fi {lstlisting}%
18258     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
18259 }{}{}%
18260 \bidi@patchcmd{\lst@MakeCaption}{%
18261     \addcontentsline{lol}{lstlisting}%
18262     {\protect\numberline{\thelstlisting}\lst@caption}%
18263 }{}%
18264 \begingroup%
18265     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18266     \addcontentsline{lol}{lstlisting}%
18267     {\protect\numberline{\thelstlisting}\lst@caption}%
18268 \endgroup%
18269 }{}{}%
18270 }
18271 \@ifpackageloaded{caption}{%
18272   \AtBeginCaption{%
18273     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18274     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18275   }
18276   \let\@bidi@lst@makecaption\caption@makecaption%
18277   \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
18278   \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
18279 }{}%
18280 \AtBeginDocument{%
18281   \@ifundefined{captionlabelfalse}{}{}%
18282   \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
18283   \@ifundefined{captionstartrue}{}{}%
18284   \def\lst@maketitle{\captionstartrue\@bidi@lst@makecaption\@empty}}%
18285 }%
18286 }
18287 \AtBeginDocument{
18288   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
18289   \lst@ifnumberbychapter
18290     \gdef\thelstlisting%
18291       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
18292   \else
18293     \gdef\thelstlisting{\@arabic\c@lstlisting}
18294   \fi}

```

109 File loadingorder-xetex-bidi.def

```

18295 \ProvidesFile{loadingorder-xetex-bidi.def}[2024/12/08 v0.99 making sure that bidi is the las
18296 \bidi@isloaded{amsmath}
18297 \bidi@isloaded{amstext}
18298 \bidi@isloaded{amsthm}
18299 \bidi@isloaded{animate}
18300 \bidi@isloaded{breqn}
18301 \bidi@isloaded{cals}
18302 \bidi@isloaded{caption}
18303 \bidi@isloaded{crop}
18304 \bidi@isloaded{cuted}

```



```

18305 \bidi@isloaded{cutwin}
18306 \bidi@isloaded{color}
18307 \bidi@isloaded{dblfnote}
18308 \bidi@isloaded{diagbox}
18309 \bidi@isloaded{xcolor}
18310 \bidi@isloaded{colortbl}
18311 \bidi@isloaded{float}
18312 \bidi@isloaded{floatrow}
18313 \bidi@isloaded{flowfram}
18314 \bidi@isloaded{framed}
18315 \bidi@isloaded{ftnright}
18316 \bidi@isloaded{xltextra}
18317 \bidi@isloaded{xunicode}
18318 \bidi@isloaded{wrapfig}
18319 \bidi@isloaded{graphicx}
18320 \bidi@isloaded{geometry}
18321 \bidi@isloaded{hvfloat}
18322 \bidi@isloaded{mdframed}
18323 \bidi@isloaded{midfloat}
18324 \bidi@isloaded{ntheorem}
18325 \bidi@isloaded{ntheorem-hyper}
18326 \bidi@isloaded{hyperref}
18327 \bidi@isloaded{fancybox}
18328 \bidi@isloaded{fancyhdr}
18329 \bidi@isloaded{fix2col}
18330 \bidi@isloaded{draftwatermark}
18331 \bidi@isloaded{empheq}
18332 \bidi@isloaded{overpic}
18333 \bidi@isloaded{pdfpages}
18334 \bidi@isloaded{listings}
18335 \bidi@isloaded{lettrine}
18336 \bidi@isloaded{lineno}
18337 \bidi@isloaded{media9}
18338 \bidi@isloaded{pstricks}
18339 \bidi@isloaded{pgf}
18340 \bidi@isloaded{picinpar}
18341 \bidi@isloaded{quotchap}
18342 \bidi@isloaded{tikz}
18343 \bidi@isloaded{titlesec}
18344 \bidi@isloaded{titletoc}
18345 \bidi@isloaded{array}
18346 \bidi@isloaded{soul}
18347 \bidi@isloaded{stabular}
18348 \bidi@isloaded{subfig}
18349 \bidi@isloaded{subfigure}
18350 \bidi@isloaded{supertabular}
18351 \bidi@isloaded{xtab}
18352 \bidi@isloaded{longtable}
18353 \bidi@isloaded{arydshln}
18354 \bidi@isloaded{multicol}
18355 \bidi@isloaded{multienum}
18356 \bidi@isloaded{minitoc}
18357 \bidi@isloaded{natbib}
18358 \bidi@isloaded{newfloat}

```



```

18359 \bidi@isloaded{ragged2e}
18360 \bidi@isloaded{rotating}
18361 \bidi@isloaded{tabls}
18362 \bidi@isloaded{tabulary}
18363 \bidi@isloaded{tocbasic}
18364 \bidi@isloaded{tocstyle}
18365 \bidi@isloaded{tocbibind}
18366 \bidi@isloaded{fontspec}
18367 \bidi@isloaded{arabxetex}
18368 \bidi@isloaded{polyglossia}
18369 \bidi@isloaded{fancyvrb}
18370 \AtBeginDocument{
18371   \if@bidi@amsmathloaded@else
18372     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi packag
18373   \fi%
18374   \if@bidi@amstextloaded@else
18375     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi packag
18376   \fi%
18377   \if@bidi@amsthmloaded@else
18378     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packag
18379   \fi%
18380   \if@bidi@animateloaded@else
18381     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi packag
18382   \fi%
18383   \if@bidi@breqnloaded@else
18384     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
18385   \fi%
18386   \if@bidi@calsloaded@else
18387     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi packag
18388   \fi%
18389   \if@bidi@captionloaded@else
18390     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi packag
18391   \fi%
18392   \if@bidi@croplloaded@else
18393     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi packag
18394   \fi%
18395   \if@bidi@colorloaded@else
18396     \@ifpackageloaded{hyperref}{}{
18397     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
18398   \fi%
18399   \if@bidi@cutwinloaded@else
18400     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packag
18401   \fi%
18402   \if@bidi@cutedloaded@else
18403     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
18404   \fi%
18405   \if@bidi@dblfnoteloaded@else
18406     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pac
18407   \fi%
18408   \if@bidi@diagboxloaded@else
18409     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
18410   \fi%
18411   \if@bidi@xcolorloaded@else
18412     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packag

```




```

18413 \fi%
18414 \if@bidi@colortblloaded@else
18415 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pac
18416 \fi%
18417 \if@bidi@floatloaded@else
18418 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
18419 \fi%
18420 \if@bidi@floatrowloaded@else
18421 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pac
18422 \fi%
18423 \if@bidi@flowframloaded@else
18424 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pac
18425 \fi%
18426 \if@bidi@framedloaded@else
18427 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packa
18428 \fi%
18429 \if@bidi@ftnrightloaded@else
18430 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pac
18431 \fi%
18432 \if@bidi@xltxtraloaded@else
18433 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi pack
18434 \fi%
18435 \if@bidi@xunicodeloaded@else
18436 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pac
18437 \fi%
18438 \if@bidi@wrapfigloaded@else
18439 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
18440 \fi%
18441 \if@bidi@graphicxloaded@else
18442 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pac
18443 \fi%
18444 \if@bidi@geometryloaded@else
18445 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pac
18446 \fi%
18447 \if@bidi@hvfloatloaded@else
18448 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
18449 \fi%
18450 \if@bidi@mdframedloaded@else
18451 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pac
18452 \fi%
18453 \if@bidi@midfloatloaded@else
18454 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pac
18455 \fi%
18456 \if@bidi@ntheoremloaded@else
18457 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pac
18458 \fi%
18459 \if@bidi@hyperrefloaded@else
18460 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pac
18461 \fi%
18462 \if@bidi@fancyboxloaded@else
18463 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pac
18464 \fi%
18465 \if@bidi@fancyhdrloaded@else
18466 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pac

```



```

18467 \fi%
18468 \if@bidi@draftwatermarkloaded@else
18469   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi packa
18470 \fi%
18471 \if@bidi@empheqloaded@else
18472   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
18473 \fi%
18474   \if@bidi@overpicloaded@else
18475     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
18476 \fi%
18477 \if@bidi@pdfpagesloaded@else
18478   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pac
18479 \fi%
18480 \if@bidi@lettrineloaded@else
18481   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pac
18482 \fi
18483 \if@bidi@linenoloaded@else
18484   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
18485 \fi%
18486 \if@bidi@listingsloaded@else
18487   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pac
18488 \fi%
18489 \csname if@bidi@media9loaded@endcsname@else
18490   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
18491 \fi%
18492 \if@bidi@pstricksloaded@else
18493   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
18494 \fi%
18495 \if@bidi@pgfloaded@else
18496   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
18497 \fi%
18498 \if@bidi@picinparloaded@else
18499   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac
18500 \fi%
18501 \if@bidi@quotchaploaded@else
18502   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
18503 \fi%
18504 \if@bidi@tikzloaded@else
18505   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
18506 \fi%
18507 \if@bidi@titlesecloaded@else
18508   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac
18509 \fi%
18510 \if@bidi@titletocloaded@else
18511   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
18512 \fi%
18513 \if@bidi@arrayloaded@else
18514   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
18515 \fi%
18516 \if@bidi@stabularloaded@else
18517   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
18518 \fi%
18519 \if@bidi@soulloaded@else
18520   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package

```



```

18521 \fi%
18522 \if@bidi@subfigloaded@\else
18523   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packa
18524 \fi%
18525 \if@bidi@subfigureloaded@\else
18526   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pa
18527 \fi%
18528 \if@bidi@supertabularloaded@\else
18529   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
18530 \fi%
18531 \if@bidi@xtabloaded@\else
18532   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
18533 \fi%
18534 \if@bidi@longtableloaded@\else
18535   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pa
18536 \fi%
18537 \if@bidi@arydshlnloaded@\else
18538   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pac
18539 \fi%
18540 \if@bidi@multicolloaded@\else
18541   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pac
18542 \fi%
18543 \if@bidi@multienumloaded@\else
18544   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pa
18545 \fi%
18546 \if@bidi@minitocloaded@\else
18547   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pack
18548 \fi%
18549 \if@bidi@natbibloaded@\else
18550   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packa
18551 \fi%
18552 \if@bidi@newfloatloaded@\else
18553   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pac
18554 \fi%
18555 \csname if@bidi@ragged2loaded@endcsname\else
18556   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pac
18557 \fi%
18558 \if@bidi@rotatingloaded@\else
18559   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pac
18560 \fi%
18561 \if@bidi@tblsloaded@\else
18562   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi packag
18563 \fi%
18564 \if@bidi@tabularyloaded@\else
18565   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pac
18566 \fi%
18567 \if@bidi@tocbasicloaded@\else
18568   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pac
18569 \fi%
18570 \if@bidi@tocstyleloaded@\else
18571   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pac
18572 \fi%
18573 \if@bidi@tocbibindloaded@\else
18574   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pa

```



```

18575 \fi%
18576 \if@bidi@fontspecloaded@\else
18577   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pac
18578 \fi%
18579 \if@bidi@arabxetexloaded@\else
18580   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pa
18581 \fi%
18582 \if@bidi@polyglossialoaded@\else
18583   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
18584 \fi%
18585 \if@bidi@fancyvrbloaded@\else
18586   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pac
18587 \fi%
18588 }

```

110 File longtable-xetex-bidi.def

```

18589 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable packa
18590 \def\LT@array[#1]#2{%
18591   \refstepcounter{table}\stepcounter{LT@tables}%
18592   \if l#1%
18593     \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
18594   \else\if r#1%
18595     \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
18596   \else\if c#1%
18597     \LTleft\fill \LTright\fill
18598   \fi\fi\fi
18599   \let\LT@mcoll\multicolumn
18600   \let\LT@@tabarray\@tabarray
18601   \let\LT@@hl\hline
18602   \def\@tabarray{%
18603     \let\hline\LT@@hl
18604     \LT@@tabarray}%
18605   \let\\LT@tabularcr\let\tabularnewline\\%
18606   \def\newpage{\noalign{\break}}%
18607   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{LT@no@pgbk-}4}%
18608   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{LT@no@pgbk4}}%
18609   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
18610   \@tempdima\ht\strutbox
18611   \let\@endpbox\LT@endpbox
18612   \ifx\extrarowheight\@undefined
18613     \let\@acol\@tabacol
18614     \let\@classz\@tabclassz \let\@classiv\@tabclassiv
18615     \def\@startpbox{\vtop\LT@startpbox}%
18616     \let\@@startpbox\@startpbox
18617     \let\@@endpbox\@endpbox
18618     \let\LT@LL@FM@cr\@tabularcr
18619   \else
18620     \advance\@tempdima\extrarowheight
18621     \col@sep\@tabcolsep
18622     \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
18623   \fi
18624   \setbox\@arstrutbox\hbox{\vrule
18625     \@height \arraystretch \@tempdima

```



```

18626 \@depth \arraystretch \dp \strutbox
18627 \@width \z@}%
18628 \let\@sharp#\let\protect\relax
18629 \begingroup
18630 \@mkpream{#2}%
18631 \xdef\LT@bchunk{%
18632 \global\advance\c@LT@chunks\@ne
18633 \global\LT@rows\z@\setbox\z@\vbox\bgroup
18634 \LT@setprevdepth
18635 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
18636 \tabskip\z@ \@arstrut \@preamble \tabskip\LTright \cr}%
18637 \endgroup
18638 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
18639 \LT@make@row
18640 \m@th\let\par\@empty
18641 \everycr{}\lineskip\z@\baselineskip\z@
18642 \LT@bchunk}
18643 \def\LT@makecaption#1#2#3{%
18644 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
18645 \sbox\@tempboxa{\ifRTL\beginR\fi#1{#2: }#3\ifRTL\endR\fi}%
18646 \ifdim\wd\@tempboxa>\hsize
18647 #1{#2: }#3%
18648 \else
18649 \hbox to\hsize{\hfil\box\@tempboxa\hfil}}%
18650 \fi
18651 \endgraf\vskip\baselineskip}%
18652 \hss}}
18653 \@ifpackageloaded{caption}{%
18654 \renewcommand\LT@makecaption[3]{%
18655 \caption@LT@make{%
18656 \caption@LT@settype\LTcaptiontype
18657 \caption@LT@setup
18658 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
18659 \caption@startrue#1\caption@starfalse
18660 \caption@prepare@stepcounter\LTcaptiontype
18661 \caption@begin\LTcaptiontype
18662 \caption@normalsize
18663 \vskip-\ht\strutbox
18664 \caption@ifdefined\FBifcapttop{%
18665 \let\caption@belowskip\@empty}{}%
18666 \caption@make@above
18667 \caption@@make{#2}{#3}\endgraf
18668 \caption@make@below
18669 \caption@end}}%
18670 }{}
18671 \def\LT@startpbox#1{%
18672 \bgroup\color@begingroup
18673 \let\@footnotetext\LT@p@ftntext
18674 \let\@LTRfootnotetext\LT@p@LTRftntext
18675 \let\@RTLfootnotetext\LT@p@RTLftntext
18676 \setlength\hsize{#1}%
18677 \arrayparboxrestore
18678 \vrule \@height \ht\@arstrutbox \@width \z@}
18679 \def\LT@p@LTRftntext#1{%

```



```

18680 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}%
18681 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18682 \def\LT@p@RTLftntext#1{%
18683 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}%
18684 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18685
18686
18687 \def\LT@output{%
18688 \ifnum\outputpenalty <-\@Mi
18689 \ifnum\outputpenalty >-\LT@end@pen
18690 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
18691 \else
18692 \setbox\z@\vbox{\unvbox\@cclv}%
18693 \ifdim \ht\LT@lastfoot>\ht\LT@foot
18694 \dimen@pagegoal
18695 \advance\dimen@-\ht\LT@lastfoot
18696 \ifdim\dimen@<\ht\z@
18697 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
18698 \@makecol
18699 \@outputpage
18700 \setbox\z@\vbox{\box\LT@head}%
18701 \fi
18702 \fi
18703 \global\@colroom\@colht
18704 \global\vsizel\@colht
18705 \vbox
18706 {\ifRTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot}
18707 \fi
18708 \else
18709 \setbox\@cclv\vbox{\ifRTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot}
18710 \@makecol
18711 \@outputpage
18712 \global\vsizel\@colroom
18713 \copy\LT@head\nobreak
18714 \fi}

```

111 File `lscope-xetex-bidi.def`

```

18715 \ProvidesFile{lscope-xetex-bidi.def}[2022/07/14 v0.2 bidi adaptations for lscope package for
18716 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
18717 \ifRTL
18718 \rotatebox[origin=br]{-90}{\box\@outputbox}%
18719 \else
18720 \rotatebox{90}{\box\@outputbox}%
18721 \fi
18722 }{}{}
18723
18724 \g@addto@macro{\landscape}{%
18725 \if@bidi@csdef{bidi@columnwidth}{%
18726 \bidi@columnwidth\columnwidth
18727 }{}%
18728 \let\bidi@left@footnoterule\left@footnoterule
18729 \let\bidi@right@footnoterule\right@footnoterule
18730 \def\left@footnoterule{%

```



```

18731 \if@RTL
18732 \bidi@right@footnoterule
18733 \else
18734 \bidi@left@footnoterule
18735 \fi
18736 }%
18737 \def\right@footnoterule{%
18738 \if@RTL
18739 \bidi@left@footnoterule
18740 \else
18741 \bidi@right@footnoterule
18742 \fi
18743 }%
18744 }

```

112 File `mathtools-xetex-bidi.def`

```

18745 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
18746 \MHInternalSyntaxOn
18747 \def\MT_define_tagform:nwnn #1[#2]#3#4{
18748 \@namedef{MT_tagform_#1:n}##1
18749 \maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4}
18750 }
18751 \renewtagform{default}{({})}
18752 \MHInternalSyntaxOff

```

113 File `mdframed-xetex-bidi.def`

```

18753 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
18754 \newif\if@bidi@mdf@RTL
18755 \def\mdf@lrbox#1{%
18756 \mdf@patchamsthm\patch amsthm
18757 \if@RTL\@bidi@mdf@RTLtrue\fi%
18758 \@RTLfalse%
18759 \setbox#1\vbox\bgroup%
18760 \color@begingroup%
18761 \if@bidi@mdf@RTL\@RTLtrue\fi%
18762 \mdf@horizontalmargin@equation%
18763 \columnwidth=\hsize%
18764 \textwidth=\hsize%
18765 \let\if@nobreak\iffalse%
18766 \let\if@noskipsec\iffalse%
18767 \let\par\@par%
18768 \let\-\@dischyp%
18769 \let'\@acci\let`\@accii\let\=\@acciii%
18770 \parindent\z@ \parskip\z@skip%
18771 \linewidth\hsize%
18772 \@totalleftmargin\z@%
18773 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
18774 \parfillskip\@flushglue \lineskip\normallineskip%
18775 \baselineskip\normalbaselineskip%
18776 %% \sloppy%
18777 \let\\\@normalcr%
18778 \mdf@par@local%New feature to restore parskip/parindent local in save box

```



```

18779     \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
18780     \@afterindentfalse%
18781     %\@afterheading%
18782 }
18783 \renewrobustcmd\mdfframedtitleenv[1]{%
18784     \mdf@lrbox{\mdf@frametitlebox}%
18785     \mdf@frametitlealignment%
18786     \leavevmode{\color{\mdf@frametitlefontcolor}%
18787         \normalfont\mdf@frametitlefont{#1}
18788     \ifbool{mdf@ignorelastdescenders}%
18789         {%
18790         \par\strut\par
18791         \unskip\unskip\setbox0=\lastbox
18792         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
18793         }{}}%
18794     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi}%
18795     \endmdf@lrbox\relax%
18796     \mdf@ignorevbadness%
18797     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
18798     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
18799     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
18800     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
18801     \mdfframetitleboxtotalheight=\dimexpr
18802         \ht\mdf@frametitlebox
18803         +\dp\mdf@frametitlebox%
18804         +\mdf@frametitleaboveskip@length
18805         +\mdf@frametitlebelowskip@length
18806         \relax%
18807 }
18808
18809 \renewrobustcmd*\mdf@footnoteoutput{%
18810     \ifvoid\@mpfootins\else%
18811         \nobreak%
18812         \vskip\mdf@footnotedistance@length%
18813         \normalcolor%
18814         \bidi@mpfootnoterule%
18815         \unvbox\@mpfootins%
18816     \fi%
18817 }
18818
18819
18820 \renewrobustcmd*\mdf@footnoteinput{%
18821     \def\@mpfn{mpfootnote}%
18822     \def\thempfn{\thempfootnote}%
18823     \c@mpfootnote\z@%
18824     \let\@footnotetext\@mpfootnotetext%
18825     \let\@LTRfootnotetext\@mpLTRfootnotetext%
18826     \let\@RTLfootnotetext\@mpRTLfootnotetext%
18827 }

```

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```

18828 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
18829 {bidi fixes for media9 package for the XeTeX engine}

```




```

18830
18831 \keys_define:nn{media9/mbtn}{
18832   draft .code:n = {},
18833   final .code:n = {},
18834
18835   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
18836   tooltip .value_required:n = {true},
18837
18838   overface .code:n = {
18839     \sbox\l_mix_poster_box{
18840       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18841       \mix_pdfxform:n{\l_mix_poster_box}
18842       \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
18843     },
18844     overface .value_required:n = {true},
18845
18846     downface .code:n = {
18847       \sbox\l_mix_poster_box{
18848         \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18849         \mix_pdfxform:n{\l_mix_poster_box}
18850         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
18851       },
18852       downface .value_required:n = {true},
18853
18854       3Dgotoview .code:n = {
18855         \tl_set:Nx\l_tmpa_tl{#1} %extract ref
18856         \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl
18857         \tl_trim_spaces:N\l_tmpa_tl
18858         \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18859           \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18860             \tl_set:Nx\l_tmpb_tl{#1} %extract idx
18861             \regex_replace_once:nnN{[~:]+:?.*}{\1}\l_tmpb_tl
18862             \tl_trim_spaces:N\l_tmpb_tl
18863             \tl_if_blank:VF\l_tmpb_tl{
18864               \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
18865                 \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl
18866               }{
18867                 \regex_match:nVTF{^[\d+}$}\l_tmpb_tl{
18868                   \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl
18869                 }{
18870                   \regex_replace_once:nnN{^(\s*)}{\1}\l_tmpb_tl
18871                   \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
18872                   \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
18873                 }
18874               }
18875             }
18876             \mix_pdfobj:nnn{}{dict}{
18877               /S/JavaScript/JS~(
18878                 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18879                 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18880                   annotRM['\l_tmpa_tl']=
18881                     this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18882                 }
18883                 annotRM['\l_tmpa_tl'].activated=true;

```



```

18884     )
18885     \tl_if_blank:VF\l_tmpb_tl{
18886       /Next~<<
18887       /S/GoTo3DView
18888       /TA~\tl_use:c{ann@\l_tmpa_tl}
18889       /V\l_mix_vidx_tl
18890     >>
18891   }
18892 }
18893 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18894 }
18895 }{
18896   \msg_warning:nx{media9}{undefined-reference}{\l_tmpa_tl}
18897   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18898     \tl_new:N\g_mix_refundefwarned_tl
18899     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18900   }
18901 }
18902 },
18903 3Dgotoview .value_required:n = {true},
18904
18905 mediacommand .code:n = {
18906   \tl_set:Nx\l_tmpa_tl{#1}
18907   \regex_replace_once:nnN{([\^:]+)???.*}{\1}\l_tmpa_tl %extract ref
18908   \tl_trim_spaces:N\l_tmpa_tl
18909   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18910     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18911       \tl_set:Nx\l_tmpb_tl{#1}
18912       \regex_replace_once:nnN{([\^:]+\?)}{\1}\l_tmpb_tl
18913       \tl_trim_spaces:N\l_tmpb_tl
18914       \regex_replace_all:nnN{^{\|}\$}{\1}\l_tmpb_tl
18915       \tl_set:Nx\l_mix_cmd_tl{
18916         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
18917       \tl_trim_spaces:N\l_mix_cmd_tl
18918       \tl_set:Nx\l_mix_arg_tl{
18919         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
18920       \tl_trim_spaces:N\l_mix_arg_tl
18921       \mix_pdfobj:nnn{}{dict}{
18922         /S/JavaScript/JS~(
18923           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18924           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18925             annotRM['\l_tmpa_tl']=
18926             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18927           }
18928           annotRM['\l_tmpa_tl'].activated=true;
18929         )
18930       \tl_if_blank:VF\l_mix_cmd_tl{
18931         /Next~<<
18932         /S/RichMediaExecute
18933         /TA~\tl_use:c{ann@\l_tmpa_tl}
18934         /TI~\tl_use:c{main@\l_tmpa_tl}
18935         /CMD~<<
18936         /C~(\l_mix_cmd_tl)
18937         \tl_if_blank:VF\l_mix_arg_tl{

```



```

18938         /A~[\l_mix_arg_tl]
18939     }
18940     >>
18941     >>
18942 }
18943 }
18944 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18945 }
18946 }{
18947   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18948   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18949     \tl_new:N\g_mix_refundefwarned_tl
18950     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18951   }
18952 }
18953 },
18954 mediacommand .value_required:n = {true},
18955
18956 jsaction .code:n = {
18957   \tl_set:Nx\l_tmpa_tl{#1}
18958   \regex_match:nVTF{^[^:]+:.*$}\l_tmpa_tl{
18959     \regex_replace_once:nnN{([^:]+):??.*}{\1}\l_tmpa_tl %extract ref
18960     \tl_trim_spaces:N\l_tmpa_tl
18961   }{\tl_clear:N\l_tmpa_tl}
18962   \tl_set:Nx\l_tmpb_tl{#1}
18963   \tl_if_blank:VF\l_tmpa_tl{
18964     \tl_if_exist:cF{ann@\l_tmpa_tl}{
18965       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18966       \cs_if_exist:NF\g_mix_refundefwarned_tl{
18967         \tl_new:N\g_mix_refundefwarned_tl
18968         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18969       }
18970     }
18971     \regex_replace_once:nnN{[^:]+\:}{}\l_tmpb_tl
18972   }
18973   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
18974   \tl_trim_spaces:N\l_tmpb_tl
18975   \tl_if_blank:VF\l_tmpb_tl{
18976     \mix_pdfobj:nnn{}{dict}{
18977       /S/JavaScript/JS~(
18978         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
18979   \bool_lazy_and:nnT{
18980     \tl_if_exist_p:c{ann@\l_tmpa_tl}
18981   }{
18982     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18983   }{
18984     \mix_pdfobj:nnn{}{dict}{
18985       /S/JavaScript/JS~(
18986         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18987         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18988           annotRM['\l_tmpa_tl']=
18989           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18990         }
18991         annotRM['\l_tmpa_tl'].activated=true;

```



```

18992     )
18993     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
18994   }
18995 }
18996 \bool_if:nT{
18997   \bool_lazy_and_p:nn{
18998     \tl_if_exist_p:c{ann@\l_tmpa_tl}
18999   }{
19000     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
19001   }
19002   || !\tl_if_blank_p:V\l_tmpb_tl
19003 }{
19004   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
19005 }
19006 },
19007 jsaction .value_required:n = {true},
19008
19009 unknown .code:n = {
19010   \msg_error:nnx{media9}{unknown-option}{\l_keys_key_tl}
19011 }
19012 }
19013
19014 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
19015   \mix_urierend:
19016   \group_begin:
19017   \mix_beginLTR:
19018   \mode_leave_vertical:
19019   %empty stream as appearance dummy
19020   \cs_if_exist:NF\g_mix_appearance_tl{
19021     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
19022     \mix_pdfxform:n{\l_mix_poster_box}
19023     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
19024   }
19025   \mix_reset:
19026   \mix_uribegin: %treat URI characters correctly
19027   \keys_set:nn{media9/user}{#1}
19028   \mix_urierend:
19029   \tl_greplac_all:Nnn\g_mix_flashvars_tl{~&}{&}
19030   \tl_greplac_all:Nnn\g_mix_flashvars_tl{&~}{&}
19031   \tl_greplac_all:Nnn\g_mix_flashvars_tl{~=}={=}
19032   \tl_greplac_all:Nnn\g_mix_flashvars_tl{=~}={=}
19033   \tl_gtrim_spaces:N\g_mix_flashvars_tl
19034
19035   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
19036
19037   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
19038   %\hbox_set:Nn\l_mix_poster_box{#2}
19039   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19040   \mix_scale:n{\l_mix_poster_box}
19041   \bool_if:nT{
19042     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
19043     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
19044   }{
19045     \tl_gset:Nn\g_mix_usrpbtn_tl{none}

```



```

19046 }
19047 \bool_if:NTF\g_mix_usrdraft_bool{
19048   \tl_if_empty:NF\g_mix_usrlabel_tl{
19049     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
19050   }
19051   \tl_if_blank:oTF{#2}{
19052     \mix_uribegin: %treat URI characters correctly
19053     \mix_draftbox:n{\tl_to_str:n{#3}}
19054     \mix_uriend:
19055   }{
19056     \hbox_to_wd:nn{\g_mix_wd_tl}{
19057       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
19058       \box_use:N\l_mix_poster_box\hss
19059     }
19060   }
19061 }{
19062   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
19063     %attach script that switches off play button overlay upon activation
19064     \mix_pdfobj:nnn{}{stream}{
19065       }{
19066         var-ocgs=host.getOCGs(host.pageNum);
19067         for(var~i=0;i<ocgs.length;i++){
19068           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
19069             ocgs[i].state=false;
19070           }
19071         }
19072       }
19073     }
19074     \mix_pdfobj:nnn{}{dict}{
19075       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)/UF~(btnoff)
19076     }
19077     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
19078     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
19079     %enforce plain playbutton overlay for XeTeX
19080     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
19081   }
19082   %embed main asset
19083   \mix_uribegin:
19084   \mix_embedasset:n{#3}
19085   \bool_if:nTF{
19086     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
19087   }{
19088     \bool_gset_true:N\g_mix_iiid_bool
19089     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
19090   }{
19091     \str_case_e:nnF{\l_mix_base_tl}{
19092       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
19093       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
19094       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19095       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19096       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19097     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
19098   }
19099   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}

```



```

19100 \mix_uriend:
19101 %secondary assets (added by addressource)
19102 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
19103 \seq_map_inline:Nn\g_mix_script_seq{
19104   \mix_embedasset:n{##1}
19105   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
19106 }
19107 %attach 3D calculation script
19108 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
19109   \mix_embedasset:n{3Dmenu.js}
19110   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
19111 }
19112 %create 3D views from file (option 3Dviews)
19113 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
19114   \tl_set:Nn\l_mix_level_tl{-1}
19115   \int_zero:N\l_mix_viewcnt_int
19116   \int_zero:N\l_mix_lineno_int
19117
19118   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
19119   \ior_map_inline:Nn\l_mix_vfile_stream{
19120     \int_incr:N\l_mix_lineno_int
19121     \keys_set:nn{media9/views}{##1} %process input line
19122   }
19123   \ior_close:N\l_mix_vfile_stream
19124 }
19125 \bool_if:nT{ %create default 3D view if required
19126   \g_mix_iiid_bool &&
19127   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
19128 }{
19129   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
19130   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
19131   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
19132   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
19133   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
19134   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
19135   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
19136
19137   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
19138   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
19139   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
19140   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
19141
19142   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
19143   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
19144   \tl_clear:N\l_mix_naarray_tl
19145
19146   \bool_if:NF\l_mix_ciiw_bool{
19147     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
19148     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
19149   }
19150
19151   \tl_clear:N\l_mix_naarray_tl
19152   \tl_clear:N\l_mix_saarray_tl
19153   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl

```



```

19154
19155     \mix_view:n{Default}
19156     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
19157
19158 }
19159 \mix_pdfobj:nnn{}{dict}{
19160   /Type/RichMediaInstance
19161   /Subtype/\g_mix_mainassetstl
19162   /Asset~\g_mix_mainasset_tl
19163   \bool_if:NF\g_mix_iiid_bool{
19164     /Params~<<
19165     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
19166       /Foreground
19167     }{
19168       /Background
19169     }
19170     \tl_if_blank:VF\g_mix_flashvars_tl{
19171       /FlashVars~(\g_mix_flashvars_tl)
19172     }
19173     >>
19174   }
19175 }
19176 \tl_if_empty:NF\g_mix_usrlabel_tl{
19177   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
19178 }
19179 \mix_pdfobj:nnn{}{dict}{
19180   /Type/RichMediaConfiguration
19181   /Subtype/\g_mix_mainassetstl
19182   /Instances~[\mix_pdflastobj:]
19183 }
19184 \mix_pdfobj:nnn{}{dict}{
19185   /Type/RichMediaContent
19186   /Assets~<</Names~[\g_mix_assets_tl]>>
19187   /Configurations~[\mix_pdflastobj:]
19188   \bool_if:nT{
19189     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
19190   }{
19191     /Views~[\l_mix_iiidviewarray_tl]
19192   }
19193 }
19194 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
19195 \bool_if:nT{
19196   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
19197 }{
19198   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
19199 }
19200 %determine floating window size
19201 \bool_if:NT\g_mix_opt_windowed_bool{
19202   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
19203 }
19204 \mix_pdfobj:nnn{}{dict}{
19205   /Activation~<<
19206   /Condition\g_mix_act_tl
19207   \bool_if:nT{

```



```

19208     \g_mix_iiid_bool &&
19209     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
19210 }{%seems to work only with 3D content
19211 /Animation~<<
19212     /Subtype/\g_mix_playtpe_tl
19213     /PlayCount~\g_mix_playcnt_tl
19214     /Speed~\g_mix_playspd_tl
19215 >>
19216 }
19217 \bool_if:nT{
19218     \g_mix_iiid_bool && (
19219     \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
19220 )
19221 }{/View~\l_mix_dfltview_tl}
19222 /Presentation~<<
19223     /Transparent~\g_mix_transp_tl
19224     \bool_if:NTF\g_mix_opt_windowed_bool{
19225     /Style/Windowed
19226     /Window~<<
19227         /Width~<</Default~\tl_mix_fltwd>>
19228         /Height~<</Default~\tl_mix_fltht>>
19229         /Position~<<
19230         /HOffset~0/VOffset~0
19231         \str_case_e:nnF{\g_mix_winpos_tl}{
19232             {tl}{/VAlign/Near/HAlign/Near}
19233             {cl}{/VAlign/Center/HAlign/Near}
19234             {bl}{/VAlign/Far/HAlign/Near}
19235             {bc}{/VAlign/Far/HAlign/Center}
19236             {br}{/VAlign/Far/HAlign/Far}
19237             {cr}{/VAlign/Center/HAlign/Far}
19238             {tr}{/VAlign/Near/HAlign/Far}
19239             {tc}{/VAlign/Near/HAlign/Center}
19240         }{/HAlign/Center/VAlign/Center}
19241     >>
19242     >>
19243     }{
19244     /Style/Embedded
19245     }
19246     \bool_if:NTF\g_mix_iiid_bool{
19247     /Toolbar~\g_mix_tools_tl
19248     /NavigationPane~\g_mix_nav_tl
19249     }{
19250     /PassContextClick~\g_mix_contextclick_tl
19251     }
19252     >>
19253     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
19254     >>
19255     /Deactivation~<</Condition\g_mix_deact_tl>>
19256 }
19257 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
19258 \tl_if_empty:NF\g_mix_usrlabel_tl{
19259     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
19260 }
19261 % #1:width, #2:height, #3:depth, #4:content (key-value)

```




```

19262 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
19263 /Subtype/RichMedia
19264 /F~4
19265 /BS~<</W~0/S/S>>
19266 /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
19267 /NM~(\g_mix_label_tl)
19268 /AP~<</N~\g_mix_appearance_tl>>
19269 /RichMediaSettings~\l_mix_settings_tl
19270 /RichMediaContent~\l_mix_content_tl
19271 }
19272 \tl_if_empty:NF\g_mix_usrlabel_tl{
19273 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
19274 \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
19275 \noexpand\the\g@mix@page@int}
19276 }
19277 \mix_pdfobj:nnn{}{dict}{
19278 /S/JavaScript/JS~(
19279 try{
19280 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
19281 if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
19282 annotRM['\g_mix_label_tl']=
19283 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
19284 }
19285 \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
19286 if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
19287 var~ocgs=this.getOCGs(this.pageNum);
19288 for(var~i=0;i<ocgs.length;i++){
19289 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
19290 var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
19291 }
19292 }
19293 }
19294 if(
19295 !annotRM['\g_mix_label_tl'].activated&&(
19296 app.viewerType=='Reader' ||
19297 app.viewerType=='Exchange' ||
19298 app.viewerType=='Exchange-Pro'
19299 )&&app.viewerVersion>=9
19300 ){
19301 ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
19302 }
19303 }
19304 }catch(e){}
19305 this.dirty=false;
19306 )
19307 }
19308 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
19309 /Subtype/Widget
19310 /FT/Btn/Ff~65537/F~2
19311 /BS~<</W~0>>
19312 /T~(fd@\g_mix_label_tl)
19313 /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
19314 }
19315 \mix_appendtofields:n{\mix_pdflastann:}

```



```

19316 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
19317 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
19318 \hbox_to_wd:nn{\g_mix_wd_tl}{
19319 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
19320 }
19321 }{%insert play button overlay
19322 \mix_insert_btnocg: %create OCG
19323 \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
19324 \group_begin:
19325 \cs_if_exist:NT\textdir{\textdir TLT}
19326 \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
19327 \box_move_down:nn{\g_mix_dp_tl}{
19328 \hbox_to_wd:nn{\g_mix_wd_tl}{
19329 \vbox_to_ht:nn{\g_mix_tt_tl}{
19330 \vss
19331 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
19332 \box_use:N\l_mix_pbtn_box
19333 \ocgbase_oc_emc:
19334 }
19335 }
19336 }
19337 \group_end:
19338 }
19339 \int_gincr:N\g_mix_rmcnt_int
19340 }
19341 \mix_endLTR:
19342 \group_end:
19343 }
19344 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
19345 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
19346
19347 \RenewDocumentCommand\mediabutton{O{}}m}{%#1 options, #2 normal button text
19348 \mix_urierend:
19349 \group_begin:
19350 \mix_beginLTR:
19351 \mode_leave_vertical:
19352 %reset various variables
19353 \tl_gclear:N\g_mix_verbbtn_tl
19354 \tl_gclear:N\g_mix_downbtn_tl
19355 \tl_gclear:N\g_mix_btnactions_tl
19356 \tl_gclear:N\g_mix_tooltip_tl
19357 %process options
19358 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
19359 \mix_uribegin: %treat URI characters correctly
19360 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
19361 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
19362 \mix_urierend:
19363 %normal button appearance
19364 %\hbox_set:Nn\l_mix_poster_box{#2}
19365 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19366 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
19367 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
19368 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
19369 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{

```



```

19370 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
19371 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
19372 \mix_pdfxform:n{\l_mix_poster_box}
19373 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
19374 %insert widget annotation
19375 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
19376 /Subtype/Widget
19377 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
19378 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
19379 /FT/Btn/Ff~65536
19380 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
19381 /AP~<<
19382 /N~\g_mix_normalbtn_tl
19383 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
19384 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
19385 >>
19386 /MK~<<
19387 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
19388 /I~\g_mix_normalbtn_tl
19389 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
19390 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
19391 >>
19392 /A~<<
19393 /S/JavaScript/JS~(app.focusRect=false;)
19394 %sequence of actions to perform
19395 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
19396 >>
19397 }
19398 \mix_appendtofields:n{\mix_pdflastann:}
19399 \hbox_to_wd:nn{\width}{
19400 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
19401 }
19402 \int_gincr:N\g_mix_mbtncnt_int
19403 }
19404 \mix_endLTR:
19405 \group_end:
19406 }
19407 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
19408 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
19409

```

115 File memoir-xetex-bidi.def

```

19410 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for X
19411 \renewcommand{\keepthetitle}{%
19412 \@bsmtitleempty
19413 \global\let\thanks\relax
19414 \global\let\LTRthanks\relax
19415 \global\let\RTLthanks\relax
19416 \global\let\and\relax
19417 \global\let\andnext\relax
19418 \global\let\@thanks\@empty
19419 \global\let\@title\@empty
19420 \global\let\@author\@empty

```



```

19421 \global\let\@date\@empty}
19422 \renewcommand{\maketitle}{\par
19423 \begingroup
19424 \@bsmarkseries
19425 \def\@makefnmark{\@textsuperscript{%
19426 \normalfont\@bsthanksheadpre \tmark \@bsthanksheadpost}}%
19427 \long\def\@makefntext##1{\makethanksmark ##1}
19428 \if@twocolumn
19429 \ifnum \col@number=\@ne
19430 \@maketitle
19431 \else
19432 \twocolumn[\@maketitle]%
19433 \fi
19434 \else
19435 \ifdim\pagetotal>\z@
19436 \newpage
19437 \fi
19438 \global\@topnum\z@
19439 \@maketitle
19440 \fi
19441 \thispagestyle{title}\@thanks
19442 \endgroup
19443 \@bscontmark % \setcounter{footnote}{0}%
19444 }
19445 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
19446 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
19447 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
19448 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
19449 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
19450 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
19451 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
19452 \renewcommand*{\thesubsection}{%
19453 \thesection\@SepMark\@arabic\c@subsection}
19454 \renewcommand*{\thesubsubsection}{%
19455 \thesubsection\@SepMark\@arabic\c@subsubsection}
19456 \renewcommand*{\theparagraph}{%
19457 \thesubsubsection\@SepMark\@arabic\c@paragraph}
19458 \renewcommand*{\thesubparagraph}{%
19459 \theparagraph\@SepMark\@arabic\c@subparagraph}
19460 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
19461 \renewcommand{\theequation}{%
19462 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19463 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
19464 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
19465 \ifartopt
19466 \chapterstyle{article}
19467 \counterwithout{figure}{chapter}
19468 \counterwithout{table}{chapter}
19469 \counterwithout{footnote}{chapter}
19470 \counterwithout{equation}{chapter}
19471 \renewcommand{\chaptername}{}
19472 \renewcommand{\maketitlehookb}{%
19473 \vskip -1.5\topsep\vskip -1.5\partopsep}
19474 \renewcommand{\maketitlehookc}{%

```



```

19475 \vskip -1.5\topsep\vskip -1.5\partopsep}
19476 \fi
19477 \long\def\makecaption#1#2{\let\memtempa\relax
19478 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
19479 \else \def\memtempa{\vbox to\topskip{}}\fi
19480 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
19481 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
19482 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
19483 \let\footnote\@contfnote
19484 \let\footnotemark\@contfmark
19485 \ifdim\wd\@tempboxa<\linewidth \centering \fi
19486 \if@contcw
19487 \centering
19488 \parbox{\@contcwidth}{%
19489 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
19490 \fi
19491 \ifdim\wd\@tempboxa<\linewidth
19492 \@contpre
19493 {\@contnfont #1\@contdelim}\@memtempa
19494 {\@contcshortstyle \@conttfont #2\@contfinal\par}
19495 \else
19496 \if@conthang
19497 \sbox\@tempboxa{\@contnfont #1\@contdelim}
19498 \@contpre%
19499 {\@contcstyle\hangindent=\wd\@tempboxa
19500 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
19501 \else
19502 \if@contindent
19503 \@contpre%
19504 {\@contnfont #1\@contdelim}\@memtempa
19505 {\@contcstyle\hangindent=\@contindw
19506 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
19507 \else
19508 \@contpre%
19509 {\@contnfont #1\@contdelim}\@memtempa
19510 {\@contcstyle \@conttfont #2\@contfinal\par}
19511 \fi
19512 \fi
19513 \fi
19514 \@contpost
19515 \if@contcw
19516 \par
19517 } % end of the \parbox
19518 \fi
19519 \vskip\belowcaptionskip}
19520 \ifpackageloaded{caption}{%
19521 \AtBeginPackage{caption}{
19522 \ClassWarningNoLine{memoir}{%
19523 You are using the caption package with the memoir \MessageBreak
19524 class. This may cause unexpected or inconsistent \MessageBreak
19525 results if you use any of memoir's captioning facilities}
19526
19527 \long\def\makecaption##1##2{%
19528 \vskip\abovecaptionskip

```



```

19529 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
19530 \ifdim \wd\@tempboxa >\hsize
19531   \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
19532 \else
19533   \global \@minipagefalse
19534   \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
19535 \fi
19536 \vskip\belowcaptionskip}
19537
19538 \def\caption{%
19539   \ifx\@capttype\@undefined
19540     \@latex@error{\noexpand\caption outside float}\@ehd
19541     \expandafter\@gobble
19542   \else
19543     \refstepcounter\@capttype
19544     \expandafter\@firstofone
19545   \fi
19546   {\@dblarg{\@caption\@capttype}}%
19547 }
19548
19549 \long\def\@caption##1[##2]##3{%
19550 \par
19551 \addcontentsline{\csname ext@##1\endcsname}{##1}%
19552   {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
19553 \begingroup
19554   \@parboxrestore
19555   \if@minipage
19556     \@setminipage
19557   \fi
19558   \normalsize
19559   \@makecaption{\csname fnum##1\endcsname}{\ignorespaces ##3}\par
19560 \endgroup}
19561 }{}
19562 \renewenvironment{thebibliography}[1]{%
19563 \bibsection
19564 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19565 \bidi@thebibliography@font@hook%
19566 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

116 File midfloat-xetex-bidi.def

```

19567 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
19568 \def\RTL@outputdblcol{%
19569 \if@firstcolumn
19570   \global \@firstcolumnfalse
19571   \global\setbox\@leftcolumn\copy\@outputbox
19572   \splitmaxdepth\maxdimen
19573   \vbadness\maxdimen
19574   \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19575   \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19576   \toks@\expandafter{\topmark}%
19577   \xdef\@firstcoltopmark{\the\toks@}%
19578   \toks@\expandafter{\splitfirstmark}%
19579   \xdef\@firstcolfirstmark{\the\toks@}%

```



```

19580 \ifx\@firstcolfirstmark\@empty
19581 \global\let\@setmarks\relax
19582 \else
19583 \gdef\@setmarks{%
19584 \let\firstmark\@firstcolfirstmark
19585 \let\topmark\@firstcoltopmark}%
19586 \fi
19587 \global\c@colht\@colht\global\c@addvipersep\z@
19588 \ifnum\jua@sk>0
19589 \remove@strip\jua@sar
19590 \global\@colht\the\jua@pr
19591 \ifdim\right@cor>\z@
19592 \global\advance\@colht by\right@cor
19593 \fi
19594 \global\advance\@colht by\cor@height
19595 \global\cor@height=0pt
19596 \fi
19597 \global\setbox\@rightcolumn \vbox{%
19598 \else
19599 \ifdim\c@colht>\@colht
19600 \@tempdima\@colht
19601 \ifdim\@colht>\z@
19602 \global\setbox\@rightcolumn \vbox{%
19603 \unvbox\@rightcolumn
19604 \vbox to\@tempdima{%
19605 \vskip\c@addvipersep\unvbox\@outputbox}%
19606 \vskip\stripsep
19607 \vrule height\the\jua@ht width 0pt depth 0pt
19608 \vskip\stripsep
19609 }%
19610 \global\c@addvipersep\m@addvipersep
19611 \else
19612 \global\setbox\@rightcolumn \vbox{%
19613 \unvbox\@rightcolumn
19614 \vrule height\the\jua@ht width 0pt depth 0pt
19615 \vskip\stripsep
19616 }%
19617 \fi
19618 \ifnum\jua@sk>0
19619 \remove@strip\jua@sar
19620 \global\@colht\the\jua@pr
19621 \global\advance\@colht by-\ht\@rightcolumn
19622 \global\advance\@colht by\cor@height
19623 \global\cor@height=0pt
19624 \else
19625 \global\advance\c@colht by-\ht\@rightcolumn
19626 \global\@colht\c@colht
19627 \fi
19628 \else
19629 \global\@firstcolumntrue
19630 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19631 \unvbox\@rightcolumn
19632 \vskip\c@addvipersep
19633 \unvbox\@outputbox

```



```

19634         }%
19635     \setbox\@outputbox \vbox {%
19636         \hb@xt@\textwidth {%
19637             \hskip \columnwidth
19638             \hfil
19639             \vrule \@width\columnseprule
19640             \hfil
19641             \hb@xt@\columnwidth {%
19642                 \bidi@firstcolumn@status@write%
19643                 \box\@leftcolumn \hss}%
19644             \hskip-\textwidth
19645             \hb@xt@\columnwidth {%
19646                 \bidi@lastcolumn@status@write%
19647                 \box\@outputbox \hss}%
19648             \hskip\columnwidth
19649             \hskip\columnsep}%
19650         }%
19651     \@combinedblfloats
19652     \@setmarks
19653     \@outputpage
19654     \begingroup
19655         \@dblfloatplacement
19656         \@startdblcolumn
19657         \@whilesw@if@fcolmade \fi
19658         {\@outputpage
19659         \@startdblcolumn}%
19660     \endgroup
19661     \global\jua@sk=0\global\jua@sar={}%
19662     \global\cor@height\z@\global\c@addvipersep\z@
19663     \fi
19664 \fi
19665 }
19666
19667
19668 \def\LTR@outputdblcol{%
19669     \if@firstcolumn
19670         \global \@firstcolumnfalse
19671         \global\setbox\@leftcolumn\copy\@outputbox
19672         \splitmaxdepth\maxdimen
19673         \vbadness\maxdimen
19674         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19675         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19676         \toks@\expandafter{\topmark}%
19677         \xdef\@firstcoltopmark{\the\toks@}%
19678         \toks@\expandafter{\splitfirstmark}%
19679         \xdef\@firstcolfirstmark{\the\toks@}%
19680         \ifx\@firstcolfirstmark\@empty
19681             \global\let\@setmarks\relax
19682         \else
19683             \gdef\@setmarks{%
19684                 \let\firstmark\@firstcolfirstmark
19685                 \let\topmark\@firstcoltopmark}%
19686         \fi
19687     \global\c@colht\@colht\global\c@addvipersep\z@

```




```

19688 \ifnum\jwo@sk>0
19689 \remove@strip\jwo@sar
19690 \global\@colht\the\jwo@pr
19691 \ifdim\right@cor>\z@
19692 \global\advance\@colht by\right@cor
19693 \fi
19694 \global\advance\@colht by\cor@height
19695 \global\cor@height=Opt
19696 \fi
19697 \global \setbox\@rightcolumn \vbox{}%
19698 \else
19699 \ifdim\c@colht>\@colht
19700 \@tempdima\@colht
19701 \ifdim\@colht>\z@
19702 \global\setbox\@rightcolumn \vbox{%
19703 \unvbox\@rightcolumn
19704 \vbox to\@tempdima{%
19705 \vskip\c@addvipersep\unvbox\@outputbox}%
19706 \vskip\stripsep
19707 \vrule height\the\jwo@ht width Opt depth Opt
19708 \vskip\stripsep
19709 }%
19710 \global\c@addvipersep\m@addvipersep
19711 \else
19712 \global\setbox\@rightcolumn \vbox{%
19713 \unvbox\@rightcolumn
19714 \vrule height\the\jwo@ht width Opt depth Opt
19715 \vskip\stripsep
19716 }%
19717 \fi
19718 \ifnum\jwo@sk>0
19719 \remove@strip\jwo@sar
19720 \global\@colht\the\jwo@pr
19721 \global\advance\@colht by-\ht\@rightcolumn
19722 \global\advance\@colht by\cor@height
19723 \global\cor@height=Opt
19724 \else
19725 \global\advance\c@colht by-\ht\@rightcolumn
19726 \global\@colht\c@colht
19727 \fi
19728 \else
19729 \global\@firstcolumntrue
19730 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19731 \unvbox\@rightcolumn
19732 \vskip\c@addvipersep
19733 \unvbox\@outputbox
19734 }%
19735 \setbox\@outputbox \vbox {%
19736 \hb@xt@\textwidth {%
19737 \hb@xt@\columnwidth {%
19738 \bidi@firstcolumn@status@write%
19739 \box\@leftcolumn \hss}%
19740 \hfil
19741 \vrule \@width\columnseprule

```



```

19742             \hfil
19743             \hb@xt@\columnwidth {%
19744                 \bidi@lastcolumn@status@write%
19745                 \box\@outputbox \hss}%
19746                 }%
19747             }%
19748     \@combinedblfloats
19749     \@setmarks
19750     \@outputpage
19751     \begingroup
19752         \@dblfloatplacement
19753         \@startdblcolumn
19754         \@whiles\if@fcolmade \fi
19755         {\@outputpage
19756          \@startdblcolumn}%
19757     \endgroup
19758     \global\jua@sk=0\global\jua@sar={}%
19759     \global\cor@height\z@\global\c@advipersep\z@
19760     \fi
19761 \fi
19762 }
19763
19764
19765 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
19766   \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
19767     \hsize\textwidth
19768     \@parboxrestore
19769     \col@number \@ne
19770     \vrule height\topskip width0pt depth0pt
19771 }
19772
19773 \def\endstrip{%
19774     \egroup\egroup
19775     \if@firstcolumn
19776         \ifdim\pagetotal>\z@
19777             \vskip\stripsep
19778             \global\ht@strip\pagegoal
19779             \global\advance\ht@strip by-\pagetotal
19780             \global\advance\ht@strip by-\stripsep
19781             \global\advance\ht@strip by-\ht\@viper
19782             \global\advance\ht@strip by-\stripsep
19783             \global\jua@ht=\ht\@viper
19784         \else
19785             \global\ht@strip\z@
19786         \fi
19787     \ifdim\ht@strip>\z@
19788         \unvbox\@viper
19789         \vskip\stripsep
19790         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
19791         \global\advance\jua@sk by1
19792     \else
19793         \@latex@error{Strip needs more place!}\@ehc
19794         \if@vihproof
19795             \framebox[\columnwidth]{??? Strip ???}%

```



```

19796             \fi
19797         \fi
19798     \else
19799         \@latex@error{Strip is used only on left column!}\@ehc
19800     \if@vihproof
19801         \framebox[\columnwidth]{??? Strip ???}%
19802     \fi
19803 \fi
19804 }

```

117 File minitoc-xetex-bidi.def

```

19805 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
19806 \def\@undottedtocline#1#2#3#4#5{%
19807     \ifnum #1>\c@tocdepth\relax \else
19808         \vskip \z@ plus.2\p@
19809     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg
19810         \parindent #2\relax\@afterindenttrue
19811         \interlinepenalty\@M
19812         \leavevmode
19813         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
19814         \hskip -\if@RTL\righskip\else\leftskip\fi
19815         #4\nobreak\hfill \nobreak
19816         \null\par}%
19817 \fi}
19818 \def\@Undottedtocline#1#2#3#4#5{%
19819     \ifnum #1>\c@tocdepth\relax \else
19820         \vskip \z@ \@plus.2\p@
19821     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrma
19822         \parindent #2\relax\@afterindenttrue
19823         \interlinepenalty\@M
19824         \leavevmode
19825         \@tempdima #3\relax
19826         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19827         {\coffeefont #4}\nobreak \nobreak\null
19828         \par}%
19829 \fi}
19830 \def\@Undottedtoclinep#1#2#3#4#5{%
19831     \ifnum #1>\c@tocdepth\relax \else
19832         \vskip \z@ \@plus.2\p@
19833     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrma
19834         \parindent #2\relax\@afterindenttrue
19835         \interlinepenalty\@M
19836         \leavevmode
19837         \@tempdima #3\relax
19838         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19839         {#4}\nobreak \hfill \nobreak\null
19840         \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
19841         \par}%
19842 \fi}

```

118 File multicol-xetex-bidi.def

```

19843 \ProvidesFile{multicol-xetex-bidi.def}[2022/07/10 v1.4 bidi adaptations for multicol package

```



```

19844 \def\page@sofar{%
19845   \process@cols\mult@rightbox
19846     {\ifvoid\count@
19847       \setbox\count@\hbox to\hsize{}}%
19848     \else
19849       \wd\count@\hsize
19850     \fi}%
19851 \count@\col@number \advance\count@\m@ne
19852 \mult@info\z@
19853 {Column spec: \the\full@width\space = indent
19854               + columns + sep =\MessageBreak
19855               \the\multicol@leftmargin\space
19856               + \the\col@number\space
19857               x \the\hsize\space
19858               + \the\count@\space
19859               x \the\columnsep
19860            }%
19861 \ifvmode\else\errmessage{Multicol Error}\fi
19862 \nointerlineskip
19863 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
19864 \moveright\multicol@leftmargin
19865 \hbox to\full@width{%
19866   \bidi@multicol@align@columns
19867   \rlap{\phantom p}}%
19868 }%
19869 \prevdepth\z@
19870 \kern-\dimen\tw@
19871 \ifdim\dimen\tw@ > \mc@gridwarn
19872   \PackageWarning{multicol}%
19873     {Very deep columns!\MessageBreak
19874     Grid alignment might be broken}%
19875 \fi
19876 }
19877 \def\LTR@column@boxes{%
19878   \process@cols\mult@firstbox{%
19879     \ifdim\dp\count@>\dimen\tw@
19880       \global\dimen\tw@\dp\count@ \fi
19881     \mc@col@status@write
19882     \box\count@
19883     \hss{\columnseprulecolor\vrule
19884           \@width\columnseprule}\hss}%
19885   \ifdim\dp\mult@rightbox>\dimen\tw@
19886     \global\dimen\tw@\dp\mult@rightbox \fi
19887   \mc@lastcol@status@write
19888   \box\mult@rightbox
19889 }
19890
19891 \def\RTL@column@boxes{%
19892   \process@cols\mult@firstbox{%
19893     \hskip\hsize
19894     \hss{\columnseprulecolor\vrule
19895           \@width\columnseprule}\hss
19896     }%
19897   \hskip\hsize

```



```

19898 \process@cols\mult@firstbox{%
19899 \ifdim\dp\count@>\dimen\tw@
19900 \global\dimen\tw@\dp\count@ \fi
19901 \hskip-\hsize
19902 \mc@col@status@write
19903 \box\count@
19904 \hskip-\hsize
19905 \hskip-\columnsep
19906 }%
19907 \ifdim\dp\mult@rightbox>\dimen\tw@
19908 \global\dimen\tw@\dp\mult@rightbox \fi
19909 \hskip-\hsize
19910 \mc@lastcol@status@write
19911 \box\mult@rightbox
19912 \hskip-\hsize
19913 \hskip\full@width
19914 }
19915
19916 \newcommand\RTLmulticolcolumns
19917 {\let\bidimulticol@align@columns
19918 \RTL@column@boxes}
19919 \newcommand\LTRmulticolcolumns
19920 {\let\bidimulticol@align@columns
19921 \LTR@column@boxes}
19922 \newcommand\bidimulticol@align@columns
19923 {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
19924 \bidi@AtEndPreamble{%
19925 \if@bidi@csdef{footinsv@1}{%
19926 \def\footnoterule{\kern-3\p@
19927 \hrule \@width \textwidth \kern 2.6\p@}%
19928 }-}%
19929 }
19930 \def\multicols#1{\col@number#1\relax
19931 \ifnum\col@number<\tw@
19932 \PackageWarning{multicol}%
19933 {Using `\'number\col@number'
19934 columns doesn't seem a good idea.^^J
19935 I therefore use two columns instead}%
19936 \col@number\tw@ \fi
19937 \ifnum\col@number>20
19938 \PackageError{multicol}%
19939 {Too many columns}%
19940 {Current implementation doesn't
19941 support more than 20 columns.%
19942 \MessageBreak
19943 I therefore use 20 columns instead}%
19944 \col@number20 \fi
19945 \ifx\@footnotetext\mult@footnotetext
19946 \else
19947 \let\orig@footnotetext\@footnotetext
19948 \let\@footnotetext\mult@footnotetext
19949 \fi
19950 \ifx\@LTRfootnotetext\mult@LTRfootnotetext
19951 \else

```



```

19952     \let\orig@LTRfootnotetext\LTRfootnotetext
19953     \let\@LTRfootnotetext\mult@LTRfootnotetext
19954     \fi
19955     \ifx\@RTLfootnotetext\mult@RTLfootnotetext
19956     \else
19957         \let\orig@RTLfootnotetext\RTLfootnotetext
19958         \let\@RTLfootnotetext\mult@RTLfootnotetext
19959     \fi
19960     \ifnextchar[\mult@cols{\mult@cols[]}]
19961 \long\def\mult@footnotetext#1{\begingroup
19962     \hsize\textwidth
19963     \columnwidth\textwidth
19964     \orig@footnotetext{#1}\endgroup}
19965 \long\def\mult@LTRfootnotetext#1{\begingroup
19966     \hsize\textwidth
19967     \columnwidth\textwidth
19968     \orig@LTRfootnotetext{#1}\endgroup}
19969 \long\def\mult@RTLfootnotetext#1{\begingroup
19970     \hsize\textwidth
19971     \columnwidth\textwidth
19972     \orig@RTLfootnotetext{#1}\endgroup}
19973 \def\right@footnoterule{%
19974     \kern-3\p@
19975     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
19976     \kern2.6\p@}
19977 \def\textwidth@footnoterule{\kern-3\p@
19978     \hrule \@width \textwidth \kern 2.6\p@}
19979 \def\@bidi@leave@mult@copyins{%
19980     \advance\dimen@-\skip\@bidi@copyins@
19981     \advance\dimen@-\ht\@bidi@copyins@
19982 }
19983
19984 \@bidi@AtEndPreamble{%
19985     \if@bidi@csundef{footinsv01}{%
19986         \bidi@patchcmd{\multi@column@out}{%
19987             \ifvbox \@kludgeins
19988             }{%
19989                 \ifvoid\@bidi@copyins@ \else
19990                 \bidi@leave@mult@copyins
19991             }
19992             \ifvbox \@kludgeins
19993             }{}{}%
19994         }{}%
19995     }
19996
19997

```

119 File multienum-xetex-bidi.def

```

19998 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
19999 \renewcommand{\itemx}[1]{\parbox[t]{%
20000 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
20001 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
20002 \renewcommand{\itemxx}[2]{\parbox[t]{%

```



```

20003 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20004 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
20005 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20006 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
20007 \renewcommand{\itemxxx}[3]{\parbox[t]%
20008 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
20009 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
20010 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
20011 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
20012 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
20013 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
20014 \renewcommand{\itemxxxx}[4]{\parbox[t]%
20015 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20016 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
20017 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20018 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
20019 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20020 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
20021 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20022 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
20023 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
20024 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20025 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
20026 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20027 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
20028 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20029 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
20030 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20031 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
20032 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20033 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
20034 \renewcommand{\itemxox}[2]{\parbox[t]%
20035 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20036 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
20037 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20038 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
20039 \renewcommand{\itemxoxo}[2]{\parbox[t]%
20040 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20041 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
20042 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20043 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
20044 \renewcommand{\itemxoxx}[3]{\parbox[t]%
20045 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20046 \parbox[t]{\remainxoxx}{\bidi@raggedright #1}\hfill%
20047 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20048 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
20049 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20050 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
20051 \renewcommand{\itemxoxo}[3]{\parbox[t]%
20052 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20053 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
20054 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20055 \parbox[t]{\remainxoxx}{\bidi@raggedright #2}\hfill%
20056 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

20057 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
20058 \renewcommand{\itemxxxx}[3]{\parbox[t]{%
20059 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20060 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
20061 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20062 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
20063 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20064 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

120 File natbib-xetex-bidi.def

```

20065 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
20066 \renewenvironment{thebibliography}[1]{%
20067 \bibsection
20068 \parindent\z@
20069 \bibpreamble
20070 \bibfont
20071 \if@RTL\if@LTR\bibitems@RTLfalse\else\fi\else\if@RTL\bibitems@RTLtrue\else\fi\fi
20072 \bidi@@thebibliography@font@hook%
20073 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
20074 \ifNAT@openbib
20075 \renewcommand\newblock{\par}%
20076 \else
20077 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
20078 \fi
20079 \sloppy\clubpenalty4000\widowpenalty4000
20080 \sfcode\.\@m
20081 \let\NAT@bibitem@first@sw\@firstoftwo
20082 \let\citeN\cite \let\shortcite\cite
20083 \let\citeasnoun\cite
20084 }{%
20085 \bibitem@fin
20086 \bibpostamble
20087 \def\@noitemerr{%
20088 \PackageWarning{natbib}{Empty `thebibliography' environment}%
20089 }%
20090 \endlist
20091 \bibcleanup
20092 }%

```

121 File newfloat-xetex-bidi.def

```

20093 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package
20094 \renewcommand*\newfloat@setwithin[2]{%
20095 \ifcsname c@chapter\endcsname
20096 \@removefromreset{#1}{chapter}%
20097 \fi
20098 \@removefromreset{#1}{section}%
20099 \edef\@tempa{#2}%
20100 \ifx\@tempa\@empty
20101 \def\@tempa{none}%
20102 \fi
20103 \def\@tempb{none}%
20104 \ifx\@tempa\@tempb

```




```

20105 \ifcsname c@chapter\endcsname
20106 \@chapterlistsgap@off{#1}%
20107 \fi
20108 \newfloat@@setwithin{#1}{-}{-}%
20109 \else
20110 \def\@tempb{chapter}%
20111 \ifx\@tempa\@tempb
20112 \@addtoreset{#1}{chapter}%
20113 \@chapterlistsgap@on{#1}%
20114 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
20115 \else
20116 \def\@tempb{section}%
20117 \ifx\@tempa\@tempb
20118 \@addtoreset{#1}{section}%
20119 \ifcsname c@chapter\endcsname
20120 \@addtoreset{#1}{chapter}%
20121 \@chapterlistsgap@on{#1}%
20122 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
20123 \else
20124 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
20125 \fi
20126 \else
20127 \newfloat@Error{Invalid value `#2' for option `within'}%
20128 \fi
20129 \fi
20130 \fi}

```

122 File nicematrix-xetex-bidi.def

```

20131 \ProvidesFile{nicematrix-xetex-bidi.def}[2024/12/15 v0.3 bidi adaptations for nicematrix package]
20132 \ExplSyntaxOn
20133 \bidi@patchcmd{\__nicematrix_array:n}{\@tabarray}{%
20134 \bool_if:NF \l__nicematrix_tabular_bool \@RTLtabfalse
20135 \@tabarray
20136 }{}{}
20137 \ExplSyntaxOff
20138

```

123 File nththeorem-xetex-bidi.def

```

20139 \ProvidesFile{nththeorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for nththeorem package]
20140 \gdef\@thm#1#2#3{%
20141 \if@thmmarks
20142 \stepcounter{end\InTheoType ctr}%
20143 \fi
20144 \renewcommand{\InTheoType}{#1}%
20145 \if@thmmarks
20146 \stepcounter{curr#1ctr}%
20147 \setcounter{end#1ctr}{0}%
20148 \fi
20149 \refstepcounter{#2}%
20150 \theorem@prework
20151 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
20152 \ifvmode \advance\thm@topsepadd\partopsep\fi

```



```

20153 \trivlist
20154 \@topsep \theorempreskipamount
20155 \@topsepadd \thm@topsepadd % used by \@endparenv
20156 \advance\linewidth -\theorem@indent
20157 \advance\@totalleftmargin \theorem@indent
20158 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20159 \@ifnextchar [{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}]

```

124 File ntheorem-hyper-xetex-bidi.def

```

20160 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-
20161 \gdef\@thm#1#2#3{%
20162 \if@thmmarks
20163 \stepcounter{end\InTheoType ctr}%
20164 \fi
20165 \renewcommand{\InTheoType}{#1}%
20166 \if@thmmarks
20167 \stepcounter{curr#1ctr}%
20168 \setcounter{end#1ctr}{0}%
20169 \fi
20170 \refstepcounter{#2}%
20171 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
20172 \ifvmode \advance\thm@topsepadd\partopsep\fi
20173 \trivlist
20174 \@topsep \theorempreskipamount
20175 \@topsepadd \thm@topsepadd % used by \@endparenv
20176 \advance\linewidth -\theorem@indent
20177 \advance\@totalleftmargin \theorem@indent
20178 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20179 \@ifnextchar [{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}]

```

125 File overpic-xetex-bidi.def

```

20180 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
20181 \renewenvironment{overpic}[2][ ]{%
20182 \sbox{\z@}{\includegraphics[#1]{#2}}%
20183 \settodepth{\@tempcnta}{\usebox{\z@}}%
20184 \settoheight{\@tempcntb}{\usebox{\z@}}%
20185 \advance\@tempcntb\@tempcnta%
20186 \settoheight{\@tempcnta}{\usebox{\z@}}%
20187 \setlength{\@tempdima}{\unitlength}%
20188 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
20189 %
20190 \OVP@calc%
20191 %
20192 \begin{picture}(\@tempcnta,\@tempcntb)%
20193 \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
20194 \ifGin@grid%
20195 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20196 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20197 \fi\fi%
20198 % reset the graphics parameter
20199 \let\Gin@outer@scalex\relax
20200 \let\Gin@outer@scaley\relax

```



```

20201 \let\Gin@angle\relax
20202 \let\Gin@ewidth\Gin@exclamation
20203 \let\Gin@eheight\Gin@ewidth
20204 \def\Gin@scalex{1}
20205 \let\Gin@scaley\Gin@exclamation
20206 }{%
20207 \if@RTL\ifGin@grid%
20208 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20209 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20210 \fi%
20211 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
20212 \end{picture}%
20213 }%

```

126 File pdfbase-xetex-bidi.def

```

20214 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
20215 \ExplSyntaxOn
20216 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
20217 \cs_set_nopar:Npn\@outputpage{
20218 \int_gincr:N\g_pbs_page_int
20219 \box_if_vertical:cTF{\outputbox}{
20220 \bool_set_true:N\l_pbs_is_vertical_bool
20221 }{
20222 \bool_set_false:N\l_pbs_is_vertical_bool
20223 }
20224 \hbox_set:Nn\@outputbox{
20225 %begin of page
20226 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
20227 \box_use_drop:N\@outputbox
20228 %end of page
20229 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
20230 }
20231 \bool_if:NT\l_pbs_is_vertical_bool{
20232 \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
20233 }
20234 \pbs_outputpage_orig:
20235 }
20236 \ExplSyntaxOff

```

127 File pdfscape-xetex-bidi.def

```

20237 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa
20238 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
20239 \if@RTL
20240 \PLS@Rotate{-90}%
20241 \else
20242 \PLS@Rotate{90}%
20243 \fi
20244 }{}{}

```

128 File pdfpages-xetex-bidi.def

```

20245 \ProvidesFile{pdpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package

```



```

20246 \renewcommand*{\includepdf}[2] [] {%
20247   \begingroup
20248   \@RTLfalse
20249   \let\AM@threadname\relax
20250   \AM@split@options{pdfpages}{#1}%
20251   \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
20252   \expandafter\setkeys\AM@temp
20253   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
20254     \let\AM@currentdocname\relax
20255     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
20256     \def\AM@pagecount{0}%
20257   }{%
20258     \AM@findfile{#2}%
20259     \if\AM@threadname\relax
20260       \def\AM@threadname{\AM@currentdocname}%
20261     \fi
20262   }%
20263   \ifAM@survey
20264     \def\AM@pagestemp{}%
20265     \@tempcnta=0
20266     \def\foo{%
20267       \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
20268         {\let\foo\relax}
20269       {\expandafter\ifx\expandafter\\AM@pagestemp\\
20270         \edef\AM@pagestemp{%
20271           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
20272         \else
20273           \edef\AM@pagestemp{\AM@pagestemp,%
20274             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
20275         \fi
20276         \advance\@tempcnta 1\relax
20277       }%
20278     \foo
20279   }%
20280   \foo
20281   \expandafter\ifx\expandafter\\AM@pagestemp\\
20282     \def\AM@pagestemp{1}%
20283   \fi
20284 \fi
20285 \ifAM@output
20286   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
20287   \AM@output{#1}%
20288 \fi
20289 \AM@CheckAtEnd
20290 \endgroup
20291 \AM@ClearShipoutPicture
20292 }

```

129 File pgfcorescopes.code-xetex-bidi.def

```

20293 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
20294 \def\pgfpicture{%
20295   \begingroup%
20296   \ifmmode\else\@RTLfalse\beginL\fi%

```



```

20297 \pgfpicturetrue%
20298 \global\advance\pgf@picture@serial@count by1\relax%
20299 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
20300 \let\pgf@nodecallback=\pgfutil@gobble%
20301 \pgf@picmaxx=-16000pt\relax%
20302 \pgf@picminx=16000pt\relax%
20303 \pgf@picmaxy=-16000pt\relax%
20304 \pgf@picminy=16000pt\relax%
20305 \pgf@relevantforpicturesizetrue%
20306 \pgf@resetpathsizes%
20307 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
20308 \def\endpgfpicture{%
20309     \ifpgfrememberpicturepositiononpage%
20310         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
20311     \fi%
20312     % ok, now let's position the box
20313     \ifdim\pgf@picmaxx=-16000pt\relax%
20314         % empty picture. make size 0.
20315         \global\pgf@picmaxx=0pt\relax%
20316         \global\pgf@picminx=0pt\relax%
20317         \global\pgf@picmaxy=0pt\relax%
20318         \global\pgf@picminy=0pt\relax%
20319     \fi%
20320     % Shift baseline outside:
20321     \pgf@relevantforpicturesizefalse%
20322     \pgf@process{\pgf@baseline}%
20323     \xdef\pgf@shift@baseline{\the\pgf@y}%
20324     %
20325     \pgf@process{\pgf@trimleft}%
20326     \global\advance\pgf@x by-\pgf@picminx
20327     % prepare \hskip\pgf@trimleft@final.
20328     % note that \pgf@trimleft@final is also queried
20329     % by the pgf image externalization.
20330     \xdef\pgf@trimleft@final{-\the\pgf@x}%
20331     %
20332     \pgf@process{\pgf@trimright}%
20333     \global\advance\pgf@x by-\pgf@picmaxx
20334     % prepare \hskip\pgf@trimright@final.
20335     % note that \pgf@trimright@final is also queried
20336     % by the pgf image externalization.
20337     \xdef\pgf@trimright@final{\the\pgf@x}%
20338     %
20339     \pgf@remember@layerlist@globally
20340     \endgroup%
20341     \hss%
20342     \egroup%
20343     \pgf@restore@layerlist@from@global
20344     \pgf@insertlayers%
20345     \endgroup%
20346     \pgfsys@discardpath%
20347     \endgroup%
20348     \pgfsys@endscope%
20349     \pgfsys@endpicture%
20350     \endgroup%

```



```

20351     \hss
20352 \egroup%
20353 \pgfsys@typesetpicturebox\pgfpic%
20354 \ifmode\else\endL\fi%
20355 \endgroup%
20356 }

```

130 File pgfsys.code-xetex-bidi.def

```

20357 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.t
20358 \def\pgfsys@shadingoutsidepgfpicture#1{%
20359 \beginL#1\endL%
20360 }
20361
20362

```

131 File picinpar-xetex-bidi.def

```

20363 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package
20364 \long\def\@makewincaption#1#2{%
20365 \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
20366 \ifdim\wd\@tempboxa>\picwd
20367 {\footnotesize{\bf #1:\enspace}{#2\par}}
20368 \else
20369 \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
20370 \fi}
20371 \def\endwindow{%
20372 \global\tcd=\tcdsav
20373 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
20374 \vbadness=10000
20375 \splittopskip=0pt
20376 %
20377 % Typeset the lines above the window
20378 %
20379 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
20380 \tcn=\tcd
20381 \loop\advance\tcn -1
20382 \setbox\fslice=\vsplit\holder to\baselineskip
20383 \prune\fslice\linewidth
20384 \topheight=0pt
20385 \ifnum\dp\fslice>\dp\wstrutbox
20386 \advance\topheight-\dp\fslice
20387 \advance\topheight\dp\wstrutbox
20388 \advance\topheight\ilg\fi
20389 \hbox to\linewidth{\box\fslice}
20390 \vskip-\topheight
20391 \ifdim\ht\holder>0pt\repeat
20392 \fi
20393 %
20394 % Now we build the boxes beside the window
20395 %
20396 \global\topheight=\tcl\baselineskip
20397 \ifnum\cumpartcl>0\global\tcl=\cumtcl
20398 \global\topheight=\vpic

```



```

20399 \fi
20400 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
20401 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
20402 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
20403 \tcn=\tcl \na=0 \nb=0
20404 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
20405 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
20406 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
20407 \ifnum\na=0\ifnum\nb=0
20408     \setbox\waslice=\vbox to\vpic{\vss}
20409     \setbox\wbslice=\vbox to\vpic{\vss}
20410     \bl=1\br=1
20411     \vskip\ilg
20412 \fi\fi
20413 %
20414 % both sides
20415 %
20416 \ifnum\na>0 \ifnum\nb>0
20417 \loop\advance\nb -1
20418 \advance\na -1
20419 \if@RTL%
20420 \setbox\bslice=\vsplit\holder to\baselineskip
20421 \prune\bslice\rtside
20422 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20423 to\rtside{\box\bslice\hfil}}
20424 \setbox\aslice=\vsplit\holder to\baselineskip
20425 \prune\aslice\lftside
20426 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20427 to\lftside{\box\aslice\hfil}}
20428 \else%
20429 \setbox\aslice=\vsplit\holder to\baselineskip
20430 \prune\aslice\lftside
20431 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20432 to\lftside{\box\aslice\hfil}}
20433 \setbox\bslice=\vsplit\holder to\baselineskip
20434 \prune\bslice\rtside
20435 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20436 to\rtside{\box\bslice\hfil}}
20437 \fi%
20438 \ifnum\nb>0\repeat
20439 \fi\fi
20440 %
20441 % only text on the left side
20442 %
20443 \ifnum\na>0
20444     \loop\advance\na -1
20445     \setbox\aslice=\vsplit\holder to\baselineskip
20446     \prune\aslice\lftside
20447     \setbox\waslice=\vbox{\unvbox\waslice\hbox
20448 to\lftside{\box\aslice\hfil}}
20449     \ifdim\ht\holder>0pt\repeat
20450 \fi
20451 %
20452 % only text on the right side

```



```

20453 %
20454 \ifnum\nb>0
20455   \loop\advance\nb -1
20456   \setbox\bslice=\vsplit\holder to\baselineskip
20457   \prune\bslice\rtside
20458   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20459   to\rtside{\box\bslice\hfil}}
20460   \ifdim\ht\holder>0pt\repeat
20461 \fi
20462 %
20463 % fixing the dimensions of the window part
20464 %
20465 \ifnum\bl=0\topheight=\ht\wbslice
20466 \else\ifnum\br=0\topheight=\ht\waslice
20467   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
20468   \else\topheight=\ht\wbslice\fi\fi\fi
20469 %
20470 % ship out the window material to the main vertical list
20471 %
20472 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
20473 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
20474 \fi\fi\fi
20475 \setbox>windowbox=\vbox{\hbox to\linewidth{%
20476 \ifnum\bl>0\box\waslice\hfill\fi%
20477 \vbox to\topheight{\hrule width\picwd heightOpt depthOpt\vskipOpt%
20478 \vfill\unvbox\picbox%
20479 \ifnum\picwd>0\vfill\fi%
20480 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
20481 \unvbox>windowbox%
20482 \loop
20483 \setbox\bslice=\vsplit\rawtext to\baselineskip
20484 \prune\bslice\linewidth
20485 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
20486 \unvbox\wbslice
20487 \ifdim\ht\rawtext>0pt
20488 \repeat
20489 }% FINITO

```

132 File plain-xetex-bidi.def

```

20490 \def\TeXeTOn{\TeXeTstate=1 }
20491 \def\TeXeTOff{\TeXeTstate=0 }
20492 \TeXeTOn
20493 \def\usebox#1{\leavevmode\copy #1\relax}
20494 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebo
20495   \let\bidi@o@everypar=\everypar
20496   \newtoks\bidi@n@everypar
20497   \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20498   \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20499   \let\everypar=\bidi@n@everypar
20500 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20501 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20502 \protected\def\hboxR{\hbox\bgroup
20503 \everyhbox{%

```




```

20504 \aftergroup\egroup
20505 \everyhbox{}%
20506 \beginR
20507 \@hboxRconstructtrue
20508 \bgroup
20509 \aftergroup\endR
20510 \aftergroup\egroup
20511 }\hbox}
20512 \protected\def\hboxL{\hbox\bgroup
20513 \everyhbox{}%
20514 \aftergroup\egroup
20515 \everyhbox{}%
20516 \beginL
20517 \@hboxRconstructfalse
20518 \bgroup
20519 \aftergroup\endL
20520 \aftergroup\egroup
20521 }\hbox}
20522 \protected\def\vboxR{\vbox\bgroup
20523 \everyvbox{}%
20524 \aftergroup\egroup
20525 \everyvbox{}%
20526 \@RTLtrue
20527 \bgroup
20528 \aftergroup\egroup
20529 }\vbox}
20530 \protected\def\vboxL{\vbox\bgroup
20531 \everyvbox{}%
20532 \aftergroup\egroup
20533 \everyvbox{}%
20534 \@RTLfalse
20535 \bgroup
20536 \aftergroup\egroup
20537 }\vbox}
20538 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
20539 \def\endLTR{\par}
20540 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
20541 \def\endRTL{\par}
20542 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
20543 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
20544 \let\unsetRTL=\setLTR
20545 \let\unsetLTR=\setRTL
20546 \let\LR=\LRE
20547 \let\RL=\RLE
20548 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20549 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20550 \let\@ensure@RL=\@ensure@RTL
20551 \let\@ensure@LR=\@ensure@LTR
20552 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20553 \let\@ensure@maindir=\@ensure@dir
20554 \def\@@RTL{RTL}
20555 \def\@@LTR{LTR}
20556 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20557 \def\reset@dir{\ifx\saved@dir\@@RTL\setRTL\else\ifx\saved@dir\@@LTR\setLTR\else\relax\fi}

```



```

20558 \let\@TeX\TeX
20559 \def\TeX{\@ensure@LTR{\@TeX}}
20560 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
20561   \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
20562   \ifvoid\footins\else % footnote info is present
20563     \vskip\skip\footins
20564     \footnoterule
20565     \unvbox\footins\fi
20566   \ifr@ggedbottom \kern-\dimen@ \vfil \fi
20567   \ifvoid\@bidi@copyins@
20568   \else
20569     \vskip\skip\@bidi@copyins@
20570     \unvbox\@bidi@copyins@
20571   \fi
20572 }
20573 \long\def\@bidi@reflect@box#1{%
20574   \leavevmode
20575   \setbox\z@\hbox{#1}%
20576   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20577   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
20578 }
20579 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
20580   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20581 \let\setRL=\setRTL
20582 \let\setLR=\setLTR
20583 \let\unsetRL=\setLTR
20584 \let\@bidi@saved@eqno=\eqno
20585 \let\@bidi@saved@leqno=\leqno
20586 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
20587 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
20588 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20589 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20590 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

133 File pstricks-xetex-bidi.def

```

20591 \ProvidesFile{pstricks-xetex-bidi.def}[2022/09/22 v0.6 bidi adaptations for pstricks package]
20592 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
20593 \def\endpspicture{%
20594   \ifshowgrid\ifnum\showgridp@s>0
20595     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
20596   \pst@killglue
20597 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
20598   \endgroup
20599   \egroup
20600   \ifdim\wd\pst@hbox=\z@\else
20601     %\@pstrickserr{Extraneous space in the pspicture environment}%
20602     %{\Type \space <return> \space to proceed.}%
20603   \fi
20604   \ht\pst@hbox=\pst@dimd
20605   \dp\pst@hbox=-\pst@dimb
20606   \setbox\pst@hbox=\hbox{%
20607     \kern-\pst@dima
20608 %   Orig version -----

```



```

20609 %\ifx\pst@tempa\@empty\else
20610 %\advance\pst@dimd-\pst@dimb
20611 %\pst@dimd=\pst@tempa\pst@dimd
20612 %\advance\pst@dimd\pst@dimb
20613 %\lower\pst@dimd
20614 %\fi
20615 %----- end Orig
20616 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
20617 \advance\pst@dimd-\pst@dimb
20618 \pst@dimd=0.5\pst@dimd
20619 \else\pst@dimd-\pst@shift\fi
20620 \advance\pst@dimd\pst@dimb
20621 \lower\pst@dimd
20622 \box\pst@hbox
20623 \kern\pst@dimc}%
20624 \if@star\setbox\pst@hbox=\hbox{\clipbox@{\z@}\fi
20625 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
20626 \fbboxsep=0pt
20627 \fbbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
20628 \ifmmode\else\endL\fi
20629 \endgroup%
20630 \psset[pstricks]{shift=0}% reset value
20631 }
20632
20633 \bidi@patchcmd\@scalebox{%
20634 \special{x: bscale \pst@tempc \pst@tempd}%
20635 \hbox to \z@\box\pst@hbox\hss}%
20636 \special{x: escale}%
20637 }{%
20638 \if@RTL
20639 \special{x: escale}%
20640 \else
20641 \special{x: bscale \pst@tempc \pst@tempd}%
20642 \fi
20643 \hbox to \z@\box\pst@hbox\hss}%
20644 \if@RTL
20645 \special{x: bscale \pst@tempc \pst@tempd}%
20646 \else
20647 \special{x: escale}%
20648 \fi
20649 }{}{}
20650 \let\ps@@scalebox\@scalebox
20651

```

134 File quotchap-xetex-bidi.def

```

20652 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
20653 \renewcommand{\qauthor}[1]{%
20654 \par\smallskip
20655 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}
20656 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
20657 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
20658 {\chapnumfont
20659 \ifnum \c@secnumdepth >\m@ne%

```



```

20660     \if@mainmatter\thechapter%
20661     \fi\fi
20662     \par\nobreak}%
20663     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi}
20664     \nobreak\chapterheadendvskip}}
20665 \renewcommand*{\@iprintcites}{%
20666 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
20667 \global\let\@printcites\relax}

```

135 File ragged2e-xetex-bidi.def

```

20668 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
20669 \renewcommand{\Centering}{%
20670   \ifx\\ \@raggedtwo@savedcr
20671     \let\\ @centercr
20672   \fi
20673   \let@gnewline\@raggedtwo@gnewline
20674   \if@RTL\rightrightmargin\else\leftmargin\fi\CenteringLeftskip
20675   \@rightmargin\CenteringRightmargin
20676   \if@RTL\leftmargin\else\rightmargin\fi\@rightmargin
20677   \parfillskip\CenteringParfillskip
20678   \parindent\CenteringParindent
20679   \@raggedtwo@spaceskiptrue
20680   \@raggedtwo@everyselectfont
20681 }
20682 \renewcommand{\RaggedLeft}{%
20683   \ifx\\ \@raggedtwo@savedcr
20684     \let\\ @centercr
20685   \fi
20686   \let@gnewline\@raggedtwo@gnewline
20687   \if@RTL\rightrightmargin\else\leftmargin\fi\RaggedLeftLeftskip
20688   \@rightmargin\RaggedLeftRightmargin
20689   \if@RTL\leftmargin\else\rightmargin\fi\@rightmargin
20690   \parfillskip\RaggedLeftParfillskip
20691   \parindent\RaggedLeftParindent
20692   \@raggedtwo@spaceskiptrue
20693   \@raggedtwo@everyselectfont
20694 }
20695 \renewcommand{\RaggedRight}{%
20696   \ifx\\ \@raggedtwo@savedcr
20697     \let\\ @centercr
20698   \fi
20699   \let@gnewline\@raggedtwo@gnewline
20700   \if@RTL\rightrightmargin\else\leftmargin\fi\RaggedRightLeftskip
20701   \@rightmargin\RaggedRightRightmargin
20702   \if@RTL\leftmargin\else\rightmargin\fi\@rightmargin
20703   \parfillskip\RaggedRightParfillskip
20704   \parindent\RaggedRightParindent
20705   \@raggedtwo@spaceskiptrue
20706   \@raggedtwo@everyselectfont
20707 }
20708 \renewcommand{\justifying}{%
20709   \let\\ \@raggedtwo@savedcr
20710   \let@gnewline\@raggedtwo@saved@gnewline

```



```

20711 \if@RTL\rightskip\else\leftskip\fi\z@
20712 \@rightskip\z@
20713 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20714 \parfillskip\JustifyingParfillskip
20715 \parindent\JustifyingParindent
20716 \@raggedtwo@spaceskipfalse
20717 \@raggedtwo@everyselectfont
20718 }
20719 \def\@raggedtwo@raggedrightboxes@opt{%
20720 \renewcommand{\@arrayparboxrestore}{%
20721 \let\if@nobreak\iffalse
20722 \let\if@noskipsec\iffalse
20723 \let\par\@par
20724 \let\-\@dischyph
20725 \let'\@acci\let`\@accii\let\=\@acciii
20726 \parskip\z@skip
20727 \everypar{}%
20728 \linewidth\hsize
20729 \@totalleftmargin\z@
20730 \if@RTL
20731 \RaggedLeft
20732 \else
20733 \RaggedRight
20734 \fi
20735 \lineskip\normallineskip
20736 \baselineskip\normalbaselineskip
20737 \sloppy}%
20738 \let\@raggedtwo@raggedrightboxes@opt\relax
20739 }
20740 \def\@raggedtwo@document@opt{%
20741 \AtBeginDocument{\@raggedtwo@abdhook}%
20742 \@raggedtwo@raggedrightboxes@opt
20743 \@raggedtwo@footmisctrue
20744 \let\@raggedtwo@document@opt\relax
20745 }
20746 \def\@raggedtwo@abdhook{%
20747 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
20748 right to left documents and '\string\RaggedRight' for left
20749 to right documents}%
20750 \if@RTL
20751 \RaggedLeft
20752 \else
20753 \RaggedRight
20754 \fi
20755 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
20756 \let\@raggedtwo@abdhook\relax
20757 }
20758 \ifpackagewith{ragged2e}{raggedrightboxes}{%
20759 \@raggedtwo@raggedrightboxes@opt
20760 }{}
20761 \ifpackagewith{ragged2e}{document}{%
20762 \@raggedtwo@document@opt
20763 }{}
20764 \let\origin@RaggedLeft=\RaggedLeft

```



```

20765 \let\origin@RaggedRight=\RaggedRight
20766 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
20767 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

136 File rapport1-xetex-bidi.def

```

20768 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
20769 \renewenvironment{theindex}{%
20770   \if@twocolumn
20771     \@restonecolfalse
20772   \else
20773     \@restonecoltrue
20774   \fi
20775   \columnseprule \z@
20776   \columnsep 35\p@
20777   \twocolumn[\@makeschapterhead{\indexname}]%
20778   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20779   \thispagestyle{plain}\parindent\z@
20780   \parskip\z@ \@plus .3\p@\relax
20781   \let\item\@idxitem
20782 }{%
20783   \if@restonecol\onecolumn\else\clearpage\fi}
20784 \renewcommand*{head@style}{%
20785   \interlinepenalty \@M
20786   \hyphenpenalty=\@M \exhyphenpenalty=\@M
20787   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
20788 \if@titlepage
20789   \renewenvironment{abstract}{%
20790     \titlepage
20791     \null\vfil
20792     \section*{\SectFont\abstractname}%
20793     \noindent\ignorespaces}
20794   {\par\vfil\null\endtitlepage}
20795 \else
20796   \renewenvironment{abstract}{%
20797     \if@twocolumn
20798       \section*{\abstractname}%
20799     \else
20800       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
20801       \section*{\small\SectFont\abstractname}%
20802       \noindent\ignorespaces
20803     \fi}
20804   {\if@twocolumn\else\par\egroup\fi}
20805 \fi
20806 \renewcommand*{\regtocline}[3]{%
20807   \ifnum #1>\c@tocdepth
20808   \else
20809     \vskip\z@\@plus.2\p@
20810     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
20811     \if@RTL\rightskip\else\leftskip\fi\unitindent
20812     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
20813     \parfillskip\z@
20814     \@tempdima\unitindent
20815     \parindent\z@

```



```

20816 \leavevmode
20817 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
20818 \hskip 1em \nobreak{\slshape #3}\par
20819 }%
20820 \fi}
20821 \if@oldtoc
20822 \renewcommand*\l@part[2]{%
20823 \ifnum \c@tocdepth >-2\relax
20824 \addpenalty{-\@highpenalty}%
20825 \addvspace{2.25em \@plus\p@}%
20826 \begingroup
20827 \setlength\@tempdima{3em}%
20828 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20829 \parfillskip -\@pnumwidth
20830 {\leavevmode
20831 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
20832 \nobreak
20833 \global\@nobreaktrue
20834 \everypar{\global\@nobreakfalse\everypar{}}%
20835 \endgroup
20836 \fi}
20837 \else
20838 \renewcommand*\l@part{%
20839 \ifnum \c@tocdepth >-2\relax
20840 \addpenalty{-\@highpenalty}%
20841 \addvspace{2.25em \@plus\p@}%
20842 \@regtocoline{0}%
20843 \fi}
20844 \fi
20845 \if@oldtoc
20846 \renewcommand*\l@chapter[2]{%
20847 \addpenalty{-\@highpenalty}%
20848 \vskip 1.0em \@plus\p@
20849 \setlength\@tempdima{1.5em}%
20850 \begingroup
20851 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20852 \parfillskip -\@pnumwidth
20853 \leavevmode \bfseries
20854 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
20855 \hskip -\if@RTL\rightskip\else\leftskip\fi
20856 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
20857 \penalty\@highpenalty
20858 \endgroup}
20859 \else
20860 \renewcommand*\l@chapter{\@regtocoline{0}}
20861 \fi
20862 \renewcommand*\left@footnoterule{%
20863 \kern-3\p@
20864 \kern.5\baselineskip
20865 \hrule\@width\unitindent
20866 \kern.4\baselineskip
20867 }
20868 \renewcommand*\right@footnoterule{%
20869 \kern-3\p@

```



```

20870 \kern.5\baselineskip
20871 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
20872 \kern.4\baselineskip}
20873 \renewenvironment{thebibliography}[1]
20874     {\chapter*{\bibname}%
20875      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
20876      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20877      \bidi@thebibliography@font@hook%
20878      \list{\@biblabel{\@arabic\c@enumiv}}%
20879          {\settowidth\labelwidth{\@biblabel{#1}}%
20880           \leftmargin\labelwidth
20881           \advance\leftmargin\labelsep
20882           \@openbib@code
20883           \usecounter{enumiv}%
20884           \let\p@enumiv\@empty
20885           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
20886      \sloppy\clubpenalty4000\widowpenalty4000%
20887      \sfcode\.\@m}
20888     {\def\@noitemerr
20889      {\@latex@warning{Empty `thebibliography' environment}}%
20890      \endlist}
20891 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
20892 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20893 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
20894 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20895 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
20896 \renewcommand*\theequation{%
20897 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
20898 \renewcommand*\thefigure{%
20899 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
20900 \renewcommand*\thetable{%
20901 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
20902 \if@titlepage
20903 \renewcommand*\TitleFont{\rmfamily}
20904 \renewcommand*\maketitle{%
20905 \begin{titlepage}%
20906     \let\footnotesize\small
20907     \let\right@footnoterule\relax
20908     \let\left@footnoterule\relax
20909     \let\textwidth@footnoterule\relax
20910     \let \footnote \thanks
20911     \long\def\@makefnmark{\parindent\z@
20912       \def\labelitemi{\textendash}\@revlabeltrue
20913       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20914     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20915     \if@compatibility\setcounter{page}{0}\fi
20916     \null\vfil
20917     \vskip 60\p@
20918     \begin{center}%
20919       \TitleFont
20920       {\LARGE \def\\{\penalty -\@M}
20921       \if@allcaps
20922       \expandafter\uc@nothanks\@title\thanks\relax
20923       \else

```




```

20924         \@title
20925         \fi\par}%
20926     \vskip 3em%
20927     {\large
20928         \lineskip .75em \parindent\z@
20929         \begin{tabular}[t]{c}%
20930             \if@allcaps
20931                 \expandafter\uc@authornothanks\@author\and\relax
20932             \else
20933                 \@author
20934             \fi
20935         \end{tabular}\par}%
20936     \vskip 1.5em%
20937     {\large
20938         \if@allcaps
20939             \uppercase\expandafter{\@date}%
20940         \else
20941             \@date
20942         \fi\par}%
20943     \end{center}\par
20944     \@thanks
20945     \vfil\null
20946 \end{titlepage}%
20947 \setcounter{footnote}{0}%
20948 \global\let\thanks\relax
20949 \global\let\maketitle\relax
20950 \global\let\@thanks\@empty
20951 \global\let\@author\@empty
20952 \global\let\@title\@empty
20953 \global\let\@date\@empty
20954 \global\let\title\relax
20955 \global\let\author\relax
20956 \global\let\date\relax
20957 \global\let\and\relax
20958 }
20959 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20960 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20961     \futurelet\@tempa\uc@ax}
20962 \def\uc@ax{%
20963     \ifx\@tempa\relax
20964     \else
20965         \ \andname \ \ \expandafter\uc@authornothanks
20966     \fi}
20967 \def\uc@tx{\ifx\@tempa\relax
20968     \else \expandafter\uc@ty \fi}
20969 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20970 \else
20971 \renewcommand*\maketitle{\par
20972     \begingroup
20973     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20974     \def\@makefnmark{\rlap{%
20975         \@textsuperscript{\normalfont\@thefnmark}}}%
20976     \long\def\@makefntext{\@xmakefntext{%
20977         \@textsuperscript{\normalfont\@thefnmark}}}%

```



```

20978 \if@twocolumn
20979 \ifnum \col@number=\@ne
20980 \maketitle
20981 \else
20982 \twocolumn[\maketitle]%
20983 \fi
20984 \else
20985 \newpage
20986 \global\@topnum\z@
20987 \maketitle
20988 \fi
20989 \thispagestyle{plain}\@thanks
20990 \endgroup
20991 \setcounter{footnote}{0}%
20992 \global\let\thanks\relax
20993 \global\let\maketitle\relax
20994 \global\let\@maketitle\relax
20995 \global\let\@thanks\@empty
20996 \global\let\@author\@empty
20997 \global\let\@title\@empty
20998 \global\let\@date\@empty
20999 \global\let\title\relax
21000 \global\let\author\relax
21001 \global\let\date\relax
21002 \global\let\and\relax
21003 }
21004 \def\maketitle{%
21005 \newpage
21006 \null
21007 \vskip 2em%
21008 \begin{center}%
21009 \let \footnote \thanks
21010 {\LARGE \TitleFont \@title \par}%
21011 \vskip 1.5em%
21012 {\large \TitleFont
21013 \lineskip .5em%
21014 \begin{tabular}[t]{c}%
21015 \@author
21016 \end{tabular}\par}%
21017 \vskip 1em%
21018 {\large \TitleFont \@date}%
21019 \end{center}%
21020 \par
21021 \vskip 1.5em}
21022 \fi

```

137 File rapport3-xetex-bidi.def

```

21023 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
21024 \renewenvironment{theindex}{%
21025 \if@twocolumn
21026 \@restonecolfalse
21027 \else
21028 \@restonecoltrue

```



```

21029 \fi
21030 \columnseprule \z@
21031 \columnsep 35\p@
21032 \twocolumn[\@makeschapterhead{\indexname}]%
21033 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
21034 \thispagestyle{plain}\parindent\z@
21035 \parskip\z@ \@plus .3\p@\relax
21036 \let\item\@idxitem
21037 }-%
21038 \if@restonecol\onecolumn\else\clearpage\fi}
21039 \if@titlepage
21040 \renewcommand*{\TitleFont{\rmfamily}}
21041 \renewcommand*\maketitle{%
21042 \begin{titlepage}%
21043 \let\footnotesize\small
21044 \let\right@footnoterule\relax
21045 \let\left@footnoterule\relax
21046 \let\textwidth@footnoterule\relax
21047 \let \footnote \thanks
21048 \let \LTRfootnote \LTRthanks
21049 \let \RTLfootnote \RTLthanks
21050 \long\def\@makefnctext##1{\parindent\z@
21051 \def\labelitemi{\textendash}\@revlabeltrue
21052 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
21053 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21054 \if@compatibility\setcounter{page}{0}\fi
21055 \null\vfil
21056 \vskip 60\p@
21057 \begin{center}%
21058 \TitleFont
21059 {\LARGE \def\{\penalty -\@M}
21060 \if@allcaps
21061 \expandafter\c@nothanks\@title\thanks\relax
21062 \else
21063 \@title
21064 \fi\par}%
21065 \vskip 3em%
21066 {\large
21067 \lineskip .75em \parindent\z@
21068 \begin{tabular}[t]{c}%
21069 \if@allcaps
21070 \expandafter\c@authornothanks\@author\and\relax
21071 \else
21072 \@author
21073 \fi
21074 \end{tabular}\par}%
21075 \vskip 1.5em%
21076 {\large
21077 \if@allcaps
21078 \uppercase\expandafter{\@date}%
21079 \else
21080 \@date
21081 \fi\par}%
21082 \end{center}\par

```



```

21083 \thanks
21084 \vfil\null
21085 \end{titlepage}%
21086 \setcounter{footnote}{0}%
21087 \global\let\thanks\relax
21088 \global\let\LTRthanks\relax
21089 \global\let\RTLthanks\relax
21090 \global\let\maketitle\relax
21091 \global\let\@thanks\@empty
21092 \global\let\@author\@empty
21093 \global\let\@title\@empty
21094 \global\let\@date\@empty
21095 \global\let\title\relax
21096 \global\let\author\relax
21097 \global\let\date\relax
21098 \global\let\and\relax
21099 }
21100 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
21101 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
21102 \futurelet\@tempa\uc@ax}
21103 \def\uc@ax{%
21104 \ifx\@tempa\relax
21105 \else
21106 \ \andname \ \expandafter\uc@authornothanks
21107 \fi}
21108 \def\uc@tx{\ifx\@tempa\relax
21109 \else \expandafter\uc@ty \fi}
21110 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
21111 \else
21112 \renewcommand*\maketitle{\par
21113 \begingroup
21114 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21115 \def\@makefnmark{\rlap{%
21116 \@textsuperscript{\normalfont\@thefnmark}}}%
21117 \long\def\@makefntext{\@xmakefntext{%
21118 \@textsuperscript{\normalfont\@thefnmark}}}%
21119 \if@twocolumn
21120 \ifnum \col@number=\@ne
21121 \@maketitle
21122 \else
21123 \twocolumn[\@maketitle]%
21124 \fi
21125 \else
21126 \newpage
21127 \global\@topnum\z@
21128 \@maketitle
21129 \fi
21130 \thispagestyle{plain}\@thanks
21131 \endgroup
21132 \setcounter{footnote}{0}%
21133 \global\let\thanks\relax
21134 \global\let\LTRthanks\relax
21135 \global\let\RTLthanks\relax
21136 \global\let\maketitle\relax

```



```

21137 \global\let\@maketitle\relax
21138 \global\let\@thanks\@empty
21139 \global\let\@author\@empty
21140 \global\let\@title\@empty
21141 \global\let\@date\@empty
21142 \global\let\title\relax
21143 \global\let\author\relax
21144 \global\let\date\relax
21145 \global\let\and\relax
21146 }
21147 \def\@maketitle{%
21148 \newpage
21149 \null
21150 \vskip 2em%
21151 \if@titlecentered
21152 \begin{center}%
21153 \let \footnote \thanks
21154 \let \LTRfootnote \LTRthanks
21155 \let \RTLfootnote \RTLthanks
21156 {\LARGE \TitleFont \@title \par}%
21157 \vskip 1.5em%
21158 {\large \TitleFont
21159 \lineskip .5em%
21160 \begin{tabular}[t]{c}%
21161 \@author
21162 \end{tabular}\par}%
21163 \vskip 1em%
21164 {\large \TitleFont \@date}%
21165 \end{center}%
21166 \else
21167 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
21168 {\large \TitleFont \lineskip .5em \tabcolsep\z@
21169 \def\and{%% \begin{tabular} has already started
21170 \end{tabular}\hskip 1em plus .17fil
21171 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabu
21172 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}
21173 \vskip 1em {\large \TitleFont \@date}
21174 \fi
21175 \par
21176 \vskip 1.5em}
21177 \fi
21178 \renewcommand*\@regtocoline[3]{%
21179 \ifnum #1>\c@tocdepth
21180 \else
21181 \vskip\z@\@plus.2\p@
21182 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
21183 \if@RTL\righskip\else\leftskip\fi\unitindent
21184 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
21185 \parfillskip\z@
21186 \@tempdima\unitindent
21187 \parindent\z@
21188 \leavevmode
21189 \hbox{}}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
21190 \hskip 1em \nobreak{\slshape #3}\par

```



```

21191     }%
21192 \fi}
21193 \if@oldtoc
21194 \renewcommand*\l@part[2]{%
21195   \ifnum \c@tocdepth >-2\relax
21196     \addpenalty{-\@highpenalty}%
21197     \addvspace{2.25em \@plus\p@}%
21198     \begingroup
21199       \setlength\@tempdima{3em}%
21200       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21201       \parfillskip -\@pnumwidth
21202       {\leavevmode
21203         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21204         \nobreak
21205         \global\@nobreaktrue
21206         \everypar{\global\@nobreakfalse\everypar{}}%
21207       \endgroup
21208 \fi}
21209 \else
21210   \renewcommand*\l@part{%
21211     \ifnum \c@tocdepth >-2\relax
21212       \addpenalty{-\@highpenalty}%
21213       \addvspace{2.25em \@plus \p@}%
21214       \@regtocline{0}%
21215     \fi}
21216 \fi
21217 \if@oldtoc
21218 \renewcommand*\l@chapter[2]{%
21219   \addpenalty{-\@highpenalty}%
21220   \vskip 1.0em \@plus\p@
21221   \setlength\@tempdima{1.5em}%
21222   \begingroup
21223   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21224   \parfillskip -\@pnumwidth
21225   \leavevmode \bfseries
21226   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21227   \hskip -\if@RTL\rightskip\else\leftskip\fi
21228   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21229   \penalty\@highpenalty
21230 \endgroup}
21231 \else
21232 \renewcommand*\l@chapter{\@regtocline{0}}
21233 \fi
21234 \renewcommand*\head@style{%
21235   \interlinepenalty \@M
21236   \hyphenpenalty=\@M \exhyphenpenalty=\@M
21237   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
21238 \if@titlepage
21239 \renewenvironment{abstract}{%
21240   \titlepage
21241   \null\vfil
21242   \section*\SectFont\abstractname}%
21243 \noindent\ignorespaces}
21244 {\par\vfil\null\endtitlepage}

```



```

21245 \else
21246 \renewenvironment{abstract}{%
21247     \if@twocolumn
21248     \section*{\abstractname}%
21249     \else
21250     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
21251     \section*{\small\SectFont\abstractname}%
21252     \noindent\ignorespaces
21253     \fi}
21254     {\if@twocolumn\else\par\egroup\fi}
21255 \fi
21256 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
21257 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
21258 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
21259 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21260 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
21261 \renewcommand*\thefigure{%
21262     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
21263 \renewcommand*\thetable{%
21264     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
21265 \renewcommand*\theequation{%
21266     \ifnum\c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
21267 \renewenvironment{thebibliography}[1]
21268     {\chapter*{\bibname}%
21269     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21270     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21271     \bidi@thebibliography@font@hook%
21272     \list{\@biblabel{\@arabic\c@enumiv}}%
21273     {\settowidth\labelwidth{\@biblabel{#1}}%
21274     \leftmargin\labelwidth
21275     \advance\leftmargin\labelsep
21276     \@openbib@code
21277     \usecounter{enumiv}%
21278     \let\p@enumiv\@empty
21279     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
21280     \sloppy\clubpenalty4000\widowpenalty4000}
21281     \sfcode\.\@m}
21282     {\def\@noitemerr
21283     {\@latex@warning{Empty `thebibliography' environment}}}%
21284     \endlist}
21285 \renewcommand*\left@footnoterule{%
21286     \kern-3\p@
21287     \kern.5\baselineskip
21288     \hrule\@width\unitindent
21289     \kern.4\baselineskip
21290 }
21291 \renewcommand*\right@footnoterule{%
21292     \kern-3\p@
21293     \kern.5\baselineskip
21294     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
21295     \kern.4\baselineskip}
21296 \renewcommand*\head@style{%
21297     \interlinepenalty \@M
21298     \hyphenpenalty=\@M \exhyphenpenalty=\@M

```



```
21299 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
```

138 File refrep-xetex-bidi.def

```
21300 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
21301 \if@titlepage
21302 \renewcommand\maketitle{\begin{titlepage}%
21303 \let\footnotesize\small
21304 \let\right@footnoterule\relax
21305 \let\left@footnoterule\relax
21306 \let\textwidth@footnoterule\relax
21307 \let\footnote\thanks
21308 \let\LTRfootnote\LTRthanks
21309 \let\RTLfootnote\RTLthanks
21310 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21311 \def\@makefnmark%
21312     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21313 \long\def\@makefntext##1{%
21314     \setpar{\@par
21315         \@tempdima = \hsize
21316         \advance\@tempdima -1em
21317         \parshape \@ne 1em \@tempdima}%
21318     \par\parindent 1em \noindent
21319     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21320 \null\vfil
21321 \vskip 60\p@
21322 \begin{center}%
21323     {\LARGE \@title \par}%
21324     \vskip 3em%
21325     {\large
21326     \lineskip .75em%
21327     \begin{tabular}[t]{c}%
21328         \@author
21329     \end{tabular}\par}%
21330     \vskip 1.5em%
21331     {\large \@date \par}%           % Set date in \large size.
21332 \end{center}\par
21333 \@thanks
21334 \vfil\null
21335 \end{titlepage}%
21336 \setcounter{footnote}{0}%
21337 \global\let\thanks\relax
21338 \global\let\LTRthanks\relax
21339 \global\let\RTLthanks\relax
21340 \global\let\maketitle\relax
21341 \global\let\@thanks\@empty
21342 \global\let\@author\@empty
21343 \global\let\@date\@empty
21344 \global\let\@title\@empty
21345 \global\let\title\relax
21346 \global\let\author\relax
21347 \global\let\date\relax
21348 \global\let\and\relax
21349 }
```




```

21350 \else
21351 \renewcommand\maketitle{\par
21352 \begingroup
21353 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21354 \def\@makefnmark%
21355 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21356 \long\def\@makefnmark##1{%
21357 \setpar{\@par
21358 \tempdima = \hspace
21359 \advance\tempdima -1em
21360 \parshape \one 1em \tempdima}%
21361 \par\parindent 1em \noindent
21362 \hb@xt@\z@\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21363 \if@twocolumn
21364 \ifnum \col@number=\@one
21365 \maketitle
21366 \else
21367 \twocolumn[\maketitle]%
21368 \fi
21369 \else
21370 \newpage
21371 \global\@topnum\z@ % Prevents figures from going at top of page.
21372 \maketitle
21373 \fi
21374 \thispagestyle{empty}\@thanks
21375 \endgroup
21376 \setcounter{footnote}{0}%
21377 \global\let\thanks\relax
21378 \global\let\LTRthanks\relax
21379 \global\let\RTLthanks\relax
21380 \global\let\maketitle\relax
21381 \global\let\@maketitle\relax
21382 \global\let\@thanks\@empty
21383 \global\let\@author\@empty
21384 \global\let\@date\@empty
21385 \global\let\@title\@empty
21386 \global\let\title\relax
21387 \global\let\author\relax
21388 \global\let\date\relax
21389 \global\let\and\relax
21390 }
21391 \def\@maketitle{%
21392 \newpage
21393 \null
21394 \longthickrule\vskip1.5em%
21395 \let \footnote \thanks
21396 \let \LTRfootnote \LTRthanks
21397 \let \RTLfootnote \RTLthanks
21398 {\secshape \parskip\z@ \parindent\z@
21399 \Large\bfseries \@title \par}%
21400 \vskip1.5em\longthickrule\vskip1.5em%
21401 {\normalsize
21402 \lineskip .5em%
21403 \begin{flushright}%

```



```

21404         {\slshape\@author\par}
21405         \vskip 1em%
21406         {\@date}%
21407         \end{flushright}\par}%
21408     \vskip 1.5em}
21409 \fi
21410 \renewcommand*\l@part[2]{%
21411     \ifnum \c@tocdepth >-2\relax
21412         \addpenalty{-\@highpenalty}%
21413         \addvspace{2.25em \@plus\p}%
21414         \begingroup
21415             \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
21416             \parfillskip -\@pnumwidth
21417             {\leavevmode
21418                 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
21419             \nobreak
21420             \global\@nobreaktrue
21421             \everypar{\global\@nobreakfalse\everypar{}}%
21422         \endgroup
21423     \fi}
21424 \renewcommand*\l@chapter[2]{%
21425     \ifnum \c@tocdepth >\m@ne
21426         \addpenalty{-\@highpenalty}%
21427         \vskip 1.0em \@plus\p@
21428         \setlength\@tempdima{1.5em}%
21429         \begingroup
21430             \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
21431             \parfillskip -\@pnumwidth
21432             \leavevmode \bfseries
21433             \advance\ifRTL\rightskip\else\leftskip\fi\@tempdima
21434             \hskip -\ifRTL\rightskip\else\leftskip\fi
21435             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21436             \penalty\@highpenalty
21437         \endgroup
21438     \fi}
21439 \renewcommand\secshape{\ifRTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
21440                     \ifRTL\leftskip\else\rightskip\fi=\@flushglue%
21441                     \hyphenpenalty=2000}
21442 \renewcommand\left@footnoterule{%
21443     \kern-3\p@
21444     \hrule\@width.4\columnwidth
21445     \kern 2.6\p@}
21446 \renewcommand\right@footnoterule{%
21447     \kern-3\p@
21448     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21449     \kern2.6\p@}
21450 \renewcommand\theequation
21451 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21452 \renewcommand\thefigure
21453 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21454 \renewcommand\thetable%
21455 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21456 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
21457 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

21458 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
21459 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21460 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21461 \renewenvironment{thebibliography}[1]
21462     {\chapter*{\bibname
21463         \@mkboth{\bibname}{\bibname}}%
21464         \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
21465         \bidi@thebibliography@font@hook%
21466         \list{\@biblabel{\@arabic\c@enumiv}}%
21467             {\settowidth\labelwidth{\@biblabel{#1}}%
21468              \leftmargin\labelwidth
21469              \advance\leftmargin\labelsep
21470              \@openbib@code
21471              \usecounter{enumiv}}%
21472              \let\p@enumiv\@empty
21473              \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21474              \sloppy
21475              \clubpenalty4000
21476              \@clubpenalty \clubpenalty
21477              \widowpenalty4000%
21478         \sfcode\.\=\@m}
21479     {\def\@noitemerr
21480         {\@latex@warning{Empty `thebibliography' environment}}}%
21481     \endlist}

```

139 File report-xetex-bidi.def

```

21482 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
21483 \renewenvironment{theindex}
21484     {\if@twocolumn
21485         \@restonecolfalse
21486         \else
21487             \@restonecoltrue
21488             \fi
21489         \columnseprule \z@
21490         \columnsep 35\p@
21491         \twocolumn[\@makeschapterhead{\indexname}]}%
21492         \@mkboth{\MakeUppercase\indexname}%
21493         {\MakeUppercase\indexname}%
21494         \thispagestyle{plain}\parindent\z@
21495         \parskip\z@ \@plus .3\p@\relax
21496         \let\item\@idxitem}
21497     {\if@restonecol\onecolumn\else\clearpage\fi}
21498 \if@titlepage
21499 \renewcommand\maketitle{\begin{titlepage}%
21500 \let\footnotesize\small
21501 \let\right@footnoterule\relax
21502 \let\left@footnoterule\relax
21503 \let\textwidth@footnoterule\relax
21504 \let \footnote \thanks
21505 \let \LTRfootnote \LTRthanks
21506 \let \RTLfootnote \RTLthanks
21507 \null\vfil
21508 \vskip 60\p@

```



```

21509 \begin{center}%
21510   {\LARGE \@title \par}%
21511   \vskip 3em%
21512   {\large
21513     \lineskip .75em%
21514     \begin{tabular}[t]{c}%
21515       \@author
21516     \end{tabular}\par}%
21517     \vskip 1.5em%
21518   {\large \@date \par}%           % Set date in \large size.
21519 \end{center}\par
21520 \@thanks
21521 \vfil\null
21522 \end{titlepage}%
21523 \setcounter{footnote}{0}%
21524 \global\let\thanks\relax
21525 \global\let\LTRthanks\relax
21526 \global\let\RTLthanks\relax
21527 \global\let\maketitle\relax
21528 \global\let\@thanks\@empty
21529 \global\let\@author\@empty
21530 \global\let\@date\@empty
21531 \global\let\@title\@empty
21532 \global\let\title\relax
21533 \global\let\author\relax
21534 \global\let\date\relax
21535 \global\let\and\relax
21536 }
21537 \else
21538 \renewcommand\maketitle{\par
21539   \begingroup
21540     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21541     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21542     \long\def\@makefntext##1{\parindent 1em\noindent
21543       \hb@xt@1.8em{%
21544         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
21545     \if@twocolumn
21546       \ifnum \col@number=\@one
21547         \@maketitle
21548       \else
21549         \twocolumn[\@maketitle]%
21550       \fi
21551     \else
21552       \newpage
21553       \global\@topnum\z@   % Prevents figures from going at top of page.
21554       \@maketitle
21555     \fi
21556     \thispagestyle{plain}\@thanks
21557   \endgroup
21558   \setcounter{footnote}{0}%
21559   \global\let\thanks\relax
21560   \global\let\LTRthanks\relax
21561   \global\let\RTLthanks\relax
21562   \global\let\maketitle\relax

```



```

21563 \global\let\@maketitle\relax
21564 \global\let\@thanks\@empty
21565 \global\let\@author\@empty
21566 \global\let\@date\@empty
21567 \global\let\@title\@empty
21568 \global\let\title\relax
21569 \global\let\author\relax
21570 \global\let\date\relax
21571 \global\let\and\relax
21572 }
21573 \def\@maketitle{%
21574 \newpage
21575 \null
21576 \vskip 2em%
21577 \begin{center}%
21578 \let \footnote \thanks
21579 \let \LTRfootnote \LTRthanks
21580 \let \RTLfootnote \RTLthanks
21581 {\LARGE \@title \par}%
21582 \vskip 1.5em%
21583 {\large
21584 \lineskip .5em%
21585 \begin{tabular}[t]{c}%
21586 \@author
21587 \end{tabular}\par}%
21588 \vskip 1em%
21589 {\large \@date}%
21590 \end{center}%
21591 \par
21592 \vskip 1.5em}
21593 \fi
21594 \renewcommand*\l@part[2]{%
21595 \ifnum \c@tocdepth >-2\relax
21596 \addpenalty{-\@highpenalty}%
21597 \addvspace{2.25em \@plus\p@}%
21598 \setlength\@tempdima{3em}%
21599 \begingroup
21600 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21601 \parfillskip -\@pnumwidth
21602 {\leavevmode
21603 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21604 \nobreak
21605 \global\@nobreaktrue
21606 \everypar{\global\@nobreakfalse\everypar{}}%
21607 \endgroup
21608 \fi}
21609 \renewcommand*\l@chapter[2]{%
21610 \ifnum \c@tocdepth >\m@ne
21611 \addpenalty{-\@highpenalty}%
21612 \vskip 1.0em \@plus\p@
21613 \setlength\@tempdima{1.5em}%
21614 \begingroup
21615 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21616 \parfillskip -\@pnumwidth

```



```

21617     \leavevmode \bfseries
21618     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21619     \hskip -\if@RTL\rightskip\else\leftskip\fi
21620     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21621     \penalty\@highpenalty
21622   \endgroup
21623 \fi}
21624 \renewcommand\left@footnoterule{%
21625   \kern-3\p@
21626   \hrule\@width.4\columnwidth
21627   \kern2.6\p@}
21628 \renewcommand\right@footnoterule{%
21629   \kern-3\p@
21630   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21631   \kern2.6\p@}
21632 \renewcommand\theequation
21633   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21634 \renewcommand \thefigure
21635   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21636 \renewcommand \thetable
21637   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21638 \renewcommand \thechapter {\@arabic\c@chapter}
21639 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
21640 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21641 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
21642 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21643 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21644 \def\@makechapterhead#1{%
21645   \vspace*{50\p@}%
21646   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
21647     \ifnum \c@secnumdepth >\m@ne
21648       \huge\bfseries \@chapapp\space \thechapter
21649       \par\nobreak
21650       \vskip 20\p@
21651     \fi
21652     \interlinepenalty\@M
21653     \Huge \bfseries #1\par\nobreak
21654     \vskip 40\p@
21655   }}
21656 \def\@makeschapterhead#1{%
21657   \vspace*{50\p@}%
21658   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
21659     \normalfont
21660     \interlinepenalty\@M
21661     \Huge \bfseries #1\par\nobreak
21662     \vskip 40\p@
21663   }}
21664 \renewenvironment{thebibliography}[1]
21665   {\chapter*{\bibname}%
21666     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21667     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21668     \bidi@thebibliography@font@hook%
21669     \list{\@biblabel{\@arabic\c@enumiv}}%
21670     {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

21671         \leftmargin\labelwidth
21672         \advance\leftmargin\labelsep
21673         \@openbib@code
21674         \usecounter{enumiv}%
21675         \let\p@enumiv\@empty
21676         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21677     \sloppy
21678     \clubpenalty4000
21679     \@clubpenalty \clubpenalty
21680     \widowpenalty4000%
21681     \sfcode`. \@m}
21682     {\def\@noitemerr
21683      {\@latex@warning{Empty `thebibliography' environment}}}%
21684     \endlist}

```

140 File rotating-xetex-bidi.def

```

21685 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
21686 \def\end@rotfloat{%
21687   \end{minipage}\end{lrbox}%
21688   \stepcounter{r@tfl@t}%
21689   \rot@label{RF\ther@tfl@t}%
21690   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21691   \edef\@tempa{Adding sideways \@c@type\space on page \R@@page\space}
21692   \rot@mess@toks\expandafter{\@tempa}
21693   \wd\rot@float@box\z@
21694   \ht\rot@float@box\z@
21695   \dp\rot@float@box\z@
21696   \vboxL to \textheight{%
21697     \setkeys{Grot}{units=360}%
21698     \if@rot@twoside
21699     \else
21700       \let\R@@page\rot@LR
21701     \fi
21702     \ifthenelse{\isodd{\R@@page}}{%
21703       \if@rot@twoside
21704         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21705       \fi
21706       \vfill
21707       \@@line{%
21708         \hskip\rotFPtop
21709         \rotatebox{90}{\box\rot@float@box}%
21710         \hskip\rotFPbot
21711       }%
21712     }{%
21713       \if@rot@twoside
21714         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21715       \fi
21716       \@@line{%
21717         \hskip\rotFPbot
21718         \rotatebox{-90}{\box\rot@float@box}%
21719         \hskip\rotFPtop
21720       }%
21721     \vfill

```



```

21722 }%
21723 \rot@message{\the\rot@mess@toks}
21724 }%
21725 \end@float
21726 }
21727 \let\endsidewaysfigure\end@rotfloat
21728 \let\endsidewaystable\end@rotfloat
21729 \def\end@rotdblfloat{%
21730 \end{minipage}\end{lrbox}%
21731 \stepcounter{r@tfl@t}%
21732 \rot@label{RF\ther@tfl@t}%
21733 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21734 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21735 \rot@mess@toks\expandafter{\@tempa}
21736 \@tempdima\ht\rot@float@box
21737 \advance\@tempdima by \dp\rot@float@box
21738 \wd\rot@float@box\z@
21739 \ht\rot@float@box\z@
21740 \dp\rot@float@box\z@
21741 \vboxL to \textheight{%
21742 \setkeys{Grot}{units=360}%
21743 \if@rot@twoside
21744 \else
21745 \let\R@@page\rot@LR
21746 \fi
21747 \ifthenelse{\isodd{\R@@page}}{%
21748 \ifrot@messages
21749 \if@rot@twoside
21750 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
21751 \fi
21752 \fi
21753 \vfill
21754 \@@line{%
21755 \hskip\rotFPtop
21756 \rotatebox{90}{\box\rot@float@box}%
21757 \hskip\rotFPbot
21758 }%
21759 }{%
21760 \ifrot@messages
21761 \if@rot@twoside
21762 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
21763 \fi
21764 \fi%
21765 \@@line{%
21766 \hskip\rotFPbot
21767 \rotatebox{-90}{\box\rot@float@box}%
21768 \hskip\rotFPtop
21769 }%
21770 \vfill
21771 }%
21772 \rot@message{\the\rot@mess@toks}%
21773 }%
21774 \end@dblfloat
21775 }

```




```

21776 \def\turn#1{%
21777   \Grot@setangle{#1}%
21778   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21779 \def\endturn{%
21780   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21781   \unskip\color@endbox
21782   \Grot@x\z@
21783   \Grot@y\z@
21784   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21785 }
21786 \def\rotate#1{%
21787   \Grot@setangle{#1}%
21788   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21789 \def\endrotate{%
21790   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21791   \unskip\color@endbox
21792   \Grot@x\z@
21793   \Grot@y\z@
21794   \wd0\z@\dp0\z@\ht0\z@
21795   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21796 }
21797 \def\turnbox#1#2{%
21798   \Grot@setangle{#1}%
21799   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
21800   \Grot@x\z@\Grot@y\z@
21801   \wd0\z@\dp0\z@\ht0\z@
21802   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21803 }
21804 \def\sideways{%
21805   \Grot@setangle{90}%
21806   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21807 \def\endsideways{%
21808   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21809   \unskip\color@endbox
21810   \Grot@x\z@
21811   \Grot@y\z@
21812   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21813 }

```

141 File `scrartcl-xetex-bidi.def`

```

21814 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
21815 \newcommand{\scr@saved@LTRfootnotetext}{}
21816 \newcommand{\scr@saved@RTLfootnotetext}{}
21817 \let\scr@saved@footnotetext\@footnotetext
21818 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21819 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21820 \renewcommand{\@footnotetext}[1]{%
21821   \scr@saved@footnotetext{#1}%
21822   \csname FN@mf@prepare\endcsname
21823 }
21824 \renewcommand{\@LTRfootnotetext}[1]{%
21825   \scr@saved@LTRfootnotetext{#1}%
21826   \csname FN@mf@prepare\endcsname

```



```

21827 }
21828 \renewcommand{\@RTLfootnotetext}[1]{%
21829   \scr@saved@RTLfootnotetext{#1}%
21830   \csname FN@mfb@prepare\endcsname
21831 }
21832 \renewcommand\deffootnote[4] []{%
21833   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
21834   \long\def\@makefntext##1{%
21835     \ExecuteDoHook{footnote/text/begin}%
21836     \raggedfootnote
21837     \if@RTL
21838       \rightskip
21839     \else
21840       \leftskip
21841     \fi
21842     #2
21843     \l@addto@macro\@trivlist{%
21844       \ifnum\@listdepth=\@ne
21845         \if@RTL
21846           \advance\rightmargin #2\relax
21847         \else
21848           \advance\leftmargin #2\relax
21849         \fi
21850       \fi
21851     }%
21852     \parindent #3\noindent
21853     \IfArgIsEmpty{#1}{-}{%
21854       \hskip \dimexpr #1-#2\relax
21855     }%
21856     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21857     \ExecuteDoHook{footnote/text/end}%
21858   }%
21859 \else
21860   \ClassInfo{\KOMAClassName}{%
21861     Using old \string\@makefntext\space due to compatibility
21862     level\MessageBreak
21863     less than 3.22}%
21864   \long\def\@makefntext##1{%
21865     \setlength{\@tempdimc}{#3}%
21866     \def\@tempa{#1}\ifx\@tempa\@empty
21867       \@setpar{\@@par
21868         \@tempdima = \hspace
21869         \addtolength{\@tempdima}{-#2}%
21870       \if@RTL
21871         \parshape \@ne \z@ \@tempdima
21872       \else
21873         \parshape \@ne #2 \@tempdima
21874       \fi}%
21875     \else
21876       \addtolength{\@tempdimc}{#2}%
21877       \addtolength{\@tempdimc}{-#1}%
21878       \@setpar{\@@par
21879         \@tempdima = \hspace
21880         \addtolength{\@tempdima}{-#1}%

```



```

21881         \@tempdimb = \hspace
21882         \addtolength{\@tempdimb}{-#2}%
21883         \if@RTL
21884             \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
21885         \else
21886             \parshape \tw@ #1 \@tempdima #2 \@tempdimb
21887         \fi
21888     }%
21889 \fi
21890 \par
21891 \parindent\@tempdimc\noindent
21892 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21893 }%
21894 \fi
21895 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
21896 }
21897 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21898 \renewcommand*\left@footnoterule{%
21899 \normalsize\ftn@rule@test@values
21900 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21901 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21902 {\usekomafont{footnoterule}{%
21903 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21904 \kern 2.6\p@}
21905 \renewcommand*\right@footnoterule{%
21906 \normalsize\ftn@rule@test@values
21907 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21908 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21909 {\usekomafont{footnoterule}{%
21910 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
21911 \kern 2.6\p@}
21912 \renewcommand*\maketitle[1][1]{%
21913 \expandafter\ifnum \c@name scr@v3.12\endcsname>\scr@compatibility\relax
21914 \else
21915 \def\and{%
21916 \end{tabular}%
21917 \hskip 1em \@plus.17fil%
21918 \begin{tabular}[t]{c}%
21919 }%
21920 \fi
21921 \if@titlepage
21922 \begin{titlepage}
21923 \setcounter{page}{%
21924 #1%
21925 }%
21926 \if@titlepageiscoverpage
21927 \edef\t@titlepage@restore{%
21928 \noexpand\endgroup
21929 \noexpand\global\noexpand\@colht\the\@colht
21930 \noexpand\global\noexpand\@colroom\the\@colroom
21931 \noexpand\global\vs@the\the\vs@the
21932 \noexpand\global\noexpand\@titlepageiscoverpagefalse
21933 \noexpand\let\noexpand\t@titlepage@restore\noexpand\relax
21934 }%

```



```

21935     \begingroup
21936     \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21937     \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21938     \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21939     \textwidth=\dimexpr
21940     \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21941     \textheight=\dimexpr
21942     \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21943     \headheight=0pt
21944     \headsep=0pt
21945     \footskip=\baselineskip
21946     \@colht=\textheight
21947     \@colroom=\textheight
21948     \vsize=\textheight
21949     \columnwidth=\textwidth
21950     \hsize=\columnwidth
21951     \linewidth=\hsize
21952   \else
21953     \let\titlepage@restore\relax
21954   \fi
21955   \let\footnotesize\small
21956   \let\right@footnoterule\relax
21957   \let\left@footnoterule\relax
21958   \let\textwidth@footnoterule\relax
21959   \let\footnote\thanks
21960   \let\LTRfootnote\LTRthanks
21961   \let\RTLfootnote\RTLthanks
21962   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21963   \let\@oldmakefnmark\@makefnmark
21964   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21965   \ifx\@extratitle\@empty
21966     \ifx\@frontispiece\@empty
21967     \else
21968       \if@twoside\mbox{}\next@tpage\fi
21969       \noindent\@frontispiece\next@tdpage
21970     \fi
21971   \else
21972     \noindent\@extratitle
21973     \ifx\@frontispiece\@empty
21974     \else
21975       \next@tpage
21976       \noindent\@frontispiece
21977     \fi
21978   \next@tdpage
21979   \fi
21980   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
21981   \ifx\@titlehead\@empty \else
21982     \begin{minipage}[t]{\textwidth}%
21983       \usekomafont{titlehead}{\@titlehead\par}%
21984     \end{minipage}\par
21985   \fi
21986   \null\vfill
21987   \begin{center}
21988     \ifx\@subject\@empty \else

```



```

21989         {\usekomafont{subject}{\@subject\par}}%
21990         \vskip 3em
21991     \fi
21992     {\usekomafont{title}{\huge \@title\par}}%
21993     \vskip 1em
21994     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21995     \vskip 2em
21996     {%
21997         \usekomafont{author}{%
21998             \lineskip 0.75em
21999             \begin{tabular}[t]{c}
22000                 \@author
22001             \end{tabular}\par
22002         }%
22003     }%
22004     \vskip 1.5em
22005     {\usekomafont{date}{\@date \par}}%
22006     \vskip \z@ \@plus3fill
22007     {\usekomafont{publishers}{\@publishers \par}}%
22008     \vskip 3em
22009     \end{center}\par
22010     \@thanks\global\let\@thanks\@empty
22011     \vfill\null
22012     \if@twoside
22013         \@tempwatrue
22014         \expandafter\ifnum \@nameuse{scr@v03.12}>\scr@compatibility\relax
22015         \else
22016             \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
22017                 \@tempwafalse
22018             \fi\fi
22019         \fi
22020         \if@tempswa
22021             \next@tpage
22022             \begin{minipage}[t]{\textwidth}
22023                 \@uppertitleback
22024             \end{minipage}\par
22025             \vfill
22026             \begin{minipage}[b]{\textwidth}
22027                 \@lowertitleback
22028             \end{minipage}\par
22029             \@thanks\global\let\@thanks\@empty
22030         \fi
22031     \else
22032         \ifx\@uppertitleback\@empty\else
22033             \ClassWarning{\KOMAClassName}{%
22034                 non empty \string\uppertitleback\space ignored
22035                 by \string\maketitle\MessageBreak
22036                 in `twoside=false' mode%
22037             }%
22038         \fi
22039         \ifx\@lowertitleback\@empty\else
22040             \ClassWarning{\KOMAClassName}{%
22041                 non empty \string\lowertitleback\space ignored
22042                 by \string\maketitle\MessageBreak

```



```

22043         in `twoside=false' mode%
22044     }%
22045     \fi
22046 \fi
22047 \ifx\@dedication\@empty
22048 \else
22049     \next@tdpage\null\vfill
22050     {\centering\usekomafont{dedication}{\@dedication \par}}%
22051     \vskip \z@ \@plus3fill
22052     \@thanks\global\let\@thanks\@empty
22053     \cleardoubleemptypage
22054 \fi
22055 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
22056 \end{titlepage}
22057 \else
22058 \par
22059 \@tempcnta=%
22060 #1%
22061 \relax\ifnum\@tempcnta=1\else
22062 \ClassWarning{\KOMAClassName}{%
22063     Optional argument of \string\maketitle\space ignored\MessageBreak
22064     in `titlepage=false' mode%
22065 }%
22066 \fi
22067 \ifx\@uppertitleback\@empty\else
22068 \ClassWarning{\KOMAClassName}{%
22069     non empty \string\uppertitleback\space ignored
22070     by \string\maketitle\MessageBreak
22071     in `titlepage=false' mode%
22072 }%
22073 \fi
22074 \ifx\@lowertitleback\@empty\else
22075 \ClassWarning{\KOMAClassName}{%
22076     non empty \string\lowertitleback\space ignored
22077     by \string\maketitle\MessageBreak
22078     in `titlepage=false' mode%
22079 }%
22080 \fi
22081 \begingroup
22082 \let\titlepage@restore\relax
22083 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22084 \let\@oldmakefnmark\@makefnmark
22085 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
22086 \next@tdpage
22087 \if@twocolumn
22088     \ifnum \col@number=\@ne
22089         \ifx\@extratitle\@empty
22090             \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22091         \else
22092             \@makeextratitle
22093         \fi
22094         \ifx\@frontispiece\@empty
22095             \ifx\@extratitle\@empty\else\next@tdpage\fi
22096     \else

```



```

22097         \next@tpage
22098         \@makefrontispiece
22099         \next@tdpage
22100     \fi
22101     \@maketitle
22102 \else
22103     \ifx\@extratitle\@empty
22104     \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22105     \else
22106     \twocolumn[\@makeextratitle]%
22107     \fi
22108     \ifx\@frontispiece\@empty
22109     \ifx\@extratitle\@empty\else\next@tdpage\fi
22110     \else
22111     \next@tpage
22112     \twocolumn[\@makefrontispiece]%
22113     \next@tdpage
22114     \fi
22115     \twocolumn[\@maketitle]%
22116 \fi
22117 \else
22118     \ifx\@extratitle\@empty
22119     \ifx\@frontispiece\@empty\else \mbox{}\fi
22120     \else
22121     \@makeextratitle
22122     \fi
22123     \ifx\@frontispiece\@empty
22124     \ifx\@extratitle\@empty\else\next@tdpage\fi
22125     \else
22126     \next@tpage
22127     \@makefrontispiece
22128     \next@tdpage
22129     \fi
22130     \@maketitle
22131 \fi
22132 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22133 \@thanks\global\let\@thanks\@empty
22134 \endgroup
22135 \fi
22136 \setcounter{footnote}{0}%
22137 \expandafter\ifnum \cscname scr@v@3.12\endcscname>\scr@compatibility\relax
22138 \let\thanks\relax
22139 \let\LTRthanks\relax
22140 \let\RTLthanks\relax
22141 \let\maketitle\relax
22142 \let\@maketitle\relax
22143 \global\let\@thanks\@empty
22144 \global\let\@author\@empty
22145 \global\let\@date\@empty
22146 \global\let\@title\@empty
22147 \global\let\@subtitle\@empty
22148 \global\let\@extratitle\@empty
22149 \global\let\@frontispiece\@empty
22150 \global\let\@titlehead\@empty

```



```

22151 \global\let\@subject\@empty
22152 \global\let\@publishers\@empty
22153 \global\let\@uppertitleback\@empty
22154 \global\let\@lowertitleback\@empty
22155 \global\let\@dedication\@empty
22156 \global\let\author\relax
22157 \global\let\title\relax
22158 \global\let\extratitle\relax
22159 \global\let\titlehead\relax
22160 \global\let\subject\relax
22161 \global\let\publishers\relax
22162 \global\let\uppertitleback\relax
22163 \global\let\lowertitleback\relax
22164 \global\let\dedication\relax
22165 \global\let\date\relax
22166 \fi
22167 \global\let\and\relax
22168 }%
22169 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22170 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
22171 \renewcommand*{\autodot}{\if@altsecnumformat\@SepMark\fi}
22172 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
22173 \renewcommand*{\thesubsubsection}{%
22174 \thesubsection\@SepMark\@arabic\c@subsubsection
22175 }
22176 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22177 \renewcommand*{\thesubparagraph}{%
22178 \theparagraph\@SepMark\@arabic\c@subparagraph
22179 }
22180 \renewenvironment{thebibliography}[1]{%
22181 \if@bib@break@
22182 \bib@beginhook
22183 \else
22184 \bib@heading
22185 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22186 \noindent\bibpreamble\par\nobreak
22187 \fi\fi
22188 \bib@beginhook
22189 \bib@before@hook
22190 \fi
22191 \renewcommand{\BreakBibliography}[1]{%
22192 \@bib@break
22193 \end{thebibliography}%
22194 \begingroup ##1\endgroup
22195 \begin{thebibliography}{#1}
22196 }%
22197 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
22198 \bidi@thebibliography@font@hook%
22199 \list{%
22200 \@biblabel{\@arabic\c@enumiv}%
22201 }{%
22202 \settowidth\labelwidth{\@biblabel{#1}}%
22203 \leftmargin\labelwidth
22204 \advance\leftmargin\labelsep

```




```

22205 \@openbib@code
22206 \if@bib@break@
22207 \edef\@tempa{%
22208 \noexpand\usecounter{enumiv}%
22209 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22210 }\@tempa
22211 \no@bib@break
22212 \else
22213 \usecounter{enumiv}%
22214 \fi
22215 \let\p@enumiv\@empty
22216 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22217 }%
22218 \sloppy\clubpenalty4000 \widowpenalty4000
22219 \sfcode`.=\@m
22220 }{%
22221 \if@bib@break@
22222 \def\@noitemerr{%
22223 \@latex@warning{%
22224 \string\BreakBibliography\space at begin of `thebibliography'
22225 environment\MessageBreak
22226 or following \string\BreakBibliography}%
22227 }%
22228 \else
22229 \def\@noitemerr{%
22230 \@latex@warning{%
22231 Empty `thebibliography' environment or
22232 \string\BreakBibliography\MessageBreak
22233 before end of `thebibliography' environment}%
22234 }%
22235 \fi
22236 \endlist
22237 \if@bib@break@
22238 \else
22239 \bib@after@hook
22240 \let\bib@before@hook\@empty
22241 \let\bib@after@hook\@empty
22242 \fi
22243 \bib@endhook
22244 }
22245 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
22246 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
22247 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
22248 \renewcommand\marginline[1]{%
22249 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
22250 }
22251 \renewcommand{\@makecaption}[3]{%
22252 \cap@margin
22253 \begingroup
22254 \ifonelinecaptions
22255 \def\stepcounter##1{\advance\value{##1}\@ne}%
22256 \let\refstepcounter\stepcounter
22257 \let\label\@gobble
22258 \let\@footnotetext=\@gobble

```



```

22259 \let\@LTRfootnotetext=\@gobble
22260 \let\@RTLfootnotetext=\@gobble
22261 \let\hypertarget\@gobbletwo
22262 \edef\@xnewline{%
22263   \unexpanded{\ClassInfo{\KOMAClassName}{%
22264     Workaround for not recommended usage of \string\ or\MessageBreak
22265     \string\newline in caption text
22266     }%
22267     \hspace*{\linewidth}\hspace{1sp}%
22268     }%
22269   \unexpanded\expandafter{\@xnewline}%
22270 }%
22271 \edef\@xcentercr{%
22272   \unexpanded{\ClassInfo{\KOMAClassName}{%
22273     Workaround for not recommended usage of \string\ or\MessageBreak
22274     \string\newline in caption text
22275     }%
22276     \hspace*{\linewidth}\hspace{1sp}%
22277     }%
22278   \unexpanded\expandafter{\@xcentercr}%
22279 }%
22280 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
22281 \ifdim\@tempdima>\cap@width
22282   \aftergroup\scr@makemultilinecaption
22283 \else
22284   \aftergroup\scr@makesinglelinecaption
22285 \fi
22286 \else
22287   \aftergroup\scr@makemultilinecaption
22288 \fi
22289 \endgroup
22290 {#1}{#2}{#3}%
22291 }
22292 \renewcommand{\scr@makesinglelinecaption}[3]{%
22293   {%
22294     \usefontofkomafont{caption}{%
22295       \hb@xt@\hsize{%
22296         \cap@left
22297         \if@RTL
22298           \beginR
22299           \fi
22300         \scr@makesinglelinecaption{#1}{#2}{#3}%
22301         \if@RTL
22302           \endR
22303         \fi
22304         \cap@right
22305       }\par\kern\dp\strutbox%
22306     }%
22307   }\kern-\dp\strutbox
22308 }
22309 \renewcommand{\@makecaption}[2]{%
22310   \if@captionabove
22311     \vskip\belowcaptionskip
22312   \else

```



```

22313     \vskip\abovecaptionskip
22314   \fi
22315   \@makecaption\@firstofone{#1}{#2}%
22316   \if@captionabove
22317     \vskip\abovecaptionskip
22318   \else
22319     \vskip\belowcaptionskip
22320   \fi
22321 }
22322
22323 \renewcommand{\scr@makesinglelinecaption}[3]{%
22324   {\usekomafont{caption}{\strut\ignorespaces
22325     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22326     \ignorespaces #3\unskip}}%
22327 }
22328
22329 \renewcommand{\scr@makemultilinecaption}[3]{%
22330   {%
22331     \usefontofkomafont{caption}{%
22332       \hb@xt@\hsize{%
22333         \cap@left
22334         \vbox{\hsize\cap@width\linewidth\hsize
22335           \scr@ifundefinedorrelax{@capttype}{%
22336             \ClassWarning{\KOMAClassName}{%
22337               `string\caption' outside float.\MessageBreak
22338               Seems you are using `string\caption' outside a
22339               float.\MessageBreak
22340               Maybe you are using a package that uses
22341               `string\@makecaption'\MessageBreak
22342               without setting `string\@capttype' before.\MessageBreak
22343               Because I cannot detect the caption type, I'm using\MessageBreak
22344               the empty one.%
22345             }%
22346             \let\@capttype\@empty
22347           }{}%
22348           \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
22349             \@nameuse{ragged\@capttype caption}%
22350           }%
22351         \ifdofullc@
22352           \@hangfrom{%
22353             \strut
22354             \scr@smashdp{%
22355               #1{%
22356                 \usekomafont{caption}{%
22357                   \usekomafont{captionlabel}{#2\captionformat}%
22358                 }%
22359               }%
22360             }%
22361           }%
22362           {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22363         \else
22364           \ifdim\cap@indent<\z@
22365             \strut
22366             #1{%

```



```

22367         {\usekomafont{caption}{%
22368             \usekomafont{captionlabel}{#2\captionformat}%
22369         }%
22370     }\par}%
22371     \noindent{\usekomafont{caption}{%
22372         \hspace*{-\cap@indent}#3\scr@endstrut
22373     }}\par}%
22374 \else
22375     \if@capbreak
22376         \strut
22377         #1{%
22378             {\usekomafont{caption}{%
22379                 \usekomafont{captionlabel}{#2\captionformat}%
22380             }%
22381         }\par}%
22382     \noindent\@hangfrom{\hspace*{\cap@indent}}%
22383     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22384 \else
22385     \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
22386     {%
22387         \hspace{-\cap@indent}%
22388         \scr@smashdp{%
22389             #1{\usekomafont{caption}{%
22390                 \usekomafont{captionlabel}{#2\captionformat}%
22391             }%
22392         }%
22393     }%
22394     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22395 }%
22396 \fi
22397 \fi
22398 \fi
22399 }%
22400 \cap@right
22401 }\par\kern\dp\strutbox
22402 }%
22403 }\kern-\dp\strutbox
22404 }
22405
22406 \bidi@AfterFile{longtable-xetex-bidi.def}{%
22407     \if@komalongtable
22408         \renewcommand{\LT@makecaption}[3]{%
22409             \noalign{%
22410                 \if@captionabove
22411                     \vskip\belowcaptionskip
22412                 \else
22413                     \vskip\abovecaptionskip
22414                 \fi
22415             }%
22416             \LT@mc@l\LT@cols c{%
22417                 \hbox to\z@{\hss\parbox[t]\linewidth{%
22418                     \def\@c@p@t@y@e{table}%
22419                     \@makecaption{#1}{#2}{#3}%
22420                 \endgraf

```



```

22421         \if@captionabove
22422             \vskip\abovecaptionskip
22423         \else
22424             \vskip\belowcaptionskip
22425         \fi
22426     }%
22427     \hss
22428 }%
22429 }%
22430 }%
22431 \renewcommand*{\scr@LT@array}{}%
22432 \let\scr@LT@array=\LT@array
22433 \renewcommand*{\LT@array}{%
22434     \let\scr@caption=\LT@caption
22435     \def\captionabove{\noalign{\global\@captionabovetrue}%
22436         \scr@caption}%
22437     \def\captionbelow{\noalign{\global\@captionabovetrue}%
22438         \scr@caption}%
22439     \if@tablecaptionabove
22440         \let\LT@caption=\captionabove
22441     \else
22442         \let\LT@caption=\captionbelow
22443     \fi
22444     \scr@LT@array
22445 }%
22446 \ClassInfo{\KOMAClassName}{%
22447     longtable captions redefined%
22448 }%
22449 \fi
22450 }
22451
22452 \CloneTOCEntryStyle{tocline}{part}
22453 \TOCEntryStyleStartInitCode{part}{%
22454     \expandafter\renewcommand%
22455     \csname scr@tso@#1@linefill\endcsname{\hfill}%
22456     \expandafter\renewcommand%
22457     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22458     \expandafter\renewcommand%
22459     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22460         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}}%
22461     \expandafter\renewcommand\expandafter*%
22462     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
22463 }
22464
22465 \CloneTOCEntryStyle{tocline}{section}
22466 \TOCEntryStyleStartInitCode{section}{%
22467     \expandafter\renewcommand%
22468     \csname scr@tso@#1@linefill\endcsname{%
22469         \if@sectionentrywithdots
22470             {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
22471         \else
22472             \hfill
22473         \fi
22474     }%

```



```

22475 \expandafter\renewcommand%
22476 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
22477 \expandafter\renewcommand%
22478 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont-
22479 \expandafter\renewcommand\expandafter*%
22480 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
22481 }
22482
22483 \CloneTOCEntryStyle{tocline}{subsection}
22484 \TOCEntryStyleStartInitCode{subsection}{%
22485 \expandafter\renewcommand%
22486 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22487 \expandafter\renewcommand%
22488 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22489 {\normalfont\normalcolor ##1}}%
22490 }
22491
22492 \CloneTOCEntryStyle{subsection}{default}
22493
22494 \DeclareSectionCommand[%
22495 style=section,%
22496 level=1,%
22497 indent=\z@,%
22498 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
22499 afterskip=2.3ex \@plus .2ex,%
22500 tocstyle=section,%
22501 tocindent=0pt,%
22502 tocnumwidth=1.5em%
22503 ]{section}
22504 \DeclareSectionCommand[%
22505 style=part,%
22506 level=\z@,%
22507 tocstyle=part,%
22508 toclevel=\m@ne,%
22509 tocindent=\z@,%
22510 tocnumwidth=2em%
22511 ]{part}
22512 \DeclareSectionCommand[%
22513 style=section,%
22514 level=2,%
22515 indent=\z@,%
22516 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
22517 afterskip=1.5ex \@plus .2ex,%
22518 tocstyle=subsection,%
22519 tocindent=1.5em,%
22520 tocnumwidth=2.3em%
22521 ]{subsection}
22522 \DeclareSectionCommand[%
22523 style=section,%
22524 level=3,%
22525 indent=\z@,%
22526 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
22527 afterskip=1.5ex \@plus .2ex,%
22528 tocstyle=subsection,%

```



```

22529 tocindent=3.8em,%
22530 tocnumwidth=3.2em%
22531 ]{subsubsection}
22532 \DeclareSectionCommand[%
22533 style=section,%
22534 level=4,%
22535 indent=\z@,%
22536 beforekip=3.25ex \@plus1ex \@minus.2ex,%
22537 afterskip=-1em,%
22538 tocstyle=subsection,%
22539 tocindentfollows=subsubsection,%
22540 tocindent=7.0em,%
22541 tocnumwidth=4.1em%
22542 ]{paragraph}
22543 \DeclareSectionCommand[%
22544 style=section,%
22545 level=5,%
22546 indent=\scr@parindent,%
22547 beforekip=3.25ex \@plus1ex \@minus.2ex,%
22548 afterskip=-1em,%
22549 tocstyle=subsection,%
22550 tocindent=10em,%
22551 tocnumwidth=5em%
22552 ]{subparagraph}

```

142 File `scrbook-xetex-bidi.def`

```

22553 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
22554 \newcommand{\scr@saved@LTRfootnotetext}{}
22555 \newcommand{\scr@saved@RTLfootnotetext}{}
22556 \let\scr@saved@footnotetext\@footnotetext
22557 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
22558 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
22559 \renewcommand{\@footnotetext}[1]{%
22560 \scr@saved@footnotetext{#1}%
22561 \csname FN@mfb@prepare\endcsname
22562 }
22563 \renewcommand{\@LTRfootnotetext}[1]{%
22564 \scr@saved@LTRfootnotetext{#1}%
22565 \csname FN@mfb@prepare\endcsname
22566 }
22567 \renewcommand{\@RTLfootnotetext}[1]{%
22568 \scr@saved@RTLfootnotetext{#1}%
22569 \csname FN@mfb@prepare\endcsname
22570 }
22571 \renewcommand\deffootnote[4][]{%
22572 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
22573 \long\def\@makefntext##1{%
22574 \ExecuteDoHook{footnote/text/begin}%
22575 \raggedfootnote
22576 \if@RTL
22577 \rightskip
22578 \else
22579 \leftskip

```



```

22580 \fi
22581 #2
22582 \l@addto@macro\@trivlist{%
22583 \ifnum\@listdepth=\@ne\advance
22584 \if@RTL
22585 \rightmargin #2\relax
22586 \else
22587 \leftmargin #2\relax
22588 \fi
22589 \fi
22590 }%
22591 \parindent #3\noindent
22592 \IfArgIsEmpty{#1}{-}{%
22593 \hskip \dimexpr #1-#2\relax
22594 }%
22595 \ftn@font\hbox to \z@\hss\@makefnmark}##1%
22596 \ExecuteDoHook{footnote/text/end}%
22597 }%
22598 \else
22599 \ClassInfo{\KOMAClassName}{%
22600 Using old \string\@makefnmark\space due to compatibility
22601 level\MessageBreak
22602 less than 3.22}%
22603 \long\def\@makefnmark##1{%
22604 \setlength{\@tempdimc}{#3}%
22605 \def\@tempa{#1}\ifx\@tempa\@empty
22606 \setpar{\@@par
22607 \@tempdima = \hspace
22608 \addtolength{\@tempdima}{-#2}%
22609 \if@RTL
22610 \parshape \@ne \z@ \@tempdima
22611 \else
22612 \parshape \@ne #2 \@tempdima
22613 \fi
22614 }%
22615 \else
22616 \addtolength{\@tempdimc}{#2}%
22617 \addtolength{\@tempdimc}{-#1}%
22618 \setpar{\@@par
22619 \@tempdima = \hspace
22620 \addtolength{\@tempdima}{-#1}%
22621 \@tempdimb = \hspace
22622 \addtolength{\@tempdimb}{-#2}%
22623 \if@RTL
22624 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
22625 \else
22626 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
22627 \fi
22628 }%
22629 \fi
22630 \par
22631 \parindent\@tempdimc\noindent
22632 \ftn@font\hbox to \z@\hss\@makefnmark}##1%
22633 }%

```




```

22634 \fi
22635 \def\@@makefnmark{\hbox{\ftnm@font{#4}}}%
22636 }
22637 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
22638 \renewcommand*\left@footnoterule{%
22639 \normalsize\ftn@rule@test@values
22640 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22641 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22642 {\usekomafont{footnoterule}{%
22643 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
22644 \kern 2.6\p@}
22645 \renewcommand*\right@footnoterule{%
22646 \normalsize\ftn@rule@test@values
22647 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22648 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22649 {\usekomafont{footnoterule}{%
22650 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
22651 \kern 2.6\p@}
22652 \renewcommand*\maketitle[1][1]{%
22653 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
22654 \else
22655 \def\and{%
22656 \end{tabular}%
22657 \hskip 1em \@plus.17fil%
22658 \begin{tabular}[t]{c}%
22659 }%
22660 \fi
22661 \if@titlepage
22662 \begin{titlepage}
22663 \setcounter{page}{%
22664 #1%
22665 }%
22666 \if@titlepageiscoverpage
22667 \edef\titlepage@restore{%
22668 \noexpand\endgroup
22669 \noexpand\global\noexpand\@colht\the\@colht
22670 \noexpand\global\noexpand\@colroom\the\@colroom
22671 \noexpand\global\vsizethe\vsizethe
22672 \noexpand\global\noexpand\@titlepageiscoverpagefalse
22673 \noexpand\let\noexpand\titlepage@restore\noexpand\relax
22674 }%
22675 \begingroup
22676 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
22677 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
22678 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
22679 \textwidth=\dimexpr
22680 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
22681 \textheight=\dimexpr
22682 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
22683 \headheight=0pt
22684 \headsep=0pt
22685 \footskip=\baselineskip
22686 \@colht=\textheight
22687 \@colroom=\textheight

```



```

22688     \vsize=\textheight
22689     \columnwidth=\textwidth
22690     \hsize=\columnwidth
22691     \linewidth=\hsize
22692 \else
22693     \let\titlepage@restore\relax
22694 \fi
22695 \let\footnotesize\small
22696 \let\right@footnoterule\relax
22697 \let\left@footnoterule\relax
22698 \let\textwidth@footnoterule\relax
22699 \let\footnote\thanks
22700 \let\LTRfootnote\LTRthanks
22701 \let\RTLfootnote\RTLthanks
22702 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22703 \let\@oldmakefnmark\@makefnmark
22704 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
22705 \ifx\@extratitle\@empty
22706     \ifx\@frontispiece\@empty
22707     \else
22708         \if@twoside\mbox{}\next@tpage\fi
22709         \noindent\@frontispiece\next@tdpage
22710     \fi
22711 \else
22712     \noindent\@extratitle
22713     \ifx\@frontispiece\@empty
22714     \else
22715         \next@tpage
22716         \noindent\@frontispiece
22717     \fi
22718     \next@tdpage
22719 \fi
22720 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
22721 \ifx\@titlehead\@empty \else
22722     \begin{minipage}[t]{\textwidth}%
22723         \usekomafont{titlehead}{\@titlehead\par}%
22724     \end{minipage}\par
22725 \fi
22726 \null\vfill
22727 \begin{center}
22728     \ifx\@subject\@empty \else
22729         {\usekomafont{subject}{\@subject\par}}%
22730         \vskip 3em
22731     \fi
22732     {\usekomafont{title}{\huge \@title\par}}%
22733     \vskip 1em
22734     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
22735     \vskip 2em
22736     {%
22737         \usekomafont{author}{%
22738             \lineskip 0.75em
22739             \begin{tabular}[t]{c}
22740                 \@author
22741             \end{tabular}\par

```



```

22742     }%
22743   }%
22744   \vskip 1.5em
22745   {\usekomafont{date}{\@date \par}}%
22746   \vskip \z@ \@plus3fill
22747   {\usekomafont{publishers}{\@publishers \par}}%
22748   \vskip 3em
22749   \end{center}\par
22750   \@thanks\global\let\@thanks\@empty
22751   \vfill\null
22752   \if@twoside
22753     \@tempwattrue
22754     \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
22755     \else
22756       \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
22757         \@tempwafalse
22758       \fi\fi
22759     \fi
22760     \if@tempswa
22761       \next@tpage
22762       \begin{minipage}[t]{\textwidth}
22763         \@uppertitleback
22764       \end{minipage}\par
22765       \vfill
22766       \begin{minipage}[b]{\textwidth}
22767         \@lowertitleback
22768       \end{minipage}\par
22769       \@thanks\global\let\@thanks\@empty
22770     \fi
22771   \else
22772     \ifx\@uppertitleback\@empty\else
22773       \ClassWarning{\KOMAClassName}{%
22774         non empty \string\uppertitleback\space ignored
22775         by \string\maketitle\MessageBreak
22776         in `twoside=false' mode%
22777       }%
22778     \fi
22779     \ifx\@lowertitleback\@empty\else
22780       \ClassWarning{\KOMAClassName}{%
22781         non empty \string\lowertitleback\space ignored
22782         by \string\maketitle\MessageBreak
22783         in `twoside=false' mode%
22784       }%
22785     \fi
22786   \fi
22787   \ifx\@dedication\@empty
22788   \else
22789     \next@tdpage\null\vfill
22790     {\centering\usekomafont{dedication}{\@dedication \par}}%
22791     \vskip \z@ \@plus3fill
22792     \@thanks\global\let\@thanks\@empty
22793     \cleardoubleemptypage
22794   \fi
22795   \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi

```



```

22796 \end{titlepage}
22797 \else
22798 \par
22799 \@tempcnta=%
22800 #1%
22801 \relax\ifnum\@tempcnta=1\else
22802 \ClassWarning{\KOMAClassName}{%
22803 Optional argument of \string\maketitle\space ignored\MessageBreak
22804 in `titlepage=false' mode%
22805 }%
22806 \fi
22807 \ifx\@uppertitleback\@empty\else
22808 \ClassWarning{\KOMAClassName}{%
22809 non empty \string\uppertitleback\space ignored
22810 by \string\maketitle\MessageBreak
22811 in `titlepage=false' mode%
22812 }%
22813 \fi
22814 \ifx\@lowertitleback\@empty\else
22815 \ClassWarning{\KOMAClassName}{%
22816 non empty \string\lowertitleback\space ignored
22817 by \string\maketitle\MessageBreak
22818 in `titlepage=false' mode%
22819 }%
22820 \fi
22821 \begingroup
22822 \let\titlepage@restore\relax
22823 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22824 \let\@oldmakefnmark\@makefnmark
22825 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22826 \next@tdpage
22827 \if@twocolumn
22828 \ifnum \col@number=\@ne
22829 \ifx\@extratitle\@empty
22830 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22831 \else
22832 \@makeextratitle
22833 \fi
22834 \ifx\@frontispiece\@empty
22835 \ifx\@extratitle\@empty\else\next@tdpage\fi
22836 \else
22837 \next@tpage
22838 \@makefrontispiece
22839 \next@tdpage
22840 \fi
22841 \@maketitle
22842 \else
22843 \ifx\@extratitle\@empty
22844 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22845 \else
22846 \twocolumn[\@makeextratitle]%
22847 \fi
22848 \ifx\@frontispiece\@empty
22849 \ifx\@extratitle\@empty\else\next@tdpage\fi

```



```

22850         \else
22851             \next@tpage
22852             \twocolumn[\@makefrontispiece]%
22853             \next@tdpage
22854         \fi
22855         \twocolumn[\@maketitle]%
22856     \fi
22857 \else
22858     \ifx\@extratitle\@empty
22859     \ifx\@frontispiece\@empty\else \mbox{}\fi
22860 \else
22861     \@makeextratitle
22862 \fi
22863 \ifx\@frontispiece\@empty
22864     \ifx\@extratitle\@empty\else\next@tdpage\fi
22865 \else
22866     \next@tpage
22867     \@makefrontispiece
22868     \next@tdpage
22869 \fi
22870 \@maketitle
22871 \fi
22872 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22873 \@thanks\global\let\@thanks\@empty
22874 \endgroup
22875 \fi
22876 \setcounter{footnote}{0}%
22877 \expandafter\ifnum \cscname scr@v@3.12\endcscname>\scr@compatibility\relax
22878 \let\thanks\relax
22879 \let\LTRthanks\relax
22880 \let\RTLthanks\relax
22881 \let\maketitle\relax
22882 \let\@maketitle\relax
22883 \global\let\@thanks\@empty
22884 \global\let\@author\@empty
22885 \global\let\@date\@empty
22886 \global\let\@title\@empty
22887 \global\let\@subtitle\@empty
22888 \global\let\@extratitle\@empty
22889 \global\let\@frontispiece\@empty
22890 \global\let\@titlehead\@empty
22891 \global\let\@subject\@empty
22892 \global\let\@publishers\@empty
22893 \global\let\@uppertitleback\@empty
22894 \global\let\@lowertitleback\@empty
22895 \global\let\@dedication\@empty
22896 \global\let\author\relax
22897 \global\let\title\relax
22898 \global\let\extratitle\relax
22899 \global\let\titlehead\relax
22900 \global\let\subject\relax
22901 \global\let\publishers\relax
22902 \global\let\uppertitleback\relax
22903 \global\let\lowertitleback\relax

```



```

22904 \global\let\dedication\relax
22905 \global\let\date\relax
22906 \fi
22907 \global\let\and\relax
22908 }%
22909 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22910 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22911 \renewcommand*\thesection{%
22912 \expandafter\ifnum\scr@v@is>{2.97d}%
22913 \if@mainmatter\thechapter\@SepMark\fi
22914 \else
22915 \thechapter\@SepMark%
22916 \fi
22917 \@arabic\c@section
22918 }
22919 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
22920 \renewcommand*\thesubsubsection{%
22921 \thesubsection\@SepMark\@arabic\c@subsubsection
22922 }
22923 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22924 \renewcommand*\thesubparagraph{%
22925 \theparagraph\@SepMark\@arabic\c@subparagraph
22926 }
22927 \expandafter\ifnum\scr@v@is<{2.97d}%
22928 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
22929 \fi
22930 \expandafter\ifnum\scr@v@is<{2.97d}%
22931 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
22932 \fi
22933 \renewcommand*\theequation{%
22934 \expandafter\ifnum\scr@v@is>{2.97d}%
22935 \if@mainmatter\thechapter\@SepMark\fi
22936 \else
22937 \thechapter\@SepMark%
22938 \fi
22939 \@arabic\c@equation
22940 }
22941 \renewenvironment{thebibliography}[1]{%
22942 \if@bib@break@
22943 \bib@beginhook
22944 \else
22945 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22946 \setchapterpreamble{\bibpreamble}%
22947 \fi\fi
22948 \bib@heading
22949 \bib@beginhook
22950 \bib@before@hook
22951 \fi
22952 \renewcommand{\BreakBibliography}[1]{%
22953 \@bib@break
22954 \end{thebibliography}%
22955 \begingroup ##1\endgroup
22956 \begin{thebibliography}{#1}
22957 }%

```



```

22958 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
22959 \bidi@thebibliography@font@hook%
22960 \list{%
22961   \@biblabel{\@arabic\c@enumiv}%
22962 }{%
22963   \settowidth\labelwidth{\@biblabel{#1}}%
22964   \leftmargin\labelwidth
22965   \advance\leftmargin\labelsep
22966   \@openbib@code
22967   \if@bib@break@
22968     \edef\@tempa{%
22969       \noexpand\usecounter{enumiv}%
22970       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22971     }\@tempa
22972     \no@bib@break
22973   \else
22974     \usecounter{enumiv}%
22975   \fi
22976   \let\p@enumiv\@empty
22977   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22978 }%
22979 \sloppy\clubpenalty4000 \widowpenalty4000
22980 \sfcode`\.=\@m
22981 }{%
22982 \if@bib@break@
22983   \def\@noitemerr{%
22984     \@latex@warning{%
22985       \string\BreakBibliography\space at begin of `thebibliography'
22986       environment\MessageBreak
22987       or following \string\BreakBibliography}%
22988   }%
22989 \else
22990   \def\@noitemerr{%
22991     \@latex@warning{%
22992       Empty `thebibliography' environment or
22993       \string\BreakBibliography\MessageBreak
22994       before end of `thebibliography' environment}%
22995   }%
22996 \fi
22997 \endlist
22998 \if@bib@break@
22999 \else
23000   \bib@after@hook
23001   \let\bib@before@hook\@empty
23002   \let\bib@after@hook\@empty
23003 \fi
23004 \bib@endhook
23005 }
23006 \renewcommand*{\raggeddictum}{\ifRTL\raggedright\else\raggedleft\fi}
23007 \renewcommand*{\raggeddictumtext}{\ifRTL\raggedleft\else\raggedright\fi}
23008 \renewcommand*{\raggeddictumauthor}{\ifRTL\raggedright\else\raggedleft\fi}
23009 \renewcommand\marginline[1]{%
23010   \marginpar[\ifRTL\raggedright\else\raggedleft\fi{#1}]{\ifRTL\raggedleft\else\raggedright
23011 }

```



```

23012 \renewcommand{\@makecaption}[3]{%
23013   \cap@margin
23014   \begingroup
23015     \ifonelinecaptions
23016       \def\stepcounter##1{\advance\value{##1}\@ne}%
23017       \let\refstepcounter\stepcounter
23018       \let\label\@gobble
23019       \let\@footnotetext=\@gobble
23020       \let\@LTRfootnotetext=\@gobble
23021       \let\@RTLfootnotetext=\@gobble
23022       \let\hypertarget\@gobbletwo
23023       \edef\@xnewline{%
23024         \unexpanded{\ClassInfo{\KOMAClassName}}{%
23025           Workaround for not recommended usage of \string\ or\MessageBreak
23026           \string\newline in caption text
23027         }%
23028         \hspace*{\linewidth}\hspace{1sp}%
23029       }%
23030       \unexpanded\expandafter{\@xnewline}%
23031     }%
23032     \edef\@xcentercr{%
23033       \unexpanded{\ClassInfo{\KOMAClassName}}{%
23034         Workaround for not recommended usage of \string\ or\MessageBreak
23035         \string\newline in caption text
23036       }%
23037       \hspace*{\linewidth}\hspace{1sp}%
23038     }%
23039     \unexpanded\expandafter{\@xcentercr}%
23040   }%
23041   \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
23042   \ifdim\@tempdima>\cap@width
23043     \aftergroup\scr@makemultilinecaption
23044   \else
23045     \aftergroup\scr@makesinglelinecaption
23046   \fi
23047   \else
23048     \aftergroup\scr@makemultilinecaption
23049   \fi
23050 \endgroup
23051 {#1}{#2}{#3}%
23052 }
23053 \renewcommand{\scr@makesinglelinecaption}[3]{%
23054   {%
23055     \usefontofkomafont{caption}{%
23056       \hb@xt@\hsize{%
23057         \cap@left
23058         \if@RTL
23059           \beginR
23060         \fi
23061         \scr@makesinglelinecaption{#1}{#2}{#3}%
23062         \if@RTL
23063           \endR
23064         \fi
23065         \cap@right

```




```

23066     }\par\kern\dp\strutbox%
23067     }%
23068   }\kern-\dp\strutbox
23069 }
23070 \renewcommand{\@makecaption}[2]{%
23071   \if@captionabove
23072     \vskip\belowcaptionskip
23073   \else
23074     \vskip\abovecaptionskip
23075   \fi
23076   \@makecaption\@firstofone{#1}{#2}%
23077   \if@captionabove
23078     \vskip\abovecaptionskip
23079   \else
23080     \vskip\belowcaptionskip
23081   \fi
23082 }
23083
23084 \renewcommand{\scr@makesinglelinecaption}[3]{%
23085   {\usekomafont{caption}{\strut\ignorespaces
23086     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23087     \ignorespaces #3\unskip}}%
23088 }
23089
23090 \renewcommand{\scr@makemultilinecaption}[3]{%
23091   {%
23092     \usefontofkomafont{caption}{%
23093       \hb@xt@\hsize{%
23094         \cap@left
23095         \vbox{\hsize\cap@width\linewidth\hsize
23096           \scr@ifundefinedorrelax{@capttype}{%
23097             \ClassWarning{\KOMAClassName}{%
23098               `string\caption' outside float.\MessageBreak
23099               Seems you are using `string\caption' outside a
23100               float.\MessageBreak
23101               Maybe you are using a package that uses
23102               `string\@makecaption'\MessageBreak
23103               without setting `string\@capttype' before.\MessageBreak
23104               Because I cannot detect the caption type, I'm using\MessageBreak
23105               the empty one.%
23106             }%
23107             \let\@capttype\@empty
23108           }{}%
23109           \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
23110             \@nameuse{ragged\@capttype caption}}%
23111           }%
23112           \ifdofullc@p
23113             \@hangfrom{%
23114               \strut
23115               \scr@smashdp{%
23116                 #1{%
23117                   \usekomafont{caption}{%
23118                     \usekomafont{captionlabel}{#2\captionformat}}%
23119                 }%

```



```

23120         }%
23121     }%
23122 }%
23123     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23124 \else
23125     \ifdim\cap@indent<\z@
23126         \strut
23127         #1{%
23128             {\usekomafont{caption}{%
23129                 \usekomafont{captionlabel}{#2\captionformat}%
23130             }%
23131         }\par}%
23132     \noindent{\usekomafont{caption}{%
23133         \hspace*{-\cap@indent}#3\scr@endstrut
23134     }}\par}%
23135 \else
23136     \if@capbreak
23137         \strut
23138         #1{%
23139             {\usekomafont{caption}{%
23140                 \usekomafont{captionlabel}{#2\captionformat}%
23141             }
23142         }\par}%
23143     \noindent\@hangfrom{\hspace*{\cap@indent}}%
23144     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23145 \else
23146     \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23147     {%
23148         \hspace*{-\cap@indent}%
23149         \scr@smashdp{%
23150             #1{\usekomafont{caption}{%
23151                 \usekomafont{captionlabel}{#2\captionformat}%
23152             }%
23153         }%
23154     }%
23155     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23156 }%
23157     \fi
23158 \fi
23159 \fi
23160 }%
23161     \cap@right
23162 }\par\kern\dp\strutbox
23163 }%
23164 }\kern-\dp\strutbox
23165 }
23166
23167
23168 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23169     \if@komalongtable
23170         \renewcommand{\LT@makecaption}[3]{%
23171             \noalign{%
23172                 \if@captionabove
23173                     \vskip\belowcaptionskip

```



```

23174     \else
23175         \vskip\abovecaptionskip
23176     \fi
23177 }%
23178 \LT@mcol\LT@cols c{%
23179     \hbox to\z@{\hss\parbox[t]{\linewidth{%
23180         \def\@capytype{table}%
23181         \@makecaption{#1}{#2}{#3}%
23182         \endgraf
23183         \if@captionabove
23184             \vskip\abovecaptionskip
23185         \else
23186             \vskip\belowcaptionskip
23187         \fi
23188     }}%
23189     \hss
23190 }%
23191 }%
23192 }%
23193 \renewcommand*\scr@LT@array}{}%
23194 \let\scr@LT@array=\LT@array
23195 \renewcommand*\LT@array{%
23196     \let\scr@caption=\LT@caption
23197     \def\captionabove{\noalign{\global\@captionabovetrue}%
23198     \scr@caption}%
23199     \def\captionbelow{\noalign{\global\@captionabovetrue}%
23200     \scr@caption}%
23201     \if@tablecaptionabove
23202         \let\LT@caption=\captionabove
23203     \else
23204         \let\LT@caption=\captionbelow
23205     \fi
23206     \scr@LT@array
23207 }%
23208 \ClassInfo{\KOMAClassName}{%
23209     longtable captions redefined%
23210 }%
23211 \fi
23212 }
23213
23214 \CloneTOCEntryStyle{tocline}{part}
23215 \TOCEntryStyleStartInitCode{part}{%
23216     \expandafter\renewcommand%
23217     \csname scr@tso@#1@linefill\endcsname{\hfill}%
23218     \expandafter\renewcommand%
23219     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23220     \expandafter\renewcommand%
23221     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23222         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
23223     \expandafter\renewcommand\expandafter*%
23224     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23225 }
23226
23227 \CloneTOCEntryStyle{tocline}{chapter}

```



```

23228 \TOCEntryStyleStartInitCode{chapter}{%
23229   \expandafter\renewcommand%
23230   \csname scr@tso@#1@linefill\endcsname{%
23231     \if@chapterentrywithdots
23232       {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23233     \else
23234       \hfill
23235     \fi
23236   }%
23237   \expandafter\renewcommand%
23238   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
23239   \expandafter\renewcommand%
23240   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23241     {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
23242   \expandafter\renewcommand\expandafter*%
23243   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23244 }
23245
23246 \CloneTOCEntryStyle{tocline}{section}
23247 \TOCEntryStyleStartInitCode{section}{%
23248   \expandafter\renewcommand%
23249   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23250   \expandafter\renewcommand%
23251   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23252     {\normalfont\normalcolor ##1}}%
23253 }
23254
23255 \CloneTOCEntryStyle{section}{default}
23256
23257 \DeclareSectionCommand[%
23258   style=chapter,%
23259   level=\z@,%
23260   pagestyle=plain,%
23261   tocstyle=chapter,%
23262   tocindent=\z@,%
23263   tocnumwidth=1.5em%
23264 ]{chapter}
23265 \DeclareSectionCommand[%
23266   style=section,%
23267   level=1,%
23268   indent=\z@,%
23269   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
23270   afterskip=2.3ex \@plus.2ex,%
23271   tocstyle=section,%
23272   tocindentfollows=chapter,%
23273   tocindent=1.5em,%
23274   tocnumwidth=2.3em%
23275 ]{section}
23276 \DeclareSectionCommand[%
23277   style=part,%
23278   level=\m@ne,%
23279   pagestyle=plain,%
23280   tocstyle=part,%
23281   toplevel=\m@ne,%

```



```

23282 tocindent=\z@,%
23283 tocnumwidth=2em%
23284 ]{part}
23285 \DeclareSectionCommand[%
23286 style=section,%
23287 level=2,%
23288 indent=\z@,%
23289 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
23290 afterskip=1.5ex \@plus .2ex,%
23291 tocstyle=section,%
23292 tocindent=3.8em,%
23293 tocnumwidth=3.2em%
23294 ]{subsection}
23295 \DeclareSectionCommand[%
23296 style=section,%
23297 level=3,%
23298 indent=\z@,%
23299 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
23300 afterskip=1.5ex \@plus .2ex,%
23301 tocstyle=section,%
23302 tocindent=7.0em,%
23303 tocnumwidth=4.1em%
23304 ]{subsubsection}
23305 \DeclareSectionCommand[%
23306 style=section,%
23307 level=4,%
23308 indent=\z@,%
23309 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
23310 afterskip=-1em,%
23311 tocindentfollows=subsubsection,%
23312 tocstyle=section,%
23313 tocindent=10em,%
23314 tocnumwidth=5em%
23315 ]{paragraph}
23316 \DeclareSectionCommand[%
23317 style=section,%
23318 level=5,%
23319 indent=\scr@parindent,%
23320 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
23321 afterskip=-1em,%
23322 tocstyle=section,%
23323 tocindent=12em,%
23324 tocnumwidth=6em%
23325 ]{subparagraph}

```

143 File `scrreprt-xetex-bidi.def`

```

23326 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
23327 \newcommand{\scr@saved@LTRfootnotetext}{}
23328 \newcommand{\scr@saved@RTLfootnotetext}{}
23329 \let\scr@saved@footnotetext\@footnotetext
23330 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
23331 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
23332 \renewcommand{\@footnotetext}[1]{%

```



```

23333 \scr@saved@footnotetext{#1}%
23334 \csname FN@mf@prepare\endcsname
23335 }
23336 \renewcommand{\@LTRfootnotetext}[1]{%
23337 \scr@saved@LTRfootnotetext{#1}%
23338 \csname FN@mf@prepare\endcsname
23339 }
23340 \renewcommand{\@RTLfootnotetext}[1]{%
23341 \scr@saved@RTLfootnotetext{#1}%
23342 \csname FN@mf@prepare\endcsname
23343 }
23344 \renewcommand\deffootnote[4] []{%
23345 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
23346 \long\def\@makefntext##1{%
23347 \ExecuteDoHook{footnote/text/begin}%
23348 \raggedfootnote
23349 \if@RTL
23350 \rightskip
23351 \else
23352 \leftskip
23353 \fi
23354 #2
23355 \l@addto@macro\@trivlist{%
23356 \ifnum\@listdepth=\@ne
23357 \if@RTL
23358 \advance\rightmargin #2\relax
23359 \else
23360 \advance\leftmargin #2\relax
23361 \fi
23362 \fi
23363 }%
23364 \parindent #3\noindent
23365 \IfArgIsEmpty{#1}{-}{%
23366 \hskip \dimexpr #1-#2\relax
23367 }%
23368 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
23369 \ExecuteDoHook{footnote/text/end}%
23370 }%
23371 \else
23372 \ClassInfo{\KOMAClassName}{%
23373 Using old \string\@makefntext\space due to compatibility
23374 level\MessageBreak
23375 less than 3.22}%
23376 \long\def\@makefntext##1{%
23377 \setlength{\@tempdimc}{#3}%
23378 \def\@tempa{#1}\ifx\@tempa\@empty
23379 \setpar{\@par
23380 \@tempdima = \hspace
23381 \addtolength{\@tempdima}{-#2}%
23382 \if@RTL
23383 \parshape \@ne \z@ \@tempdima
23384 \else
23385 \parshape \@ne #2 \@tempdima
23386 \fi

```



```

23387     }%
23388     \else
23389         \addtolength{\@tempdimc}{#2}%
23390         \addtolength{\@tempdimc}{-#1}%
23391         \@setpar{\@@par
23392             \@tempdima = \hspace
23393             \addtolength{\@tempdima}{-#1}%
23394             \@tempdimb = \hspace
23395             \addtolength{\@tempdimb}{-#2}%
23396             \if@RTL
23397                 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
23398             \else
23399                 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
23400             \fi
23401         }%
23402     \fi
23403     \par
23404     \parindent\@tempdimc\noindent
23405     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
23406 }%
23407 \fi
23408 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
23409 }
23410 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
23411 \renewcommand*\left@footnoterule{%
23412     \normalsize\ftn@rule@test@values
23413     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
23414     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23415     {\usekomafont{footnoterule}{%
23416         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
23417     \kern 2.6\p@}
23418 \renewcommand*\right@footnoterule{%
23419     \normalsize\ftn@rule@test@values
23420     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
23421     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23422     {\usekomafont{footnoterule}{%
23423         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
23424         \kern 2.6\p@}
23425 \renewcommand*\maketitle[1][1]{%
23426     \expandafter\ifnum \c@name scr@v3.12\endcsname>\scr@compatibility\relax
23427     \else
23428         \def\and{%
23429             \end{tabular}%
23430             \hspace 1em \@plus.17fil%
23431             \begin{tabular}[t]{c}%
23432         }%
23433     \fi
23434     \if@titlepage
23435         \begin{titlepage}
23436             \setcounter{page}{%
23437                 #1%
23438             }%
23439         \if@titlepageiscoverpage
23440             \edef\titlepage@restore{%

```



```

23441     \noexpand\endgroup
23442     \noexpand\global\noexpand\@colht\the\@colht
23443     \noexpand\global\noexpand\@colroom\the\@colroom
23444     \noexpand\global\vsizethe\vsizethe
23445     \noexpand\global\noexpand\@titlepageiscoverpagefalse
23446     \noexpand\let\noexpand\titlepage@restore\noexpand\relax
23447   }%
23448   \beginingroup
23449   \topmargin=\dimexpr \coverpagetopmargin-1in\relax
23450   \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
23451   \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
23452   \textwidth=\dimexpr
23453   \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
23454   \textheight=\dimexpr
23455   \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
23456   \headheight=0pt
23457   \headsep=0pt
23458   \footskip=\baselineskip
23459   \@colht=\textheight
23460   \@colroom=\textheight
23461   \vsizethe=\textheight
23462   \columnwidth=\textwidth
23463   \hsizethe=\columnwidth
23464   \linewidth=\hsizethe
23465   \else
23466     \let\titlepage@restore\relax
23467   \fi
23468   \let\footnotesize\small
23469   \let\right@footnoterule\relax
23470   \let\left@footnoterule\relax
23471   \let\textwidth@footnoterule\relax
23472   \let\footnote\thanks
23473   \let\LTRfootnote\LTRthanks
23474   \let\RTLfootnote\RTLthanks
23475   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23476   \let\@oldmakefnmark\@makefnmark
23477   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
23478   \ifx\@extratitle\@empty
23479     \ifx\@frontispiece\@empty
23480     \else
23481       \if@twoside\mbox{}\next@tpage\fi
23482       \noindent\@frontispiece\next@tdpage
23483     \fi
23484   \else
23485     \noindent\@extratitle
23486     \ifx\@frontispiece\@empty
23487     \else
23488       \next@tpage
23489       \noindent\@frontispiece
23490     \fi
23491     \next@tdpage
23492   \fi
23493   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
23494   \ifx\@titlehead\@empty \else

```




```

23495     \begin{minipage}[t]{\textwidth}%
23496         \usekomafont{titlehead}{\@titlehead\par}%
23497     \end{minipage}\par
23498     \fi
23499     \null\vfill
23500     \begin{center}
23501         \ifx\@subject\@empty \else
23502             {\usekomafont{subject}{\@subject\par}}%
23503             \vskip 3em
23504         \fi
23505         {\usekomafont{title}{\huge \@title\par}}%
23506         \vskip 1em
23507         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
23508         \vskip 2em
23509         {%
23510             \usekomafont{author}{%
23511                 \lineskip 0.75em
23512                 \begin{tabular}[t]{c}
23513                     \@author
23514                 \end{tabular}\par
23515             }%
23516         }%
23517         \vskip 1.5em
23518         {\usekomafont{date}{\@date \par}}%
23519         \vskip \z@ \@plus3fill
23520         {\usekomafont{publishers}{\@publishers \par}}%
23521         \vskip 3em
23522     \end{center}\par
23523     \@thanks\global\let\@thanks\@empty
23524     \vfill\null
23525     \if@twoside
23526         \@tempwattrue
23527         \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
23528     \else
23529         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
23530             \@tempwafalse
23531         \fi\fi
23532     \fi
23533     \if@tempswa
23534         \next@tpage
23535         \begin{minipage}[t]{\textwidth}
23536             \@uppertitleback
23537         \end{minipage}\par
23538         \vfill
23539         \begin{minipage}[b]{\textwidth}
23540             \@lowertitleback
23541         \end{minipage}\par
23542         \@thanks\global\let\@thanks\@empty
23543     \fi
23544     \else
23545         \ifx\@uppertitleback\@empty\else
23546             \ClassWarning{\KOMAClassName}{%
23547                 non empty \string\uppertitleback\space ignored
23548                 by \string\maketitle\MessageBreak

```



```

23549         in `twoside=false' mode%
23550     }%
23551 \fi
23552 \ifx\@lowertitleback\@empty\else
23553     \ClassWarning{\KOMAClassName}{%
23554         non empty \string\lowertitleback\space ignored
23555         by \string\maketitle\MessageBreak
23556         in `twoside=false' mode%
23557     }%
23558 \fi
23559 \fi
23560 \ifx\@dedication\@empty
23561 \else
23562     \next@tdpage\null\vfill
23563     {\centering\usekomafont{dedication}{\@dedication \par}}%
23564     \vskip \z@ \@plus3fill
23565     \@thanks\global\let\@thanks\@empty
23566     \cleardoubleemptypage
23567 \fi
23568 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
23569 \end{titlepage}
23570 \else
23571 \par
23572 \@tempcnta=%
23573 #1%
23574 \relax\ifnum\@tempcnta=1\else
23575     \ClassWarning{\KOMAClassName}{%
23576         Optional argument of \string\maketitle\space ignored\MessageBreak
23577         in `titlepage=false' mode%
23578     }%
23579 \fi
23580 \ifx\@uppertitleback\@empty\else
23581     \ClassWarning{\KOMAClassName}{%
23582         non empty \string\uppertitleback\space ignored
23583         by \string\maketitle\MessageBreak
23584         in `titlepage=false' mode%
23585     }%
23586 \fi
23587 \ifx\@lowertitleback\@empty\else
23588     \ClassWarning{\KOMAClassName}{%
23589         non empty \string\lowertitleback\space ignored
23590         by \string\maketitle\MessageBreak
23591         in `titlepage=false' mode%
23592     }%
23593 \fi
23594 \begingroup
23595     \let\titlepage@restore\relax
23596     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23597     \let\@oldmakefnmark\@makefnmark
23598     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
23599     \next@tdpage
23600 \if@twocolumn
23601     \ifnum \col@number=\@ne
23602         \ifx\@extratitle\@empty

```



```

23603         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23604     \else
23605         \@makeextratitle
23606     \fi
23607     \ifx\@frontispiece\@empty
23608         \ifx\@extratitle\@empty\else\next@tdpage\fi
23609     \else
23610         \next@tpage
23611         \@makefrontispiece
23612     \next@tdpage
23613     \fi
23614     \@maketitle
23615 \else
23616     \ifx\@extratitle\@empty
23617         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23618     \else
23619         \twocolumn[\@makeextratitle]%
23620     \fi
23621     \ifx\@frontispiece\@empty
23622         \ifx\@extratitle\@empty\else\next@tdpage\fi
23623     \else
23624         \next@tpage
23625         \twocolumn[\@makefrontispiece]%
23626     \next@tdpage
23627     \fi
23628     \twocolumn[\@maketitle]%
23629 \fi
23630 \else
23631     \ifx\@extratitle\@empty
23632     \ifx\@frontispiece\@empty\else \mbox{}\fi
23633     \else
23634         \@makeextratitle
23635     \fi
23636     \ifx\@frontispiece\@empty
23637         \ifx\@extratitle\@empty\else\next@tdpage\fi
23638     \else
23639         \next@tpage
23640         \@makefrontispiece
23641     \next@tdpage
23642     \fi
23643     \@maketitle
23644 \fi
23645     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
23646     \@thanks\global\let\@thanks\@empty
23647 \endgroup
23648 \fi
23649 \setcounter{footnote}{0}%
23650 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23651     \let\thanks\relax
23652     \let\LTRthanks\relax
23653     \let\RTLthanks\relax
23654     \let\maketitle\relax
23655     \let\@maketitle\relax
23656     \global\let\@thanks\@empty

```



```

23657 \global\let\@author\@empty
23658 \global\let\@date\@empty
23659 \global\let\@title\@empty
23660 \global\let\@subtitle\@empty
23661 \global\let\@extratitle\@empty
23662 \global\let\@frontispiece\@empty
23663 \global\let\@titlehead\@empty
23664 \global\let\@subject\@empty
23665 \global\let\@publishers\@empty
23666 \global\let\@uppertitleback\@empty
23667 \global\let\@lowertitleback\@empty
23668 \global\let\@dedication\@empty
23669 \global\let\author\relax
23670 \global\let\title\relax
23671 \global\let\extratitle\relax
23672 \global\let\titlehead\relax
23673 \global\let\subject\relax
23674 \global\let\publishers\relax
23675 \global\let\uppertitleback\relax
23676 \global\let\lowertitleback\relax
23677 \global\let\dedication\relax
23678 \global\let\date\relax
23679 \fi
23680 \global\let\and\relax
23681 }%
23682 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
23683 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
23684 \renewcommand*\thesection{%
23685 \thechapter\@SepMark%
23686 \@arabic\c@section
23687 }
23688 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
23689 \renewcommand*{\thesubsubsection}{%
23690 \thesubsection\@SepMark\@arabic\c@subsubsection
23691 }
23692 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
23693 \renewcommand*{\thesubparagraph}{%
23694 \theparagraph\@SepMark\@arabic\c@subparagraph
23695 }
23696 \expandafter\ifnum\scr@v@is@le{2.97d}%
23697 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
23698 \fi
23699 \expandafter\ifnum\scr@v@is@le{2.97d}%
23700 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
23701 \fi
23702 \renewcommand*\theequation{%
23703 \thechapter\@SepMark%
23704 \@arabic\c@equation
23705 }
23706 \renewenvironment{thebibliography}[1]{%
23707 \if@bib@break@
23708 \bib@beginhook
23709 \else
23710 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else

```



```

23711     \setchapterpreamble{\bibpreamble}%
23712     \fi\fi
23713     \bib@heading
23714     \bib@beginhook
23715     \bib@before@hook
23716     \fi
23717     \renewcommand{\BreakBibliography}[1]{%
23718     \@bib@break
23719     \end{thebibliography}%
23720     \begingroup ##1\endgroup
23721     \begin{thebibliography}{#1}
23722     }%
23723     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
23724     \bidi@thebibliography@font@hook%
23725     \list{%
23726     \@biblabel{\@arabic\c@enumiv}%
23727     }{%
23728     \settowidth\labelwidth{\@biblabel{#1}}%
23729     \leftmargin\labelwidth
23730     \advance\leftmargin\labelsep
23731     \@openbib@code
23732     \if@bib@break@
23733     \edef\@tempa{%
23734     \noexpand\usecounter{enumiv}%
23735     \noexpand\setcounter{enumiv}{\the\c@enumiv}%
23736     }\@tempa
23737     \no@bib@break
23738     \else
23739     \usecounter{enumiv}%
23740     \fi
23741     \let\p@enumiv\@empty
23742     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
23743     }%
23744     \sloppy\clubpenalty4000 \widowpenalty4000
23745     \sfcode`\.=\@m
23746     }{%
23747     \if@bib@break@
23748     \def\@noitemerr{%
23749     \@latex@warning{%
23750     \string\BreakBibliography\space at begin of `thebibliography'
23751     environment\MessageBreak
23752     or following \string\BreakBibliography}%
23753     }%
23754     \else
23755     \def\@noitemerr{%
23756     \@latex@warning{%
23757     Empty `thebibliography' environment or
23758     \string\BreakBibliography\MessageBreak
23759     before end of `thebibliography' environment}%
23760     }%
23761     \fi
23762     \endlist
23763     \if@bib@break@
23764     \else

```



```

23765 \bib@after@hook
23766 \let\bib@before@hook\@empty
23767 \let\bib@after@hook\@empty
23768 \fi
23769 \bib@endhook
23770 }
23771 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
23772 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
23773 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
23774 \renewcommand\marginline[1]{%
23775 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
23776 }
23777 \renewcommand{\@makecaption}[3]{%
23778 \cap@margin
23779 \begingroup
23780 \ifonelinecaptions
23781 \def\stepcounter##1{\advance\value{##1}\@one}%
23782 \let\refstepcounter\stepcounter
23783 \let\label\@gobble
23784 \let\@footnotetext=\@gobble
23785 \let\@LTRfootnotetext=\@gobble
23786 \let\@RTLfootnotetext=\@gobble
23787 \let\hypertarget\@gobbletwo
23788 \edef\@xnewline{%
23789 \unexpanded{\ClassInfo{\KOMAClassName}}{%
23790 Workaround for not recommended usage of \string\ or\MessageBreak
23791 \string\newline in caption text
23792 }%
23793 \hspace*{\linewidth}\hspace{1sp}%
23794 }%
23795 \unexpanded\expandafter{\@xnewline}%
23796 }%
23797 \edef\@xcentercr{%
23798 \unexpanded{\ClassInfo{\KOMAClassName}}{%
23799 Workaround for not recommended usage of \string\ or\MessageBreak
23800 \string\newline in caption text
23801 }%
23802 \hspace*{\linewidth}\hspace{1sp}%
23803 }%
23804 \unexpanded\expandafter{\@xcentercr}%
23805 }%
23806 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
23807 \ifdim\@tempdima>\cap@width
23808 \aftergroup\scr@makemultilinecaption
23809 \else
23810 \aftergroup\scr@makesinglelinecaption
23811 \fi
23812 \else
23813 \aftergroup\scr@makemultilinecaption
23814 \fi
23815 \endgroup
23816 {#1}{#2}{#3}%
23817 }
23818 \renewcommand{\scr@makesinglelinecaption}[3]{%

```



```

23819  {%
23820    \usefontofkomafont{caption}{%
23821      \hb@xt@\hsize{%
23822        \cap@left
23823        \if@RTL
23824          \beginR
23825          \fi
23826          \scr@makesinglelinecaption{#1}{#2}{#3}%
23827        \if@RTL
23828          \endR
23829        \fi
23830        \cap@right
23831      }\par\kern\dp\strutbox%
23832    }%
23833  }\kern-\dp\strutbox
23834 }
23835 \renewcommand{\@makecaption}[2]{%
23836   \if@captionabove
23837     \vskip\belowcaptionskip
23838   \else
23839     \vskip\abovecaptionskip
23840   \fi
23841   \@makecaption\@firstofone{#1}{#2}%
23842   \if@captionabove
23843     \vskip\abovecaptionskip
23844   \else
23845     \vskip\belowcaptionskip
23846   \fi
23847 }
23848
23849 \renewcommand{\scr@makesinglelinecaption}[3]{%
23850   {\usekomafont{caption}{\strut\ignorespaces
23851     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23852   \ignorespaces #3\unskip}}%
23853 }
23854
23855 \renewcommand{\scr@makemultilinecaption}[3]{%
23856   {%
23857     \usefontofkomafont{caption}{%
23858       \hb@xt@\hsize{%
23859         \cap@left
23860         \vbox{\hsize\cap@width\linewidth\hsize
23861           \scr@ifundefinedorrelax{@captive}{%
23862             \ClassWarning{\KOMAClassName}{%
23863               `string\caption' outside float.\MessageBreak
23864               Seems you are using `string\caption' outside a
23865               float.\MessageBreak
23866               Maybe you are using a package that uses
23867               `string\@makecaption'\MessageBreak
23868               without setting `string\@captive' before.\MessageBreak
23869               Because I cannot detect the caption type, I'm using\MessageBreak
23870               the empty one.%
23871             }%
23872             \let@captive@empty

```



```

23873 }{}%
23874 \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
23875 \@nameuse{ragged\@captype caption}%
23876 }%
23877 \ifdofullc@p
23878 \@hangfrom{%
23879 \strut
23880 \scr@smashdp{%
23881 #1{%
23882 \usekomafont{caption}{%
23883 \usekomafont{captionlabel}{#2\captionformat}%
23884 }%
23885 }%
23886 }%
23887 }%
23888 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23889 \else
23890 \ifdim\cap@indent<\z@
23891 \strut
23892 #1{%
23893 {\usekomafont{caption}{%
23894 \usekomafont{captionlabel}{#2\captionformat}%
23895 }%
23896 }\par}%
23897 \noindent{{\usekomafont{caption}{%
23898 \hspace*{-\cap@indent}#3\scr@endstrut
23899 }}\par}%
23900 \else
23901 \if@capbreak
23902 \strut
23903 #1{%
23904 {\usekomafont{caption}{%
23905 \usekomafont{captionlabel}{#2\captionformat}%
23906 }%
23907 }\par}%
23908 \noindent\@hangfrom{\hspace*{\cap@indent}}%
23909 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23910 \else
23911 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23912 {%
23913 \hspace{-\cap@indent}%
23914 \scr@smashdp{%
23915 #1{\usekomafont{caption}{%
23916 \usekomafont{captionlabel}{#2\captionformat}%
23917 }%
23918 }%
23919 }%
23920 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23921 }%
23922 \fi
23923 \fi
23924 \fi
23925 }%
23926 \cap@right

```




```

23927     }\par\kern\dp\strutbox
23928   }%
23929 }\kern-\dp\strutbox
23930 }
23931
23932
23933 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23934   \if@komalongtable
23935     \renewcommand{\LT@makecaption}[3]{%
23936       \noalign{%
23937         \if@captionabove
23938           \vskip\belowcaptionskip
23939         \else
23940           \vskip\abovecaptionskip
23941         \fi
23942       }%
23943       \LT@mcot\LT@cols c{%
23944         \hbox to\z@{\hss\parbox[t]\linewidth{%
23945           \def\@capytype{table}%
23946           \@makecaption{#1}{#2}{#3}%
23947           \endgraf
23948           \if@captionabove
23949             \vskip\abovecaptionskip
23950           \else
23951             \vskip\belowcaptionskip
23952           \fi
23953         }%
23954         \hss
23955       }%
23956     }%
23957   }%
23958   \renewcommand*\scr@LT@array}{}%
23959   \let\scr@LT@array=\LT@array
23960   \renewcommand*\LT@array{%
23961     \let\scr@caption=\LT@caption
23962     \def\captionabove{\noalign{\global\@captionabovetrue}%
23963       \scr@caption}%
23964     \def\captionbelow{\noalign{\global\@captionabovefalse}%
23965       \scr@caption}%
23966     \if@tablecaptionabove
23967       \let\LT@caption=\captionabove
23968     \else
23969       \let\LT@caption=\captionbelow
23970     \fi
23971     \scr@LT@array
23972   }%
23973   \ClassInfo{\KOMAClassName}{%
23974     longtable captions redefined%
23975   }%
23976   \fi
23977 }
23978
23979 \CloneTOCEntryStyle{tocline}{part}
23980 \TOCEntryStyleStartInitCode{part}{%

```



```

23981 \expandafter\renewcommand%
23982 \csname scr@tso@#1@linefill\endcsname{\hfill}%
23983 \expandafter\renewcommand%
23984 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23985 \expandafter\renewcommand%
23986 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23987   {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}}%
23988 \expandafter\renewcommand\expandafter*%
23989 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23990 }
23991
23992 \CloneTOCEntryStyle{tocline}{chapter}
23993 \TOCEntryStyleStartInitCode{chapter}{%
23994   \expandafter\renewcommand%
23995   \csname scr@tso@#1@linefill\endcsname{%
23996     \if@chapterentrywithdots
23997       {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23998     \else
23999       \hfill
24000     \fi
24001   }%
24002   \expandafter\renewcommand%
24003   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
24004   \expandafter\renewcommand%
24005   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
24006     {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}}%
24007   \expandafter\renewcommand\expandafter*%
24008   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
24009 }
24010
24011 \CloneTOCEntryStyle{tocline}{section}
24012 \TOCEntryStyleStartInitCode{section}{%
24013   \expandafter\renewcommand%
24014   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
24015   \expandafter\renewcommand%
24016   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
24017     {\normalfont\normalcolor ##1}}%
24018 }
24019
24020 \CloneTOCEntryStyle{section}{default}
24021
24022 \DeclareSectionCommand[%
24023   style=chapter,%
24024   level=\z@,%
24025   pagestyle=plain,%
24026   tocstyle=chapter,%
24027   tocindent=\z@,%
24028   tocnwidth=1.5em%
24029 ]{chapter}
24030 \DeclareSectionCommand[%
24031   style=section,%
24032   level=1,%
24033   indent=\z@,%
24034   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%

```



```

24035 afterskip=2.3ex \@plus.2ex,%
24036 tocstyle=section,%
24037 tocindentfollows=chapter,%
24038 tocindent=1.5em,%
24039 tocnumwidth=2.3em%
24040 ]{section}
24041 \DeclareSectionCommand[%
24042 style=part,%
24043 level=\m@ne,%
24044 pagestyle=plain,%
24045 tocstyle=part,%
24046 toplevel=\m@ne,%
24047 tocindent=\z@,%
24048 tocnumwidth=2em%
24049 ]{part}
24050 \DeclareSectionCommand[%
24051 style=section,%
24052 level=2,%
24053 indent=\z@,%
24054 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
24055 afterskip=1.5ex \@plus .2ex,%
24056 tocstyle=section,%
24057 tocindent=3.8em,%
24058 tocnumwidth=3.2em%
24059 ]{subsection}
24060 \DeclareSectionCommand[%
24061 style=section,%
24062 level=3,%
24063 indent=\z@,%
24064 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
24065 afterskip=1.5ex \@plus .2ex,%
24066 tocstyle=section,%
24067 tocindent=7.0em,%
24068 tocnumwidth=4.1em%
24069 ]{subsubsection}
24070 \DeclareSectionCommand[%
24071 style=section,%
24072 level=4,%
24073 indent=\z@,%
24074 beforekip=3.25ex \@plus1ex \@minus .2ex,%
24075 afterskip=-1em,%
24076 tocindentfollows=subsubsection,%
24077 tocstyle=section,%
24078 tocindent=10em,%
24079 tocnumwidth=5em%
24080 ]{paragraph}
24081 \DeclareSectionCommand[%
24082 style=section,%
24083 level=5,%
24084 indent=\scr@parindent,%
24085 beforekip=3.25ex \@plus1ex \@minus .2ex,%
24086 afterskip=-1em,%
24087 tocstyle=section,%
24088 tocindent=12em,%

```



```

24089 tocnumwidth=6em%
24090 ]{subparagraph}

```

144 File sidecap-xetex-bidi.def

```

24091 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
24092 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
24093   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
24094 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
24095 \renewcommand*{\SC@justify@caption}{\if@RTL%
24096 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
24097   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

145 File soul-xetex-bidi.def

```

24098 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
24099 \long\def\SOUL@start#1{%
24100   \let\ bidi@RTL@everypar\@empty
24101   \let\<\SOUL@lowerthan
24102   \let\>\empty
24103   \def\soulomit{\noexpand\soulomit}%
24104   \gdef\SOUL@eventuallyexhyphen##1{%
24105     \let\SOUL@soeventuallyskip\relax
24106     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\@font
24107       \@minus\fontdimen4\font
24108     \SOUL@ignorespacesfalse
24109     \leavevmode
24110     \SOUL@preamble
24111     \SOUL@lasttoken={}%
24112     \SOUL@word={}%
24113     \SOUL@minus\z@
24114     \SOUL@comma\z@
24115     \SOUL@apo\z@
24116     \SOUL@grave\z@
24117     \SOUL@do{#1}%
24118     \SOUL@postamble
24119 }}}
24120 \def\SOUL@ulunderline#1{%
24121   \setbox\z@\hbox{#1}%
24122   \dimen@=\wd\z@
24123   \dimen@i=\SOUL@uloverlap
24124   \advance\dimen@2\dimen@i
24125   \if@RTL
24126     \unhcopy\z@
24127     \llap{%
24128       \null
24129       \kern-\dimen@i
24130       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}}%
24131   }%
24132   \else
24133     \rlap{%
24134       \null
24135       \kern-\dimen@i
24136       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}}%

```



```

24137 }%
24138 \unhcopy\z@
24139 \fi
24140 }}
24141 \def\bidi@SOUL@ulleaders{%
24142   \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\r
24143 }
24144 \def\SOUL@uleveryspace#1{%
24145   \if@RTL
24146     #1%
24147     \bidi@SOUL@ulleaders
24148     \hskip\spaceskip
24149   \else
24150     \SOUL@ulcolor{%
24151       #1%
24152       \SOUL@ulleaders
24153       \hskip\spaceskip
24154     }%
24155     \fi
24156     \null
24157 }

```

146 File stabular-xetex-bidi.def

```

24158 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
24159 \def\@stabular{%
24160   \leavevmode \bgroup \if@RTLtab\beginR \fi
24161   \let\@acol\@tabacol
24162   \let\@classz\@tabclassz
24163   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
24164 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
24165   \egroup \if@RTLtab\endR\fi\egroup}
24166 \expandafter \let \csname endstabular*\endcsname = \endstabular
24167 \def\@sarray[#1]#2{%
24168   \bgroup
24169   \setbox\@arstrutbox\hbox{%
24170     \vrule \@height\arraystretch\ht\strutbox
24171     \@depth\arraystretch \dp\strutbox
24172     \@width\z}%
24173   \@mkpream{#2}%
24174   \edef\@preamble{%
24175     \ialign \noexpand\@halignto
24176       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
24177   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24178   \let\@tabularnewline\%
24179   \let\@sharp##%
24180   \set@typeset@protect
24181   \lineskip\z@skip\baselineskip\z@skip
24182   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
24183   \@preamble}

```

147 File subfigure-xetex-bidi.def

```

24184 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure packa

```



```

24185 \AtBeginDocument{%
24186 \let\p@subfigure=\thefigure
24187 \let\p@subtable=\thetable%
24188 }

```

148 File tabs-xetex-bidi.def

```

24189 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for X
24190 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
24191
24192 \expandafter\let\csname endtabular*\endcsname=\endtabular
24193
24194 \def\endarray{\ifvmode\csname crr\endcsname % just do \crr if \ given
24195 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
24196 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
24197
24198 \def\array[#1]#2{% remember global variables to allow recursion:
24199 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
24200 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
24201 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
24202 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
24203 \else \let\@tarlinesep\tablinesep \fi
24204 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
24205 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
24206 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
24207 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
24208 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
24209 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
24210 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
24211 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
24212 \let\protect\noexpand
24213 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
24214 \unhcopy\@arstrutbox \preamble \tabskip\z@skip &\@sharp \cr}%
24215 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24216 \if#1t\top \else \if#1b\bottom \else \vcenter \fi\fi
24217 \bgroup \let\par\empty
24218 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
24219 \advance\extrarulesep.5\arrayrulewidth
24220 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
24221 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \bottom \fi\bgroup\fi
24222 \preamble}

```

149 File tabularx-xetex-bidi.def

```

24223 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package
24224 \def\TX@endtabularx{%
24225 \expandafter\expandafter\expandafter
24226 \TX@find@endtabularxa\csname end\TX@\endcsname
24227 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
24228 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
24229 \let\verb\TX@verb
24230 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
24231 \edef\TX@ckpt{\cl@ckpt}%
24232 \let\@elt\relax

```



```

24233 \TX@old@table\maxdimen
24234 \TX@col@width\TX@target
24235 \global\TX@cols\@ne
24236 \TX@typeout@
24237 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
24238 \TX@trial{\def\NC@rewrite@X{%
24239     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
24240 \loop
24241     \TX@arith
24242     \ifTX@
24243     \TX@trial{}%
24244 \repeat
24245 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
24246 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
24247 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
24248 \csname tabular*\expandafter\endcsname\expandafter\TX@target
24249     \the\toks@
24250     \csname endtabular*\endcsname}%
24251 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
24252 \ifnum0=`{\fi}%
24253 \expandafter\expandafter\expandafter
24254 \TX@find@endtabularxbb
24255 \expandafter\end\expandafter{\TX@}%
24256 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
24257 }
24258
24259 \def\TX@trial#1{%
24260 \setbox\@tempboxa\hbox{%
24261     #1\relax
24262 \let\@footnotetext\TX@trial@ftn
24263 \let\@LTRfootnotetext\TX@trial@ftn
24264 \let\@RTLfootnotetext\TX@trial@ftn
24265 \let\TX@vwarn\@empty
24266 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
24267 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
24268 \def\write{\begingroup
24269     \def\let{\afterassignment\endgroup\toks@}%
24270     \afterassignment\let\count@}%
24271 \hbadness\@M
24272 \hfuzz\maxdimen
24273 \let\hbadness\@tempcnta
24274 \let\hfuzz\@tempdima
24275 \expandafter\tabular\the\toks@
24276 \endtabular}%
24277 \TX@ckpt
24278 \TX@typeout@{\@spaces
24279     \expandafter\TX@align
24280     \the\wd\@tempboxa\space\space\space\space\space\@@
24281     \expandafter\TX@align
24282     \the\TX@col@width\space\space\space\space\space\@@
24283     \@spaces\the\TX@cols}}
24284
24285 \long\def\TX@LTRftntext#1{%
24286 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext

```



```

24287         [\the\csname c@\mpfn\endcsname]}%
24288 \global\TX@ftn\expandafter{\@tempa{#1}}}%
24289 \long\def\TX@xLTRftntext[#1]#2{%
24290 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}
24291
24292 \long\def\TX@RTLftntext#1{%
24293 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
24294         [\the\csname c@\mpfn\endcsname]}%
24295 \global\TX@ftn\expandafter{\@tempa{#1}}}%
24296 \long\def\TX@xRTLftntext[#1]#2{%
24297 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}

```

150 File tabulary-xetex-bidi.def

```

24298 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package
24299 \def\@testpach{\@chclass
24300 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
24301 \ifnum \@lastchclass=7 5 \else
24302 \ifnum \@lastchclass=8 \tw@ \else
24303 \ifnum \@lastchclass=9 \thr@@
24304 \else \z@
24305 \ifnum \@lastchclass = 10 \else
24306 \edef\@nextchar{\expandafter\string\@nextchar}%
24307 \@chnum
24308 \if \@nextchar c\z@ \else
24309 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
24310 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
24311 \if \@nextchar C7 \else
24312 \if \@nextchar L8 \else
24313 \if \@nextchar R9 \else
24314 \if \@nextchar J10 \else
24315 \z@ \@chclass
24316 \if \@nextchar |\@ne \else
24317 \if \@nextchar !6 \else
24318 \if \@nextchar @7 \else
24319 \if \@nextchar <8 \else
24320 \if \@nextchar >9 \else
24321 10
24322 \@chnum
24323 \if \@nextchar m\thr@@\else
24324 \if \@nextchar p4 \else
24325 \if \@nextchar b5 \else
24326 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
24327 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

151 File tc-xetex-bidi.def

```

24328 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
24329 \def\@cliptoboxdim#1{%
24330 \setbox#1=\hbox{%
24331 \Gin@defaultbp\WIDTH{\wd#1}%
24332 \Gin@defaultbp\DEPTH{\dp#1}%
24333 \@tempdima\ht#1%
24334 \advance\@tempdima\dp#1%

```




```

24335     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
24336     \beginL\special{pdf:bcontent }%
24337     \special{%
24338         pdf:literal direct
24339         0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
24340     }%
24341     \special{pdf:literal direct W }%
24342     \special{pdf:literal direct n }%
24343     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
24344     \special{pdf:econtent }\endL%
24345 }%
24346 }

```

152 File tcolorbox-xetex-bidi.def

```

24347 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
24348 \let\endtcblrbox=\endminipage
24349 \let\endtcbsavebox=\endtcblrbox
24350
24351 \bidi@patchcmd\tcb@vbox}{%
24352   \let\@footnotetext\@mpfootnotetext%
24353 }{%
24354   \let\@footnotetext\@mpfootnotetext%
24355   \let\@LTRfootnotetext\@mpLTRfootnotetext%
24356   \let\@RTLfootnotetext\@mpRTLfootnotetext%
24357 }{}{}
24358
24359 \bidi@patchcmd\endtcbsavebox}{%
24360   \footnoterule%
24361 }{%
24362   \bidi@mpfootnoterule%
24363 }{}{}
24364 \bidi@apptocmd\tcb@icolorbox{%
24365   \@bidi@list@minipage@parboxfalse
24366 }{}{}

```

153 File titlesec-xetex-bidi.def

```

24367 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package
24368 \renewcommand\filright{%
24369   \gdef\ttl@filleft##1{\hskip##1}%
24370   \gdef\ttl@filright##1{\hfill}%
24371   \let\\\@centercr
24372   \advance\rightskip\z@ \@plus 1fil
24373   \parfillskip\z@}
24374 \def\ttlhang#1#2#3#4#5#6#7#8{%
24375   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
24376   \setlength\leftskip{#6}%
24377   \setlength\rightskip{#7}%
24378   \interlinepenalty\@M
24379   \ttl@changecentercr
24380   \ttl@beginlongest
24381   #1\ifhmode\ttl@hmode@error\fi
24382   \ttl@glcmds

```



```

24383 \parindent\z@
24384 \leavevmode
24385 \begingroup
24386 \ifttl@label
24387 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
24388 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
24389 \llap{\box\z@}%
24390 \fi
24391 #4{#8}%
24392 \kern\z@\strut\@par
24393 \endgroup
24394 \nobreak\ttl@midlongest#5\@par}%
24395 \ttl@endlongest}

```

154 File `titletoc-xetex-bidi.def`

```

24396 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
24397 \renewcommand\filright{%
24398 \gdef\ttl@filleft##1{\hskip##1}%
24399 \gdef\ttl@filright##1{\hfill}%
24400 \let\@centercr
24401 \advance\rightskip\z@ \@plus 1fil
24402 \parfillskip\z@}
24403 \renewcommand\contentspush[1]{%
24404 \sbox\z@{#1}%
24405 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
24406 \aftergroup\ttl@b
24407 \leavevmode\llap{\box\z@}}
24408 \def\ttl@outnoblock#1#2#3{%
24409 \begingroup
24410 \ifnum\ttl@b>\ttl@a
24411 \nobreak
24412 \else\ifnum\ttl@b<\ttl@a
24413 \addpenalty{\@secpenalty}%
24414 \else
24415 \addpenalty{\z@}%
24416 \fi\fi
24417 \ttl@contentsstretch
24418 \nobreak
24419 \ifcase#1\relax\else\interlinepenalty\@M\fi
24420 \parindent\z@
24421 \ifx\@nil#2%
24422 \PackageError{titletoc}{Unimplemented}%
24423 {The optional argument is currently mandatory}%
24424 \else
24425 \if@RTL\setlength\rightskip{#2}\else
24426 \setlength\leftskip{#2}\fi%
24427 \fi
24428 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
24429 \let\contentsmargin\ttl@margin
24430 \def\ttl@makeline##1{##1}%
24431 #3%
24432 \addtolength{\parfillskip}{-\ttl@corr}%
24433 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%

```



```

24434 \let\ttl@leaders\leaders}
24435 \renewcommand\ttl@margin[2][\z@]{%
24436   \def\ttl@corr{#1}%
24437   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
24438   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
24439   \def\@pnumwidth{#2}}
24440 \let\ttl@savel@part\l@part
24441 \def\l@part{\ttl@lselect{part}}
24442
24443 \let\ttl@savel@chapter\l@chapter
24444 \def\l@chapter{\ttl@lselect{chapter}}

```

155 File tocbibind-xetex-bidi.def

```

24445 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind packa
24446 \if@dotocbib
24447   \@ifpackageloaded{natbib}{}{% natbib not loaded
24448     \renewcommand{\bibsection}{\t@cb@bchapsec}
24449     \renewenvironment{thebibliography}[1]{%
24450       \bibsection
24451       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
24452   \renewenvironment{thebibitemlist}[1]{
24453     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
24454     \bidi@thebibliography@font@hook%
24455     \list{\@biblabel{\@arabic{c@enumiv}}%
24456           {\settowidth\labelwidth{\@biblabel{#1}}%
24457            \leftmargin\labelwidth
24458            \advance\leftmargin\labelsep
24459            \@openbib@code
24460            \usecounter{enumiv}%
24461            \let\p@enumiv\@empty
24462            \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
24463     \sloppy
24464     \clubpenalty4000
24465     \@clubpenalty \clubpenalty
24466     \widowpenalty4000%
24467     \sfcode\.\@m}
24468   {\def\@noitemerr
24469     {\@latex@warning{Empty `thebibliography' environment}}}%
24470   \endlist}
24471
24472   \@ifpackagewith{chapterbib}{sectionbib}{%
24473     {\renewcommand{\sectionbib}[2]{}%
24474     {}
24475
24476   \fi
24477   \if@inltxdoc\else
24478     \renewenvironment{theindex}%
24479       {\if@twocolumn
24480        \@restonecolfalse
24481        \else
24482        \@restonecoltrue
24483        \fi
24484     \if@bibchapter

```



```

24485     \if@donumindex
24486         \refstepcounter{chapter}
24487         \twocolumn[\vspace*{2\topskip}%
24488             \@makechapterhead{\indexname}]%
24489         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
24490         \chaptermark{\indexname}
24491     \else
24492         \if@dotocind
24493             \twocolumn[\vspace*{2\topskip}%
24494                 \@makeschapterhead{\indexname}]%
24495             \prw@mkboth{\indexname}
24496             \addcontentsline{toc}{chapter}{\indexname}
24497         \else
24498             \twocolumn[\vspace*{2\topskip}%
24499                 \@makeschapterhead{\indexname}]%
24500             \prw@mkboth{\indexname}
24501         \fi
24502     \fi
24503 \else
24504     \if@donumindex
24505         \twocolumn[\vspace*{-1.5\topskip}%
24506             \@nameuse{\@tocextra}{\indexname}]%
24507         \csname \@tocextra mark\endcsname{\indexname}
24508     \else
24509         \if@dotocind
24510             \twocolumn[\vspace*{-1.5\topskip}%
24511                 \toc@headstar{\@tocextra}{\indexname}]%
24512             \prw@mkboth{\indexname}
24513             \addcontentsline{toc}{\@tocextra}{\indexname}
24514         \else
24515             \twocolumn[\vspace*{-1.5\topskip}%
24516                 \toc@headstar{\@tocextra}{\indexname}]%
24517             \prw@mkboth{\indexname}
24518         \fi
24519     \fi
24520 \fi
24521 \thispagestyle{plain}\parindent\z@
24522 \parskip\z@ \@plus .3\p@\relax
24523 \let\item\@idxitem}
24524 {\if@restonecol\onecolumn\else\clearpage\fi}
24525 \fi

```

156 File tocloft-xetex-bidi.def

```

24526 \ProvidesFile{tocloft-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for tocloft package f
24527 \renewcommand{\cftpnumalign}{\if@RTL l\else r\fi}
24528 \let\cftdot\@SepMark
24529 \if@cfthaspart
24530 \renewcommand*{\l@part}[2]{
24531     \@cftdopartfalse
24532     \ifnum \c@tocdepth >-2\relax
24533         \if@cfthaschapter
24534             \@cftdoparttrue
24535         \fi

```



```

24536 \ifnum \c@tocdepth >\m@ne
24537 \ifcfthaschapter\else
24538 \cftdoparttrue
24539 \fi
24540 \fi
24541 \fi
24542 \if@cftdopart
24543 \ifcfthaschapter
24544 \addpenalty{-\@highpenalty}
24545 \else
24546 \addpenalty\@secpenalty
24547 \fi
24548 \addvspace{\cftbeforepartskip}
24549 \begingroup
24550 {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
24551 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
24552 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24553 \parindent \cftpartindent\relax\@afterindenttrue
24554 \interlinepenalty\@M
24555 \leavevmode
24556 \@tempdima \cftpartnumwidth\relax
24557 \let\@cftbsnum \cftpartpresnum
24558 \let\@cftasnum \cftpartaftersnum
24559 \let\@cftasnumb \cftpartaftersnumb
24560 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
24561 {\cftpartfont \cftpartpresnum #1}
24562 \cftpartfillnum{#2}}
24563 \nobreak
24564 \ifcfthaschapter
24565 \global\@nobreaktrue
24566 \everypar{\global\@nobreakfalse\everypar{}}
24567 \else
24568 \if@compatibility
24569 \global\@nobreaktrue
24570 \everypar{\global\@nobreakfalse\everypar{}}
24571 \fi
24572 \fi
24573 \endgroup
24574 \fi}
24575 \fi
24576 \ifcfthaschapter
24577 \renewcommand*{\l@chapter}[2]{
24578 \ifnum \c@tocdepth >\m@ne
24579 \addpenalty{-\@highpenalty}
24580 \vskip \cftbeforechapskip
24581 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
24582 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
24583 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24584 \parindent \cftchapindent\relax\@afterindenttrue
24585 \interlinepenalty\@M
24586 \leavevmode
24587 \@tempdima \cftchapnumwidth\relax
24588 \let\@cftbsnum \cftchappresnum
24589 \let\@cftasnum \cftchapaftersnum

```



```

24590     \let\@cftasnumb \cftchapaftersnumb
24591     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24592     {\cftchapfont #1}\nobreak
24593     \cftchapfillnum{#2}}
24594 \fi}
24595 \fi
24596 \renewcommand*{\l@section}[2]{%
24597 \ifnum \c@tocdepth >\z@
24598 \if@cfthaschapter
24599 \vskip \cftbeforesecskip
24600 \else
24601 \addpenalty\@secpenalty
24602 \addvspace{\cftbeforesecskip}
24603 \fi
24604 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
24605 \if@RTL\leftskip\else\rightskip\fi \@toCRMarg
24606 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24607 \parindent \cftsecindent\relax\@afterindenttrue
24608 \interlinepenalty\@M
24609 \leavevmode
24610 \@tempdima \cftsecnumwidth\relax
24611 \let\@cftbsnum \cftsecpresnum
24612 \let\@cftasnum \cftsecaftersnum
24613 \let\@cftasnumb \cftsecaftersnumb
24614 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24615 {\cftsecfont #1}\nobreak
24616 \cftsecfillnum{#2}}
24617 \fi}
24618 \renewcommand*{\l@subsection}[2]{%
24619 \ifnum \c@tocdepth >\@ne
24620 \vskip \cftbeforesubsecskip
24621 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
24622 \if@RTL\leftskip\else\rightskip\fi \@toCRMarg
24623 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24624 \parindent \cftsubsecindent\relax\@afterindenttrue
24625 \interlinepenalty\@M
24626 \leavevmode
24627 \@tempdima \cftsubsecnumwidth\relax
24628 \let\@cftbsnum \cftsubsecpresnum
24629 \let\@cftasnum \cftsubsecaftersnum
24630 \let\@cftasnumb \cftsubsecaftersnumb
24631 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24632 {\cftsubsecfont #1}\nobreak
24633 \cftsubsecfillnum{#2}}
24634 \fi}
24635 \renewcommand*{\l@subsubsection}[2]{%
24636 \ifnum \c@tocdepth >\tw@
24637 \vskip \cftbeforesubsubsecskip
24638 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
24639 \if@RTL\leftskip\else\rightskip\fi \@toCRMarg
24640 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24641 \parindent \cftsubsubsecindent\relax\@afterindenttrue
24642 \interlinepenalty\@M
24643 \leavevmode

```



```

24644 \@tempdima \cftsubsubsecnumwidth\relax
24645 \let\@cftbsnum \cftsubsubsecpresnum
24646 \let\@cftasnum \cftsubsubsecaftersnum
24647 \let\@cftasnumb \cftsubsubsecaftersnumb
24648 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24649 {\cftsubsubsecfont #1}\nobreak
24650 \cftsubsubsecfillnum{#2}}
24651 \fi}
24652 \renewcommand*\l@paragraph}[2]{%
24653 \ifnum \c@tocdepth >3\relax
24654 \vskip \cftbeforeparaskip
24655 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
24656 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24657 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24658 \parindent \cftparaindent\relax\@afterindenttrue
24659 \interlinepenalty\@M
24660 \leavevmode
24661 \@tempdima \cftparanumwidth\relax
24662 \let\@cftbsnum \cftparapresnum
24663 \let\@cftasnum \cftparaaftersnum
24664 \let\@cftasnumb \cftparaaftersnumb
24665 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24666 {\cftparafont #1}\nobreak
24667 \cftparafillnum{#2}}
24668 \fi}
24669 \renewcommand*\l@subparagraph}[2]{%
24670 \ifnum \c@tocdepth >4\relax
24671 \vskip \cftbeforeparaskip
24672 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
24673 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24674 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24675 \parindent \cftsubparaindent\relax\@afterindenttrue
24676 \interlinepenalty\@M
24677 \leavevmode
24678 \@tempdima \cftsubparanumwidth\relax
24679 \let\@cftbsnum \cftsubparapresnum
24680 \let\@cftasnum \cftsubparaaftersnum
24681 \let\@cftasnumb \cftsubparaaftersnumb
24682 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24683 {\cftsubparafont #1}\nobreak
24684 \cftsubparafillnum{#2}}
24685 \fi}
24686 \renewcommand*\l@figure}[2]{%
24687 \ifnum \c@lofdepth >\z@
24688 \vskip \cftbeforefigskip
24689 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
24690 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24691 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24692 \parindent \cftfigindent\relax\@afterindenttrue
24693 \interlinepenalty\@M
24694 \leavevmode
24695 \@tempdima \cftfignumwidth\relax
24696 \let\@cftbsnum \cftfigpresnum
24697 \let\@cftasnum \cftfigaftersnum

```



```

24698 \let\@cftasnumb \cftfigaftersnumb
24699 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24700 {\cftfigfont #1}\nobreak
24701 \cftfigfillnum{#2}}
24702 \fi
24703 }
24704 \renewcommand*\l@table}[2]{%
24705 \ifnum\c@lotdepth >\z@
24706 \vskip \cftbeforetabskip
24707 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
24708 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24709 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24710 \parindent \cfttabindent\relax\@afterindenttrue
24711 \interlinepenalty\@M
24712 \leavevmode
24713 \@tempdima \cfttabnumwidth\relax
24714 \let\@cftbsnum \cfttabpresnum
24715 \let\@cftasnum \cfttabaftersnum
24716 \let\@cftasnumb \cfttabaftersnumb
24717 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24718 {\cfttabfont #1}\nobreak
24719 \cfttabfillnum{#2}}
24720 \fi
24721 }
24722 \renewcommand{\@cftl@subfig}{
24723 \renewcommand*\l@subfigure}[2]{%
24724 \ifnum \c@lofdepth > \toclevel@subfigure
24725 \vskip \cftbeforesubfigskip
24726 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
24727 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24728 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24729 \parindent \cftsubfigindent\relax\@afterindenttrue
24730 \interlinepenalty\@M
24731 \leavevmode
24732 \@tempdima \cftsubfignumwidth\relax
24733 \let\@cftbsnum \cftsubfigpresnum
24734 \let\@cftasnum \cftsubfigaftersnum
24735 \let\@cftasnumb \cftsubfigaftersnumb
24736 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24737 {\cftsubfigfont ##1}\nobreak
24738 \cftsubfigfillnum{##2}}
24739 \fi
24740 }
24741 }
24742 \renewcommand{\@cftl@subtab}{
24743 \renewcommand*\l@subtable}[2]{%
24744 \ifnum \c@lotdepth > \toclevel@subtable
24745 \vskip \cftbeforesubtabskip
24746 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
24747 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24748 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24749 \parindent \cftsubtabindent\relax\@afterindenttrue
24750 \interlinepenalty\@M
24751 \leavevmode

```




```

24752 \@tempdima \cftsubtabnumwidth\relax
24753 \let\@cftbsnum \cftsubtabpresnum
24754 \let\@cftasnum \cftsubtabaftersnum
24755 \let\@cftasnumb \cftsubtabaftersnumb
24756 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24757 {\cftsubtabfont ##1}\nobreak
24758 \cftsubtabfillnum{##2}}
24759 \fi
24760 }
24761 }
24762 \renewcommand{\newlistentry}[4][\@empty]{%
24763 \ifundefined{c@#2}{% check & set the counter
24764 \ifx \@empty#1\relax
24765 \newcounter{#2}
24766 \else
24767 \ifundefined{c@#1}{\PackageWarning{tocloft}%
24768 {#1 has no counter for use as a `within'}
24769 \newcounter{#2}}%
24770 {\newcounter{#2}[#1]%
24771 \expandafter\edef\csname the#2\endcsname{%
24772 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
24773 \fi
24774 \setcounter{#2}{0}
24775 }
24776 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
24777
24778 \@namedef{l@#2}##1##2{%
24779 \ifnum \@nameuse{c@#3depth} > #4\relax
24780 \vskip \@nameuse{cftbefore#2skip}
24781 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
24782 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24783 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24784 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
24785 \interlinepenalty\@M
24786 \leavevmode
24787 \@tempdima \@nameuse{cft#2numwidth}\relax
24788 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
24789 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
24790 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
24791 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\right
24792 {\@nameuse{cft#2font}##1}\nobreak
24793 \@nameuse{cft#2fillnum}{##2}}
24794 \fi
24795 } % end of l@#2
24796
24797 \expandafter\newlength\csname cftbefore#2skip\endcsname
24798 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
24799 \expandafter\newlength\csname cft#2indent\endcsname
24800 \expandafter\newlength\csname cft#2numwidth\endcsname
24801 \ifcase #4\relax % 0
24802 \setlength{\@nameuse{cft#2indent}}{0em}
24803 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
24804 \or % 1
24805 \setlength{\@nameuse{cft#2indent}}{1.5em}

```



```

24806 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
24807 \or % 2
24808 \setlength{\@nameuse{cft#2indent}}{3.8em}
24809 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
24810 \or % 3
24811 \setlength{\@nameuse{cft#2indent}}{7.0em}
24812 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
24813 \else % anything else
24814 \setlength{\@nameuse{cft#2indent}}{10.0em}
24815 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
24816 \fi
24817 \@namedef{cft#2font}{\normalfont}
24818 \@namedef{cft#2presnum}{}
24819 \@namedef{cft#2aftersnum}{}
24820 \@namedef{cft#2aftersnumb}{}
24821 \@namedef{cft#2dotsep}{\cftdotsep}
24822 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
24823 \@namedef{cft#2pagefont}{\normalfont}
24824 \@namedef{cft#2afterpnum}{}
24825 \@namedef{toclevel@#2}{#4}
24826 \@namedef{cft#2fillnum}##1{%
24827 {\@nameuse{cft#2leader}}\nobreak
24828 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
24829 } % end \newlistentry
24830 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
24831 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
24832 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
24833 \if@RTL\leftskip\else\righskip\fi \@tocmarg\relax
24834 \textit{#1}\protect\par}}}

```

157 File tocbasic-xetex-bidi.def

```

24835 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic package]
24836 \bidi@undef\scr@dte@def@1@undottedtocline
24837 \bidi@undef\scr@dte@undottedtocline@init
24838 \DeclareTOCEntryStyle{undottedtocline}[{%
24839 \DefineTOCEntryLengthOption{indent}%
24840 {\scr@tso@}{@indent}{entry indent}%
24841 \DefineTOCEntryLengthOption{numwidth}%
24842 {\scr@tso@}{@numwidth}{entry number width}%
24843 \@ifundefined{#1tocdepth}{%
24844 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24845 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24846 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24847 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24848 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24849 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24850 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24851 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24852 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24853 \expandafter\let\csname #1tocdepth\expandafter\endcsname
24854 \csname #1numdepth\endcsname
24855 }%
24856 }%

```



```

24857         }%
24858     }%
24859 }%
24860 }%
24861 }%
24862 }%
24863 }%
24864 }{}%
24865 \@ifundefined{scr@tso@#1@indent}{%
24866     \@ifundefined{scr@#1@tocindent}{%
24867         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24868             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24869                 \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24870                     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24871                         \scr@ifundefinedorrelax{l@chapter}{%
24872                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
24873                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24874                                     \Ifstr{#1}{subsubsection}{%
24875                                         \@namedef{scr@tso@#1@indent}{3.8em}}%
24876                                     }{%
24877                                         \Ifstr{#1}{paragraph}{%
24878                                             \@namedef{scr@tso@#1@indent}{7em}}%
24879                                         }{%
24880                                             \Ifstr{#1}{subparagraph}{%
24881                                                 \@namedef{scr@tso@#1@indent}{10em}}%
24882                                             }{%
24883                                                 }%
24884                                             }%
24885                                         }%
24886                                     }%
24887                                 }%
24888                             }{}%
24889                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24890                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24891                                     \Ifstr{#1}{subsubsection}{%
24892                                         \@namedef{scr@tso@#1@indent}{7.0em}}%
24893                                     }{%
24894                                         \Ifstr{#1}{paragraph}{%
24895                                             \@namedef{scr@tso@#1@indent}{10em}}%
24896                                         }{%
24897                                             \Ifstr{#1}{subparagraph}{%
24898                                                 \@namedef{scr@tso@#1@indent}{12em}}%
24899                                             }{%
24900                                                 }%
24901                                             }%
24902                                         }%
24903                                     }%
24904                                 }%
24905                             }%
24906                         }%
24907                     }%
24908                 }%
24909             }%
24910         }{}%

```



```

24911     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24912     }%
24913   }-%
24914 \@ifundefined{scr@tso@#1@numwidth}{%
24915   \@ifundefined{scr@#1@tocnumwidth}{%
24916     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24917     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24918     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24919     \scr@ifundefinedorrelax{chapter}{%
24920     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24921     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24922     \Ifstr{#1}{subsubsection}{%
24923     \@namedef{scr@tso@#1@numwidth}{3.2em}%
24924     }-%
24925     \Ifstr{#1}{paragraph}{%
24926     \@namedef{scr@tso@#1@numwidth}{4.1em}%
24927     }-%
24928     \Ifstr{#1}{subparagraph}{%
24929     \@namedef{scr@tso@#1@numwidth}{5em}%
24930     }-%
24931     }%
24932     }%
24933     }%
24934     }%
24935     }%
24936   }-%
24937   \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24938   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
24939   \Ifstr{#1}{subsubsection}{%
24940   \@namedef{scr@tso@#1@numwidth}{3.1em}%
24941   }-%
24942   \Ifstr{#1}{paragraph}{%
24943   \@namedef{scr@tso@#1@numwidth}{5em}%
24944   }-%
24945   \Ifstr{#1}{subparagraph}{%
24946   \@namedef{scr@tso@#1@numwidth}{6em}%
24947   }-%
24948   }%
24949   }%
24950   }%
24951   }%
24952   }%
24953   }%
24954   }%
24955   }%
24956   }%
24957   }-%
24958   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
24959   }%
24960 }-%
24961 }-%
24962 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
24963   \ifnum \@nameuse{#1tocdepth}<\@ne
24964     \scr@ifundefinedorrelax{chapter}{%

```



```

24965     \addpenalty\@secpenalty
24966     \addvspace{1.0em \@plus\p@}%
24967   }{%
24968     \addpenalty{-\@highpenalty}%
24969     \vskip 1.0em \@plus\p@
24970   }%
24971 \else
24972   \addpenalty\@secpenalty
24973   \addvspace{1.0em \@plus\p@}%
24974 \fi
24975 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
24976 \begingroup
24977   \parindent \z@ \bidi@rightskip \@pnumwidth
24978   \parfillskip -\@pnumwidth
24979   \leavevmode
24980   \bfseries
24981   \advance\bidi@leftskip\@tempdima
24982   \iftocfeature{\@currentt}{noindent}{%
24983     \hskip -\bidi@leftskip
24984   }{%
24985     \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
24986     \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
24987   }%
24988   ##1%
24989   \nobreak
24990   \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24991   \par
24992   \penalty\@highpenalty
24993 \endgroup
24994 \fi
24995 }
24996
24997 \bidi@undef\scr@dte@def@1@targetocline
24998 \bidi@undef\scr@dte@targetocline@init
24999 \DeclareTOCEntryStyle{targetocline}[%
25000   \DefineTOCEntryLengthOption{indent}%
25001   {scr@tso@}{@indent}{entry indent}%
25002   \@ifundefined{#1tocdepth}{%
25003     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
25004     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
25005     \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
25006     \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
25007     \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
25008     \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
25009     \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
25010     \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
25011     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
25012       \expandafter\let\csname #1tocdepth\expandafter\endcsname
25013         \csname #1numdepth\endcsname
25014     }%
25015   }%
25016 }%
25017 }%
25018 }%

```



```

25019     }%
25020     }%
25021     }%
25022     }%
25023 }{}%
25024 \@ifundefined{scr@tso@#1@indent}{%
25025   \@ifundefined{scr@#1@tocindent}{%
25026     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25027       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25028         \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
25029           \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
25030             \scr@ifundefinedorrelax{1@chapter}{%
25031               \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
25032                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25033                   \Ifstr{#1}{subsection}{%
25034                     \@namedef{scr@tso@#1@indent}{3.8em}%
25035                   }{%
25036                     \Ifstr{#1}{paragraph}{%
25037                       \@namedef{scr@tso@#1@indent}{7em}%
25038                     }{%
25039                       \Ifstr{#1}{subparagraph}{%
25040                         \@namedef{scr@tso@#1@indent}{10em}%
25041                       }{%
25042                         }%
25043                       }%
25044                     }%
25045                   }%
25046                 }%
25047               }{}%
25048             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25049               \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25050                 \Ifstr{#1}{subsubsection}{%
25051                   \@namedef{scr@tso@#1@indent}{7.0em}%
25052                 }{%
25053                   \Ifstr{#1}{paragraph}{%
25054                     \@namedef{scr@tso@#1@indent}{10em}%
25055                   }{%
25056                     \Ifstr{#1}{subparagraph}{%
25057                       \@namedef{scr@tso@#1@indent}{12em}%
25058                     }{%
25059                       }%
25060                     }%
25061                   }%
25062                 }%
25063               }%
25064             }%
25065           }%
25066         }%
25067       }%
25068     }%
25069   }{}%
25070   \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25071   }%
25072 }{}%

```



```

25073 }]{%
25074 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
25075   \ifnum \@nameuse{#1tocdepth}<\@ne
25076     \scr@ifundefinedorrelax{chapter}{%
25077       \addpenalty\@secpenalty
25078       \addvspace{2.25em \@plus\p@}%
25079     }{%
25080       \addpenalty{-\@highpenalty}%
25081       \addvspace{2.25em \@plus\p@}%
25082     }%
25083   \else
25084     \addpenalty\@secpenalty
25085     \addvspace{2.25em \@plus\p@}%
25086   \fi
25087   \setlength\@tempdima{3em}%
25088   \beginingroup
25089     \parindent \z@ \bidi@rightskip \@pnumwidth
25090     \parfillskip -\@pnumwidth
25091     \leavevmode
25092     \large
25093     \bfseries
25094     \IfTocFeature{\@currentx}{noindent}{%
25095     }{%
25096       \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
25097     }%
25098     ##1%
25099     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
25100     \par
25101     \nobreak
25102     \ifnum 0=
25103       \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
25104       \global\@nobreaktrue
25105       \everypar{\global\@nobreakfalse\everypar{}}%
25106     \fi
25107     \endgroup
25108   \fi
25109 }
25110
25111 \renewcommand*{\scr@dte@tocline}[3]{%
25112   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
25113   \else
25114     \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
25115     \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
25116     \@nameuse{Ifscr@tso@#1@dynindent}{%
25117       \expandafter\ifx\curname scr@tso@#1@indentfollows\endcurname\@empty
25118       \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
25119     \else
25120       \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
25121       \@for \reserved@a:=\reserved@a\do {%
25122         \scr@trim@spaces\reserved@a
25123         \ifx\reserved@a\@empty\else
25124           \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
25125           }{%
25126             \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%

```



```

25127         \@tempdima \@nameuse{scr@tso@\reserved@a @indent}\relax
25128         \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
25129             \scr@ifundefinedorrelax
25130             {scr@dte@\reserved@a @lastmaxnumwidth}{%
25131                 \advance\@tempdima
25132                 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25133             }{%
25134                 \advance\@tempdima
25135                 \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
25136             }%
25137         }{%
25138             \advance\@tempdima
25139             \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25140         }%
25141         \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
25142             \expandafter\edef\csname scr@tso@#1@indent\endcsname
25143             {\the\@tempdima}%
25144         \fi
25145     \fi
25146 }%
25147 \fi
25148 }%
25149 \fi
25150 }{%
25151 {%
25152     \Iftocfeature{\@currentx}{noindent}{%
25153         \bidi@leftskip \z@
25154     }{%
25155         \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
25156     }%
25157     \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
25158     \parfillskip -\bidi@rightskip
25159     \@nameuse{Ifscr@tso@#1@raggedpage}{%
25160         \addtolength{\parfillskip}{\z@ \@plus 1fil}%
25161     }{%
25162     \Iftocfeature{\@currentx}{noindent}{%
25163         \parindent \z@
25164     }{%
25165         \parindent \@nameuse{scr@tso@#1@indent}\relax
25166     }%
25167     \@afterindenttrue
25168     \interlinepenalty\M
25169     \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
25170         \addtolength\bidi@rightskip\@flushglue
25171     \else
25172         \def\reserved@a{\raggedright}%
25173         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25174             \addtolength\bidi@rightskip\@flushglue
25175         \else
25176             \renewcommand\reserved@a{\raggedright}%
25177             \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25178                 \addtolength\bidi@rightskip\@flushglue
25179             \fi
25180         \fi

```




```

25181 \fi
25182 \leavevmode
25183 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
25184 \@nameuse{Ifscr@tso@#1@dynnumwidth}{-}{%
25185   \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{-}{%
25186     \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
25187       \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
25188     \fi
25189   }%
25190 }-}{%
25191 \advance\bidil@leftskip \@tempdima
25192 \null\nobreak\hskip -\bidil@leftskip
25193 {-%
25194   \usetocbasicnumberline
25195   \let\scr@dte@numberline@box\numberline@box
25196   \def\numberline@box##1{%
25197     \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25198     \global\scr@dte@tocline@numberwidth
25199     \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
25200     \relax
25201     \ifdim \scr@dte@tocline@numberwidth
25202       >\@nameuse{scr@dte@#1@maxnumwidth}\relax
25203     \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
25204     \fi
25205     \@nameuse{Ifscr@tso@#1@dynnumwidth}{-}{%
25206       \ifdim \scr@dte@tocline@numberwidth
25207         >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
25208           +\@nameuse{scr@tso@#1@numsep}\relax\relax
25209         \PackageWarning{tocbasic}{-%
25210           number width of #1 toc entries should be
25211           increased!\MessageBreak
25212           Currently used number width =
25213           \the\wd\scr@dte@tocline@numbox,\MessageBreak
25214           Wanted number separation
25215           \space\space\space =
25216           \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
25217           Reserved number width \space\space\space\space\space =
25218           \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
25219         }%
25220         \fi
25221       }%
25222       \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25223       \@nameuse{Ifscr@tso@#1@breakafternumber}{-}{%
25224         {\parfillskip\@flushglue\par}\nobreak\hskip-\bidil@leftskip
25225       }-}{%
25226     }%
25227     {\@nameuse{scr@tso@#1@entryformat}{-}{%
25228       #2%
25229       \nobreak
25230       {-%
25231         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
25232         \nobreak
25233         \expandafter\let\expandafter\scr@dte@pagenumberwidth
25234         \csname scr@tso@#1@pagenumberwidth\endcsname

```



```

25235         \@nameuse{scr@tso@#1@pagenumberbox}{%
25236             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
25237         }%
25238     }%
25239 }}\@par
25240 }%
25241 }%
25242 \tocbasic@SetPenaltyByTOCLevel{#1}%
25243 \fi
25244 }
25245
25246
25247 \bidi@undef\scr@dte@def@1@tocline
25248 \bidi@undef\scr@dte@tocline@init
25249 \DeclareTOCEntryStyle{tocline}[{%
25250     \DefineTOCEntryLengthOption{beforeskip}%
25251     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
25252     \DefineTOCEntryIfOption{breakafternumber}%
25253     {scr@tso@}{@breakafternumber}{line break after number flag}%
25254     \DefineTOCEntryIfOption{dynnumwidth}%
25255     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
25256     \DefineTOCEntryListOption{indentfollows}%
25257     {scr@tso@}{@indentfollows}{list of levels that define the indent}%
25258     \DefineTOCEntryIfOption{dynindent}%
25259     {scr@tso@}{@dynindent}{dynamic indent width flag}%
25260     \DefineTOCEntryCommandOption{entryformat}%
25261     {scr@tso@}{@entryformat}[1]{entry format}%
25262     \DefineTOCEntryCommandOption{entrynumberformat}%
25263     {scr@tso@}{@numberformat}[1]{entry number format}%
25264     \DefineTOCEntryCommandOption{linefill}[{\TOCLineLeaderFill}]%
25265     {scr@tso@}{@linefill}{filling between text and page number}%
25266     \DefineTOCEntryLengthOption{numsep}%
25267     {scr@tso@}{@numsep}{entry number separation}%
25268     \DefineTOCEntryCommandOption{onstarthigherlevel}%
25269     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
25270     \DefineTOCEntryCommandOption{onstartlowerlevel}%
25271     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
25272     \DefineTOCEntryCommandOption{onstartsamelevel}%
25273     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
25274     \DefineTOCEntryCommandOption{pagenumberbox}%
25275     {scr@tso@}{@pagenumberbox}[1]{page number box}%
25276     \DefineTOCEntryCommandOption{pagenumberformat}%
25277     {scr@tso@}{@pagenumberformat}[1]{page number format}%
25278     \DefineTOCEntryLengthOption{pagenumberwidth}%
25279     {scr@tso@}{@pagenumberwidth}{width of page number box}%
25280     \DefineTOCEntryLengthOption{rightindent}%
25281     {scr@tso@}{@rightindent}{entry's text right indent}%
25282     \DefineTOCEntryOption{raggedentrytext}[true]{%
25283         \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
25284         \ifx\FamilyKeyState\FamilyKeyStateProcessed
25285             \if@tempswa
25286                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25287                 \raggedright
25288             \else

```



```

25289     \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25290     \relax
25291     \fi
25292     \fi
25293 }%
25294 \DefineTOCEntryIfOption{raggedpagenumber}%
25295   {scr@tso@}{@raggedpage}{page number ragged flag}%
25296 \DefineTOCEntryLengthOption{indent}%
25297   {scr@tso@}{@indent}{entry indent}%
25298 \DefineTOCEntryLengthOption{numwidth}%
25299   {scr@tso@}{@numwidth}{entry number width}%
25300 \scr@ifundefinedorrelax{#1tocdepth}{%
25301   \Ifstrstart{#1}{sub}{%
25302     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
25303       \expandafter\edef\csname #1tocdepth\endcsname{%
25304         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
25305       }%
25306     }%
25307   }{}%
25308 }{}%
25309 \@ifundefined{#1tocdepth}{%
25310   \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
25311     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
25312       \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
25313         \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
25314           \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
25315             \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
25316               \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
25317                 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
25318                   \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
25319                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
25320                     \csname #1numdepth\endcsname
25321                   }%
25322                 }%
25323               }%
25324             }%
25325           }%
25326         }%
25327       }%
25328     }%
25329   }%
25330 }{}%
25331 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
25332   \@ifundefined{scr@#1@tocindent}{%
25333     \Ifstrstart{#1}{sub}{%
25334       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
25335         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
25336           \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25337             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
25338           \relax
25339         }%
25340       }%
25341     }{}%
25342     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%

```



```

25343         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25344             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
25345             \relax
25346         }%
25347     }{%
25348         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25349             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
25350             +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25351             \relax
25352         }%
25353     }%
25354 }%
25355 }{}%
25356 }{%
25357     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25358 }%
25359 }{}%
25360 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
25361     \Ifstrstart{#1}{sub}{%
25362         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
25363             \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
25364         }{%
25365             \expandafter\let
25366             \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
25367             \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
25368         }%
25369     }{%
25370         \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
25371     }%
25372 }{}%
25373 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
25374     \Ifstrstart{#1}{sub}{%
25375         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
25376             \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25377         }{%
25378             \expandafter\let
25379             \csname scr@tso@#1@rightindent\expandafter\endcsname
25380             \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
25381         }%
25382     }{%
25383         \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25384     }%
25385 }{}%
25386 \@ifundefined{scr@tso@#1@indent}{%
25387     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25388     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25389     \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
25390     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
25391     \scr@ifundefinedorrelax{l@chapter}{%
25392     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
25393     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25394     \Ifstr{#1}{subsubsection}{%
25395         \@namedef{scr@tso@#1@indent}{3.8em}%
25396     }{%

```



```

25397         \Ifstr{#1}{paragraph}{%
25398             \@namedef{scr@tso@#1@indent}{7em}%
25399         }{%
25400             \Ifstr{#1}{subparagraph}{%
25401                 \@namedef{scr@tso@#1@indent}{10em}%
25402             }{%
25403                 }%
25404             }%
25405         }%
25406     }%
25407 }{%
25408 }{%
25409     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25410         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25411             \Ifstr{#1}{subsubsection}{%
25412                 \@namedef{scr@tso@#1@indent}{7.0em}%
25413             }{%
25414                 \Ifstr{#1}{paragraph}{%
25415                     \@namedef{scr@tso@#1@indent}{10em}%
25416                 }{%
25417                     \Ifstr{#1}{subparagraph}{%
25418                         \@namedef{scr@tso@#1@indent}{12em}%
25419                     }{%
25420                         }%
25421                     }%
25422                 }%
25423             }%
25424         }%
25425     }%
25426 }%
25427 }%
25428 }%
25429 }%
25430 }{}%
25431 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
25432     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
25433         \Ifstrstart{#1}{sub}{%
25434             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
25435             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
25436                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25437                     +.9em%
25438             }%
25439         }%
25440     }%
25441 }{}%
25442 }{%
25443     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
25444 }%
25445 }{}%
25446 \@ifundefined{scr@tso@#1@numwidth}{%
25447     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25448     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25449     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25450     \scr@ifundefinedorrelax{chapter}{%

```



```

25451 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25452 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25453 \Ifstr{#1}{subsubsection}{%
25454 \@namedef{scr@tso@#1@numwidth}{3.2em}%
25455 }{%
25456 \Ifstr{#1}{paragraph}{%
25457 \@namedef{scr@tso@#1@numwidth}{4.1em}%
25458 }{%
25459 \Ifstr{#1}{subparagraph}{%
25460 \@namedef{scr@tso@#1@numwidth}{5em}%
25461 }{%
25462 }%
25463 }%
25464 }%
25465 }%
25466 }%
25467 }{%
25468 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25469 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
25470 \Ifstr{#1}{subsubsection}{%
25471 \@namedef{scr@tso@#1@numwidth}{3.1em}%
25472 }{%
25473 \Ifstr{#1}{paragraph}{%
25474 \@namedef{scr@tso@#1@numwidth}{5em}%
25475 }{%
25476 \Ifstr{#1}{subparagraph}{%
25477 \@namedef{scr@tso@#1@numwidth}{6em}%
25478 }{%
25479 }%
25480 }%
25481 }%
25482 }%
25483 }%
25484 }%
25485 }%
25486 }%
25487 }%
25488 }{%
25489 \expandafter\renewcommand%
25490 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
25491 \expandafter\renewcommand%
25492 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
25493 \expandafter\renewcommand%
25494 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
25495 \@ifundefined{scr@tso@#1@beforekip}{%
25496 \Ifstr{#1}{part}{%
25497 \@namedef{scr@tso@#1@beforekip}{\glueexpr 2.25em \@plus\p@\relax}%
25498 }{%
25499 \Ifstr{#1}{chapter}{%
25500 \@namedef{scr@tso@#1@beforekip}{\glueexpr 1.0em \@plus\p@\relax}%
25501 }{%
25502 \Ifstr{#1}{section}{%
25503 \scr@ifundefinedorrelax{1@chapter}{%
25504 \@namedef{scr@tso@#1@beforekip}{\glueexpr 1.0em \@plus\p@\relax}%

```



```

25505     }{}%
25506     }{}%
25507     }%
25508     }%
25509     \expandafter\renewcommand\expandafter*%
25510     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
25511 }{}%
25512 \@ifundefined{scr@dte@#1@maxnumwidth}{%
25513     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
25514     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
25515 }{}%
25516 \renewcommand*{\scr@dte@donumwidth}{%
25517     \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
25518 \expandafter\renewcommand\expandafter*%
25519 \csname scr@tso@#1@numsep\endcsname{.4em}%
25520 \expandafter\renewcommand%
25521 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
25522 \Ifstr{#1}{part}{%
25523     \expandafter\providecommand%
25524     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
25525 }{}%
25526 \Ifstr{#1}{chapter}{%
25527     \expandafter\providecommand%
25528     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25529 }{}%
25530 \scr@ifundefinedorrelax{1@chapter}{%
25531     \Ifstr{#1}{section}{%
25532         \expandafter\providecommand%
25533         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25534     }{}%
25535 }{}%
25536 \expandafter\providecommand%
25537 \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
25538 }%
25539 }%
25540 \expandafter\renewcommand
25541 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
25542 \@ifundefined{scr@tso@#1@linefill}{%
25543     \Ifstr{#1}{part}{%
25544         \@namedef{scr@tso@#1@linefill}{\hfill}%
25545     }{}%
25546     \Ifstr{#1}{chapter}{%
25547         \@namedef{scr@tso@#1@linefill}{\hfill}%
25548     }{}%
25549     \scr@ifundefinedorrelax{1@chapter}{%
25550         \Ifstr{#1}{section}{%
25551             \@namedef{scr@tso@#1@linefill}{\hfill}%
25552         }{}%
25553     }{}%
25554     \expandafter\renewcommand%
25555     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
25556 }%
25557 }%
25558 }{}%

```



```

25559 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname [2]{##2}%
25560 \Ifstr{#1}{part}{%
25561   \expandafter\providecommand%
25562   \csname scr@tso@#1@pagenumberformat\endcsname [1]{\large\bfseries ##1}%
25563 }{%
25564   \Ifstr{#1}{chapter}{%
25565     \expandafter\providecommand%
25566     \csname scr@tso@#1@pagenumberformat\endcsname [1]{\bfseries ##1}%
25567   }{%
25568     \scr@ifundefinedorrelax{1@chapter}{%
25569       \Ifstr{#1}{section}{%
25570         \expandafter\providecommand%
25571         \csname scr@tso@#1@pagenumberformat\endcsname [1]{\bfseries ##1}%
25572       }{}%
25573     }{}%
25574     \expandafter\providecommand%
25575     \csname scr@tso@#1@pagenumberformat\endcsname [1]{%
25576       {\normalfont\normalcolor ##1}}%
25577   }%
25578 }%
25579 \expandafter\renewcommand%
25580 \csname scr@tso@#1@pagenumberbox\endcsname [1]{%
25581   \hb@xt@\@nameuse{scr@dte@pagenumberwidth}{\hfil ##1}}%
25582 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname [2]{##2}%
25583 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname [2]{##2}%
25584 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
25585   \Ifstrstart{#1}{sub}{%
25586     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
25587       \scr@dte@nosub{#1}%
25588     }%
25589   }{}%
25590   \expandafter\let\csname scr@tso@#1@indentfollows\endcsname \@empty
25591 }%
25592 }{}%
25593 }}{%
25594 \scr@dte@tocline{#1}{##1}{##2}%
25595 }
25596
25597 \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
25598   \renewcommand*{\scr@tso@figure@pagenumberformat} [1]{%
25599     {\normalfont\normalcolor #1}%
25600   }%
25601 }{}
25602
25603 \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
25604   \renewcommand*{\scr@tso@table@pagenumberformat} [1]{%
25605     {\normalfont\normalcolor #1}%
25606   }%
25607 }{}
25608

```

158 File tocstyle-xetex-bidi.def

25609 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package




```

25610 \renewcommand*{\tocstyle@dottedtocline}[5]{%
25611   \let\numberline\tocstyle@numberline
25612   \ifnum #1>\c@tocdepth \else
25613     \if@tocstyle@penalties
25614       \beginingroup
25615         \@tempcnta 20010
25616         \advance \@tempcnta by -#1
25617         \ifnum \@tempcnta>\lastpenalty
25618           \aftergroup\penalty\aftergroup\@lowpenalty
25619         \fi
25620       \endgroup
25621     \fi
25622     \edef\tocstyledepth{#1}%
25623     \tocstyle@activate@features
25624     \ifx\tocstyle@feature@entryvskip\relax
25625       \vskip \z@ \@plus.2\p@
25626     \else
25627       \addvspace{\tocstyle@feature@entryvskip}%
25628     \fi
25629     {%
25630       \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
25631       \tocstyle@feature@raggedhook
25632       \@tempdima #3\relax
25633       \@tempdimb #2\relax
25634       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25635       \ifnum #1>\z@\relax
25636         \@tempcnta #1\relax \advance\@tempcnta \m@ne
25637         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25638           \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25639             \@tempdimb
25640             \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25641             \advance\@tempdimb
25642             \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25643           \fi
25644         \fi
25645       \fi
25646       \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25647       \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
25648         \ifdim \@tempdimb>
25649           \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
25650           \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25651             @#1\endcsname{\the\@tempdimb}%
25652         \fi
25653       \else
25654         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25655           @#1\endcsname{\the\@tempdimb}%
25656       \fi
25657       \iftocstyle@autolength
25658         \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25659           \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25660           \relax
25661         \fi
25662         \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25663           \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname

```



```

25664         \relax
25665     \fi
25666     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25667     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25668 \else
25669     \@tempdimb #2\relax
25670     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25671 \fi
25672 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
25673     \ifdim \@tempdima>
25674     \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
25675     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25676     @\endcsname{\the\@tempdima}%
25677 \fi
25678 \else
25679     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25680     @\endcsname{\the\@tempdima}%
25681 \fi
25682 \ifcase\tocstyle@indentstyle\relax\else
25683     \@tempdimb \z@
25684     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25685     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25686     \relax
25687 \fi
25688     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25689     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25690 \fi
25691 \advance\parindent \@tempdimb\@afterindenttrue
25692 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
25693 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
25694 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
25695 \ifx\tocstyle@feature@parfillskip\relax\else
25696     \advance\parfillskip \tocstyle@feature@parfillskip\relax
25697 \fi
25698 \interlinepenalty\@M
25699 \leavevmode
25700 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
25701 \null\nobreak
25702 \iftocstyle@indentnotnumbered\else
25703     \hskip -\if@RTL\rightskip\else\leftskip\fi
25704 \fi
25705 \tocstyle@feature@entryhook
25706 {#4}\nobreak
25707 \ifx\tocstyle@feature@leaders\relax
25708     \leaders\hbox{$\m@th
25709     \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
25710     \mkern \@dotsep mu$}\hfill
25711 \else
25712     \tocstyle@feature@leaders
25713 \fi
25714 \nobreak
25715 \ifx\tocstyle@feature@pagenumberbox\relax
25716     \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
25717 \else

```



```

25718     \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
25719     \fi
25720     \par
25721   }%
25722   \if@tocstyle@penalties
25723     \bgroup
25724     \@tempcnta 20009
25725     \advance\@tempcnta by -#1
25726     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
25727     \reserved@a
25728     \fi
25729   \fi}
25730 \renewcommand*{\tocstyle@numberline}[1]{%
25731   \begingroup
25732     \ifx\tocstyle@feature@spaceafternumber\relax
25733       \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
25734     \else
25735       \settowidth\@tempdima{\tocstyle@numberline{#1}}%
25736       \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
25737     \fi
25738     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
25739       \ifdim \@tempdima >
25740         \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
25741         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25742           \@tocstyledepth\endcsname{\the\@tempdima}%
25743       \fi
25744     \else
25745       \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25746         @\tocstyledepth\endcsname{\the\@tempdima}%
25747     \fi
25748   \endgroup
25749   \iftocstyle@indentnotnumbered
25750     \hskip -\if@RTL\rightskip\else\leftskip\fi
25751   \fi
25752   \ifcase \tocstyle@indentstyle
25753     \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
25754   \or
25755     \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
25756   \else
25757     \ifx\tocstyle@feature@spaceafternumber\relax
25758       \hbox{\tocstyle@numberline{#1}\enskip}%
25759     \else
25760       \hbox{\tocstyle@numberline{#1}\hskip
25761         \tocstyle@feature@spaceafternumber\relax}%
25762     \fi
25763   \fi
25764 }
25765 \AtBeginDocument{%
25766   \ifcsname l@part\endcsname
25767     \ifcsname l@chapter\endcsname
25768       \setbox\@tempboxa\vbox{\hsize\maxdimen
25769         \l@part{\tocstyle@l@define{part}{-1}}}%
25770     \else
25771       \setbox\@tempboxa\vbox{\hsize\maxdimen

```



```

25772     \l@part{\tocstyle@l@define{part}{0}}{}}%
25773     \fi
25774 \fi
25775 \ifcsname l@chapter\endcsname
25776     \setbox@tempboxa\vbox{\hsize\maxdimen
25777     \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
25778 \fi
25779 \ifcsname l@section\endcsname
25780     \setbox@tempboxa\vbox{\hsize\maxdimen
25781     \l@section{\tocstyle@l@define{section}{1}}{}}%
25782 \fi
25783 \ifcsname l@subsection\endcsname
25784     \setbox@tempboxa\vbox{\hsize\maxdimen
25785     \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
25786 \fi
25787 \ifcsname l@subsubsection\endcsname
25788     \setbox@tempboxa\vbox{\hsize\maxdimen
25789     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
25790 \fi
25791 \ifcsname l@paragraph\endcsname
25792     \setbox@tempboxa\vbox{\hsize\maxdimen
25793     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
25794 \fi
25795 \ifcsname l@subparagraph\endcsname
25796     \setbox@tempboxa\vbox{\hsize\maxdimen
25797     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
25798 \fi
25799 \ifcsname l@table\endcsname
25800     \setbox@tempboxa\vbox{\hsize\maxdimen
25801     \l@table{\tocstyle@l@define{table}{1}}{}}%
25802 \fi
25803 \ifcsname l@figure\endcsname
25804     \setbox@tempboxa\vbox{\hsize\maxdimen
25805     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
25806 \fi
25807 \def\@tempa#1#2#3#4#5{%
25808     \ifnum #1>\c@tocdepth \else
25809     \vskip \z@ \@plus.2\p@
25810     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@ocr
25811     \parindent #2\relax\@afterindenttrue
25812     \interlinepenalty\@M
25813     \leavevmode
25814     \@tempdima #3\relax
25815     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
25816     {#4}\nobreak
25817     \leaders\hbox{$\m@th
25818     \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
25819     mu$}\hfill
25820     \nobreak
25821     \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
25822     \par}%
25823 \fi}%
25824 \ifx\@dottedtocline\@tempa\else
25825     \tocstyle@macrochangewarning\@dottedtocline

```



```

25826 \fi
25827 \let\tocstyle@saved@dottedtoctline@dottedtoctline
25828 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
25829 \ifx\numberline\@tempa\else
25830 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
25831 \ifx\numberline\@tempa\else
25832 \tocstyle@macrochangewarning\numberline
25833 \fi
25834 \fi
25835 \let\tocstyle@saved@numberline\numberline
25836 }
25837 \renewcommand*\@tocstyle@l@define}[2]{%
25838 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
25839 \edef\@tempa{%
25840 \noexpand\global\noexpand\let
25841 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
25842 \expandafter\noexpand\csname l@#1\endcsname
25843 \noexpand\gdef
25844 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
25845 \noexpand\@dottedtoctline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
25846 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@l{%
25847 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
25848 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
25849 }%
25850 }%
25851 \PackageInfo{tocstyle}{prepare \expandafter\string
25852 \csname l@#1\endcsname\space for redefinition}%
25853 \@tempa
25854 }

```

159 File todonotes-xetex-bidi.def

```

25855 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
25856 \newif\if@bidi@todonotes@textdirection@RTL
25857 \newif\if@bidi@todonotes@figposition@right
25858 \newcommand{\@bidi@todonotes@align}{}%
25859 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
25860 \newcommand{\@bidi@todonotes@textdirection}{}%
25861 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
25862 \ifcase\@bidi@todonotes@tempb\relax
25863 \@bidi@todonotes@textdirection@RTLtrue
25864 \let\@bidi@todonotes@textdirection\RLE
25865 \or
25866 \@bidi@todonotes@textdirection@RTLfalse
25867 \let\@bidi@todonotes@textdirection\LRE
25868 \fi}
25869 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
25870 \ifcase\@bidi@todonotes@tempb\relax
25871 \@bidi@todonotes@figposition@righttrue
25872 \or
25873 \@bidi@todonotes@figposition@rightfalse
25874 \fi}
25875 \if@todonotes@disabled%
25876 \else % \if@todonotes@disabled

```



```

25877 \renewcommand{\@todonotes@drawInlineNote}{%
25878   \if@todonotes@dviStyle%
25879     {\par\noindent\begin{tikzpicture}[remember picture]%
25880       \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25881     \if@todonotes@authorgiven%
25882       {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
25883     \else%
25884       {\noindent \@todonotes@sizecommand \@todonotes@text}%
25885     \fi
25886   {\par\noindent\begin{tikzpicture}[remember picture]%
25887     \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25888 \else%
25889   {\par\noindent\begin{tikzpicture}[remember picture]%
25890     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25891     \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align%
25892       \if@todonotes@authorgiven%
25893         {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
25894       \else%
25895         {\noindent \@todonotes@sizecommand \@todonotes@text}%
25896       \fi};%
25897     \end{tikzpicture}\par}%
25898 \fi}%
25899 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
25900 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
25901   \node [coordinate] (inText) {};%
25902 \end{tikzpicture}%
25903 \marginpar[{} Draw note in left margin
25904   \@todonotes@drawMarginNote%
25905   \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
25906 ]{} Draw note in right margin
25907   \@todonotes@drawMarginNote%
25908   \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
25909 }%
25910 }%
25911 \renewcommand{\@todonotes@drawMarginNote}{%
25912 \if@todonotes@dviStyle%
25913   \begin{tikzpicture}[remember picture]%
25914     \draw node[notestyle] {};%
25915   \end{tikzpicture}\%
25916 \begin{minipage}{\@todonotes@textwidth}%
25917   \if@todonotes@authorgiven%
25918     \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
25919   \else%
25920     \@todonotes@sizecommand \@todonotes@text%
25921   \fi%
25922 \end{minipage}\%
25923 \begin{tikzpicture}[remember picture]%
25924   \draw node[notestyle] (inNote) {};%
25925 \end{tikzpicture}%
25926 \else%
25927   \let\originalHbadness\hbadness%
25928   \hbadness 100000%
25929   \begin{tikzpicture}[remember picture,baseline=(X.base)]%
25930     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%

```



```

25931     \node(X){\vphantom{X}};%
25932     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
25933           {\@todonotes@text}};%
25934     \if@todonotes@authorgiven%
25935         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
25936           {\@todonotes@sizecommand\@todonotes@author}};%
25937         \node(Y)[below=of X]{};%
25938         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
25939           {\@todonotes@text}};%
25940     \else%
25941         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
25942           {\@todonotes@text}};%
25943     \fi%
25944 \end{tikzpicture}%
25945 \hbadness \originalHbadness%
25946 \fi}%
25947 \renewcommand{\missingfigure}[2] [] {%
25948 \setkeys{todonotes}{#1}%
25949 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
25950 \par
25951 \noindent
25952 \begin{tikzpicture}
25953 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
25954     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
25955 \if@bidi@todonotes@figposition@right%
25956 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25957 \fi%
25958 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
25959     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
25960 \if@bidi@todonotes@figposition@right%
25961 \end{scope}
25962 \begin{scope}[xshift=-3.8cm]
25963 \fi%
25964 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25965 \draw (2, -0.3) node[right, text
25966     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
25967 \if@bidi@todonotes@figposition@right%
25968 \end{scope}
25969 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25970 \fi%
25971 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
25972 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
25973 \if@bidi@todonotes@figposition@right%
25974 \end{scope}
25975 \fi%
25976 \end{tikzpicture}}\hfill
25977 }% Ending \missingfigure command
25978 \fi % Ending \@todonotes@ifdisabled
25979 \presetkeys%
25980     {todonotes}%
25981     {align=left,%
25982     textdirection=lefttoright,%
25983     figposition=left}};%

```



160 File wrapfig-xetex-bidi.def

```
25984 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package f
25985 \let\WF@everypar\ bidi@n@everypar
25986 \def\WF@putfigmaybe{%
25987 \ifinner
25988 \vskip-\parskip \global\WF@floatfalse
25989 \let\pagetotal\maxdimen % kludge flag for "not top of page"
25990 \else % outer page
25991 \@tempdima\pagedepth % save page depth
25992 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
25993 \penalty\interlinepenalty % update pg. parameters
25994 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
25995 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
25996 \global\WF@floatfalse
25997 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
25998 \else
25999 \ifdim\WF@size>\@tempdimb
26000 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
26001 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
26002 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
26003 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
26004 \advance\dimen@.5\baselineskip
26005 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch;}%
26006 \global\WF@floatfalse \pagebreak
26007 \fi
26008 \else % \WF@info{Fits in \the\@tempdimb;}%
26009 \global\WF@floatfalse
26010 \fi\fi
26011 \vskip\@tempdima\relax % (return erased page depth)
26012 \fi
26013 \noindent
26014 \ifWF@float
26015 \WF@fltmes
26016 \else % putting here;
26017 \WF@info{Put \WF@wfname here;}%
26018 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
26019 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
26020 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
26021 \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
26022 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
26023 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
26024 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
26025 \xdef\WF@adjlw{\the\@tempdima}%
26026 \ifnum `l=\WF@place % fig on left
26027 \if@RTL%
26028 \kern\@tempdimb \kern\columnsep
26029 \def\@tempa{\hss}% position to left of the gap
26030 \else%
26031 \hss % figure overlaps space to the left
26032 \def\@tempa{\kern\columnsep}% position to left of the gap
26033 \fi%
26034 \else % fig on right
26035 \if@RTL%
```




```

26036 \hss
26037 \@tempdima\z@
26038 \def\@tempa{\kern\columnsep}
26039 \else%
26040 \@tempdima\z@ % no left indentation
26041 \kern\@tempdimb \kern\columnsep
26042 \def\@tempa{\hss}% figure overlaps space to the right
26043 \fi%
26044 \fi
26045 \ifdim\@tempdimb<\hsize
26046 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
26047 \xdef\WF@adjtllm{\the\@tempdima}%
26048 \else
26049 \xdef\WF@wrapil{\z@ \the\hsize}%
26050 \xdef\WF@adjlw{\z@}\xdef\WF@adjtllm{\z@}%
26051 \fi
26052 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
26053 \global\advance\WF@size-\intextsep
26054 \else % \WF@info{Putting \WF@wfname in middle of page}%
26055 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
26056 \fi \dp\WF@box\z@ \box\WF@box \@tempa
26057 }% end \hbox to 0pt
26058 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
26059 \fi}

```

161 File xcolor-xetex-bidi.def

```

26060 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package for
26061 \long\def\color@b@x#1#2#3%
26062 {\leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
26063 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
26064 \dimen@ht\z@\advance\dimen@\fbboxsepht\z@\dimen@
26065 \dimen@dp\z@\advance\dimen@\fbboxsepdp\z@\dimen@
26066 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
26067 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup
26068 \DeclareRobustCommand\color
26069 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]
26070 \def\@undeclaredcolor[#1]#2%
26071 {\begingroup
26072 \let\@@cls\@empty
26073 \XC@getmodclr12{#1}{#2}{}}%
26074 {\ifblendcolors
26075 \ifx\colorblend\@empty\else
26076 \edef\@@mix{\expandafter\@gobble\colorblend}\@tempswafalse
26077 \XC@coremodel\@mod\@@clr\@xcolor@{}}\@mod\@@clr
26078 \fi
26079 \fi
26080 \ifconvertcolorsU
26081 \edef\@@tmp{\XC@tgt@mod{\@mod}}%
26082 \convertcolorspec\@mod\@@clr\@@tmp\@@clr \let\@mod\@@tmp
26083 \fi
26084 \ifmaskcolors
26085 \convertcolorspec\@mod\@@clr\XC@mmod\@@clr
26086 \let\@mod\XC@mmod

```



```

26087     \XC@inflate\@mod\XC@mclr\@clr\@tmp
26088     \expandafter\XC@mul\@tmp,\@clr
26089     \fi
26090     \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
26091     \expandafter\endgroup\@tmp}}
26092 \def\@declaredcolor#1%
26093 {\XC@edef\XC@tmp{#1}\XC@tstfalse
26094  \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
26095   \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
26096   \ifconvertcolorsU\XC@tsttrue\fi
26097   \fi
26098   \ifXC@tst
26099     \expandafter\XC@declaredcolor\else
26100     \expandafter\XC@declaredcolor\fi}
26101 \def\XC@undeclaredcolor#1#2%
26102 {\@ifundefinedmodel{#1}%
26103  {\color@error{model `#1'}}%
26104  {\@nameuse{color@#1}\current@color{#2}}%
26105   \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
26106   \XC@display}\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
26107 \def\XC@declaredcolor
26108 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
26109  \edef\current@color{\XC@current@color}%
26110  \XC@display\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
26111 \DeclareRobustCommand\bidicolor
26112 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
26113 \def\@bidiundeclaredcolor[#1]#2%
26114 {\begingroup
26115  \let\@cls\@empty
26116  \XC@getmodclr12{#1}{#2}{}%
26117  {\ifblendcolors
26118   \ifx\colorblend\@empty\else
26119    \edef\@mix{\expandafter@gobble\colorblend}\@tempwafalse
26120    \XC@coremodel\@mod\@clr\xcolor@}{\@mod\@clr
26121    \fi
26122    \fi
26123    \ifconvertcolorsU
26124     \edef\@tmp{\XC@tgt@mod{\@mod}}%
26125     \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
26126     \fi
26127     \ifmaskcolors
26128     \convertcolorspec\@mod\@clr\XC@mmod\@clr
26129     \let\@mod\XC@mmod
26130     \XC@inflate\@mod\XC@mclr\@clr\@tmp
26131     \expandafter\XC@mul\@tmp,\@clr
26132     \fi
26133     \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
26134     \expandafter\endgroup\@tmp}}
26135 \def\XC@bidiundeclaredcolor#1#2%
26136 {\@ifundefinedmodel{#1}%
26137  {\color@error{model `#1'}}%
26138  {\@nameuse{color@#1}\current@color{#2}}%
26139   \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
26140   \XC@display}}

```



```

26141 \def\@bidideclaredcolor#1%
26142 {\XC@edef\XC@@tmp{#1}\XC@tstfalse
26143 \ifcase\XC@type\XC@@tmp\relax \XC@tsttrue\or \relax\else
26144 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
26145 \ifconvertcolorsU\XC@tsttrue\fi
26146 \fi
26147 \ifXC@@tst
26148 \expandafter\XC@bidideclaredcolor\else
26149 \expandafter\XC@bidideclaredcolor\fi}
26150 \def\XC@bidideclaredcolor
26151 {\XC@split\XC@@tmp
26152 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
26153 \expandafter\endgroup\@tmp}
26154 \def\XC@bidideclaredcolor
26155 {\XC@let\NC\XC@current@color{\string\color@\XC@@tmp}%
26156 \edef\current@color{\XC@current@color}%
26157 \XC@display}
26158 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
26159 \def\color@fbox#1#2#3#{\protect\color@fb@x{#1}{#2}{#3}}
26160 \def\color@fb@x#1#2#3#4%
26161 {\color@b@x{#1}{#2}\XC@fbox}%
26162 {\@ifempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}
26163 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

162 File latex-xetex-bidi.def

```

26164 \ProvidesFile{latex-xetex-bidi.def}[2024/12/08 v1.5.1 bidi adaptations for `latex.ltx' for
26165 \newcommand{\TeXeTOn}{\TeXeTstate\@ne}
26166 \newcommand{\TeXeTOff}{\TeXeTstate\@z}
26167 \TeXeTOn
26168 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
26169 \let\bidi@o@everypar=\everypar
26170 \newtoks\bidi@n@everypar
26171 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
26172 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
26173 \let\everypar=\bidi@n@everypar
26174 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
26175 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
26176 \protected\def\hboxR{\hbox\bggroup
26177 \everyhbox{%
26178 \aftergroup\egroup
26179 \everyhbox{}}%
26180 \beginR
26181 \@hboxRconstructtrue
26182 \bggroup
26183 \aftergroup\endR
26184 \aftergroup\egroup
26185 }\hbox}
26186 \protected\def\hboxL{\hbox\bggroup
26187 \everyhbox{%
26188 \aftergroup\egroup
26189 \everyhbox{}}%
26190 \beginL
26191 \@hboxRconstructfalse

```



```

26192 \bgroup
26193 \aftergroup\endL
26194 \aftergroup\egroup
26195 }\hbox}
26196 \protected\def\ vboxR{\ vbox\bgroup
26197 \everyvbox{%
26198 \aftergroup\egroup
26199 \everyvbox{}}%
26200 \@RTLtrue
26201 \@RTLtabtrue
26202 \bgroup
26203 \aftergroup\egroup
26204 }\vbox}
26205 \protected\def\ vboxL{\ vbox\bgroup
26206 \everyvbox{%
26207 \aftergroup\egroup
26208 \everyvbox{}}%
26209 \@RTLfalse
26210 \@RTLtabfalse
26211 \bgroup
26212 \aftergroup\egroup
26213 }\vbox}
26214 \newcommand*{\ bidi@leftskip}{\ if@RTL\rightskip\else\leftskip\fi}
26215 \newcommand*{\ bidi@rightskip}{\ if@RTL\leftskip\else\rightskip\fi}
26216 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@\bidi@beamer}
26217 \def\endLTR{\par}
26218 \newenvironment{LTR*}{\LTR
26219 \everypar{%
26220   {\setbox\z@\lastbox
26221     \ifvoid\z@
26222       \kern-\parindent
26223     \fi}}%
26224 }%
26225 }{\endLTR\@endpetrue}
26226 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@\bidi@beamer}
26227 \def\endRTL{\par}
26228 \newenvironment{RTL*}{\RTL
26229 \everypar{%
26230   {\setbox\z@\lastbox
26231     \ifvoid\z@
26232       \kern-\parindent
26233     \fi}}%
26234 }%
26235 }{\endRTL\@endpetrue}
26236 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\bidi@beamer@ragged}
26237 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\bidi@beamer@ragged}
26238 \let\unsetRTL=\setLTR
26239 \let\unsetLTR=\setRTL
26240 \let\LR=\LRE
26241 \let\RL=\RLE
26242 \def\@ensure@RTL#1{\ if@RTL#1\else\RLE{#1}\fi}
26243 \def\@ensure@LTR#1{\ if@RTL\LRE{#1}\else#1\fi}
26244 \let\@ensure@RL=\@ensure@RTL
26245 \let\@ensure@LR=\@ensure@LTR

```



```

26246 \def\@ensure@dir#1{\if@RTL\RL#1\else#1\fi}
26247 \let\@ensure@maindir=\@ensure@dir
26248 \def\@RTL{RTL}
26249 \def\@LTR{LTR}
26250 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
26251 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
26252 \let\@TeX\TeX
26253 \def\TeX{\@ensure@LTR{\@TeX}}
26254 \let\@LaTeX\LaTeX
26255 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
26256 \let\@LaTeXe\LaTeXe
26257 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
26258 \long\def\@bidi@reflect@box#1{%
26259   \leavevmode
26260   \setbox\z@\hbox{#1}%
26261   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:restore}}
26262   \hbext@wd\z@\kern\wd\z@\box\tw@\hss}%
26263 }
26264 \if@bidi@csundef{XeTeX}{%
26265 \bidi@newrobustcmd*{XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
26266   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}}$}%
26267 }{%
26268 \let\@bidi@orig@XeTeX\TeX
26269 \bidi@renewrobustcmd*{XeTeX}{\LR{\@bidi@orig@XeTeX}}%
26270 }
26271 \if@bidi@csundef{XeLaTeX}{%
26272 \bidi@newrobustcmd*{XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
26273   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}}$}%
26274 }{%
26275 \let\@bidi@orig@XeLaTeX\XeLaTeX
26276 \bidi@renewrobustcmd*{XeLaTeX}{\LR{\@bidi@orig@XeLaTeX}}%
26277 }
26278 \let\setRL=\setRTL
26279 \let\setLR=\setLTR
26280 \let\unsetRL=\setLTR
26281 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
26282 \ifpackageloaded{array}{%
26283 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26284   \leavevmode
26285   \hbox \bgroup $\left.\col@sep\tabcolsep \let\d@llarbegin\begin\group
26286   \let\d@llarend\end\group
26287   \@tabarray}
26288 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
26289 }{%
26290 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26291   \leavevmode \hbox \bgroup
26292   $\left.\let\@acol\@tabacol
26293   \let\@classz\@tabclassz
26294   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26295 }
26296 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
26297   \egroup\right\rbrace $\egroup}}
26298 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
26299   \ialign{##\hfil$&\quad{##}\hfil\crr#1\crr}}\,\right\}}

```



```

26300 \renewenvironment{RTLcases}{%
26301   \bidi@matrix@check\RTLcases\env@RTLcases
26302 }{%
26303   \endbidi@tabular@RTLcases%
26304 }
26305 \def\env@RTLcases{%
26306   \let\@ifnextchar\bidi@new@ifnextchar
26307   \def\arraystretch{1.2}%
26308   \bidi@tabular@RTLcases{@}r@{\quad}r@{}}%
26309 }
26310 \def\SepMark#1{\gdef\@SepMark{#1}}
26311 \SepMark{.}
26312 \def\@thmcountersep{\@SepMark}
26313 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
26314 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
26315 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
26316 \newcommand*{\bidi@thebibliography@font@hook}{}
26317 \def\list#1#2{%
26318   \ifnum \@listdepth >5\relax
26319     \@toodeep
26320   \else
26321     \global\advance\@listdepth\@ne
26322   \fi
26323   \rightmargin\z@
26324   \listparindent\z@
26325   \itemindent\z@
26326   \csname @list\romannumeral\the\@listdepth\endcsname
26327   \def\@itemlabel{#1}%
26328   \let\makelabel\@mklab
26329   \@nbrlistfalse
26330   #2\relax
26331   \@trivlist
26332   \parskip\parsep
26333   \parindent\listparindent
26334   \advance\linewidth -\rightmargin
26335   \advance\linewidth -\leftmargin
26336   \if@bidi@list@minipage@parbox@
26337   \if@RTL
26338     \advance\@totalleftmargin \leftmargin
26339   \else
26340     \advance\@totalleftmargin \rightmargin
26341   \fi
26342   \else
26343   \if@hboxRconstruct
26344     \if@bidi@list@minipage@parbox@not@nob
26345     \if@RTL
26346       \advance\@totalleftmargin \rightmargin
26347     \else
26348       \advance\@totalleftmargin \leftmargin
26349     \fi
26350   \else
26351     \if@RTL
26352       \advance\@totalleftmargin \leftmargin
26353     \else

```



```

26354 \advance\@totalleftmargin \rightmargin
26355 \fi\fi
26356 \else
26357 \if@RTL
26358 \advance\@totalleftmargin \rightmargin
26359 \else
26360 \advance\@totalleftmargin \leftmargin
26361 \fi\fi\fi
26362 \parshape \@ne \@totalleftmargin \linewidth
26363 \ignorespaces}
26364 \long\def\@iiiparbox#1#2[#3]#4#5{%
26365 \leavevmode
26366 \@pboxswfalse
26367 \if@hboxRconstruct
26368 \@bidi@list@minipage@parbox@not@nobtrue
26369 \fi
26370 \if@RTL
26371 \ifx#1t%
26372 \@bidi@list@minipage@parboxtrue
26373 \else
26374 \ifx#1b%
26375 \@bidi@list@minipage@parboxtrue
26376 \fi
26377 \fi
26378 \fi
26379 \setlength\@tempdima{#4}%
26380 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
26381 \ifx\relax#2\else
26382 \setlength\@tempdimb{#2}%
26383 \edef\@parboxto{to\the\@tempdimb}%
26384 \fi
26385 \if#1b\vbox
26386 \else\if #1t\vtop
26387 \else\ifmmode\vcenter
26388 \else\@pboxswtrue $\vcenter
26389 \fi\fi\fi
26390 \@parboxto{\let\hss\vss\let\unhbox\unvbox
26391 \csname bm@#3\endcsname}%
26392 \if@pboxsw \m@th$\fi
26393 \@end@tempboxa}
26394 \newenvironment{LTRitems}
26395 {\par\@RTLfalse\@RTLtabfalse\bidi@beamer@ragged
26396 \if@bidi@list@minipage@parbox
26397 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26398 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26399 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26400 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26401 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26402 \ignorespaces}{\vskip\z@}
26403 \newenvironment{RTLitems}
26404 {\par\@RTLtrue\@RTLtabtrue\bidi@beamer@ragged
26405 \if@bidi@list@minipage@parbox
26406 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26407 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob

```



```

26408     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26409     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26410     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26411     \ignorespaces}{\vskip\z@}
26412 \newenvironment{LTRbibitems}
26413     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26414     \if@bidi@list@minipage@parbox
26415     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26416     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox\not@nob
26417     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26418     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26419     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26420     \ignorespaces}{\vskip\z@}
26421 \newenvironment{RTLbibitems}
26422     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26423     \if@bidi@list@minipage@parbox
26424     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26425     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox\not@nob
26426     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26427     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26428     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26429     \ignorespaces}{\vskip\z@}
26430 \def\raggedright{%
26431     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
26432     \leftskip\z@skip
26433     \parindent\z@\parfillskip\z@skip}
26434 \let\@bidi@orig@raggedleft\raggedleft
26435 \let\@bidi@orig@raggedright\raggedright
26436 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRco
26437 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRco
26438 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
26439 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
26440 \DeclareRobustCommand\centerline[1]{%
26441 \if@RTL\@@line{\hss\beginR#1\endR\hss}
26442 \else\@@line{\hss#1\hss}\fi}
26443 \def\@bidi@orig@leftline#1{%
26444 \if@RTL\@@line{\beginR#1\endR\hss}
26445 \else\@@line{#1\hss}\fi}
26446 \def\@bidi@orig@rightline#1{%
26447 \if@RTL\@@line{\hss\beginR#1\endR}
26448 \else\@@line{\hss#1}\fi}
26449 \DeclareRobustCommand\leftline[1]{\ifhmode\if@RTL\@bidi@orig@rightline{#1}\else\@bidi@orig@lef
26450 \DeclareRobustCommand\rightline[1]{\ifhmode\if@RTL\@bidi@orig@leftline{#1}\else\@bidi@orig@rig
26451 \DeclareRobustCommand\bidirlap[1]{\hbext@z{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
26452 \DeclareRobustCommand\bidillap[1]{\hbext@z{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
26453 \def\@hangfrom#1{\setbox\@tempboxa\hbox{\{#1\}}%
26454     \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
26455 \def\narrower{%
26456     \advance\if@RTL\rightskip\else\leftskip\fi\parindent
26457     \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
26458 \DeclareRobustCommand\underline[1]{%
26459     \relax
26460     \ifmmode\@@underline{#1}%
26461     \else

```




```

26462 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
26463 \else
26464 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
26465 \if@compatibility
26466 \let\undertext=\underline
26467 \fi
26468 \def\@tabular{%
26469 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
26470 $\let\@acol\@tabacol
26471 \let\@classz\@tabclassz
26472 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26473 \def\endtabular{\cr\egroup\if@RTLtab\egroup\endR\egroup\fi
26474 \egroup $\if@RTLtab\endR\fi\egroup}
26475 \expandafter \let \csname endtabular*\endcsname = \endtabular
26476 \def\@array[#1]#2{%
26477 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
26478 \bgroup
26479 \setbox\@arstrutbox\hbox{%
26480 \vrule \@height\arraystretch\ht\strutbox
26481 \depth\arraystretch \dp\strutbox
26482 \@width\z@}%
26483 \@mkpream{#2}%
26484 \edef\@preamble{%
26485 \ialign \noexpand\@halignto
26486 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
26487 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
26488 \let\@tabularnewline\%
26489 \let\par\@empty
26490 \let\@sharp##%
26491 \set@typeset@protect
26492 \lineskip\z@skip\baselineskip\z@skip
26493 \ifhmode \@preamerr\z@ \@@par\fi
26494 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
26495 \@preamble}
26496 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
26497 \let\@classiv\@arrayclassiv
26498 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
26499 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
26500 \ifnum \@lastchclass=3 5 \else
26501 \z@ \if #1c\@chnum \z@ \else
26502 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
26503 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
26504 \@chclass \if #1\@ne \else
26505 \if #1\@tw@ \else
26506 \if #1p3 \else \z@ \@preamerr 0\fi
26507 \fi \fi \fi \fi \fi
26508 \fi}
26509 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
26510 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
26511 \def\bm@t{\unhbox\@tempboxa\hss}
26512 \def\bm@b{\hss\unhbox\@tempboxa}
26513 \def\@dottedtocline#1#2#3#4#5{%
26514 \ifnum #1>\c@tocdepth \else
26515 \vskip \z@ \@plus.2\p@

```



```

26516   {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrama
26517   \parindent #2\relax\@afterindenttrue
26518   \interlinepenalty\@M
26519   \leavevmode
26520   \@tempdima #3\relax
26521   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
26522   {#4}\nobreak
26523   \leaders\hbox{$\m@th
26524     \mkern \dotsep mu\hbox{.}\mkern \dotsep
26525     mu$}\hfill
26526   \nobreak
26527   \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
26528   \par}%
26529 \fi}
26530
26531 \newcount\ bidi@column@check@number
26532
26533 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
26534
26535 \def\ bidi@set@column@status#1#2{%
26536   \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
26537
26538 \if@twocolumn
26539 \newcommand\ DetectColumn[3][1]{%
26540 \ifx\ bidi@firstcolumn@status@write\relax
26541   \PackageError{bidi}%
26542     {Option 'DetectColumn' not selected}%
26543     {\string\ DetectColumn\space
26544     requires the use of the 'DetectColumn'
26545     option on the package}%
26546 \fi
26547 \global\advance\ bidi@column@check@number\@ne
26548 \edef\ bidi@column@type{\expandafter\ifx
26549   \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
26550   0\else
26551   \csname bidi@column-\the\ bidi@column@check@number\endcsname
26552   \fi}%
26553 \ifcase \ bidi@column@type\relax
26554   \ifcase #1\or #2\or#3\fi   % 0 not known use first column as default
26555 \or
26556   #2%   % 1 First column
26557 \or
26558   #3%   % 2 Second (Last column)
26559 \else
26560   \ERROR
26561 \fi
26562 \edef\next{\write\@auxout
26563   {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
26564     {\ bidi@column@type}}}%
26565 \next
26566 }
26567
26568 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
26569   \ifnum #2=\ bidi@current@column@status\else

```



```

26570     \@tempswatruue
26571     \fi}%
26572 }
26573 \fi
26574
26575 \def\RTL@outputdblcol{%
26576   \if@firstcolumn
26577     \global\@firstcolumnfalse
26578     \global\setbox\@leftcolumn\copy\@outputbox
26579     \splitmaxdepth\maxdimen
26580     \vbadness\maxdimen
26581     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26582     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26583     \toks@\expandafter{\topmark}%
26584     \xdef\@firstcoltopmark{\the\toks@}%
26585     \toks@\expandafter{\splitfirstmark}%
26586     \xdef\@firstcolfirstmark{\the\toks@}%
26587     \ifx\@firstcolfirstmark\@empty
26588       \global\let\@setmarks\relax
26589     \else
26590       \gdef\@setmarks{%
26591         \let\firstmark\@firstcolfirstmark
26592         \let\topmark\@firstcoltopmark}%
26593     \fi
26594   \else
26595     \global\@firstcolumntrue
26596     \setbox\@outputbox\vbox{%
26597       \hb@xt@\textwidth{%
26598         \hskip \columnwidth
26599         \hfil
26600         {\normalcolor\vrule \@width\columnseprule}%
26601         \hfil
26602         \hb@xt@\columnwidth{%
26603           \bidi@firstcolumn@status@write%
26604           \box\@leftcolumn \hss}%
26605         \hskip -\textwidth
26606         \hb@xt@\columnwidth{%
26607           \bidi@lastcolumn@status@write%
26608           \box\@outputbox \hss}%
26609         \hskip \columnsep
26610         \hskip \columnwidth }}%
26611     \@combinedblfloats
26612     \@setmarks
26613     \@outputpage
26614     \begingroup
26615       \@dblfloatplacement
26616       \@startdblcolumn
26617       \@whilesw\if@fcolmade \fi{\@outputpage
26618         \@startdblcolumn}%
26619     \endgroup
26620   \fi}%
26621
26622 \def\LTR@outputdblcol{%
26623   \if@firstcolumn

```



```

26624 \global\@firstcolumnfalse
26625 \global\setbox\@leftcolumn\copy\@outputbox
26626 \splitmaxdepth\maxdimen
26627 \vbadness\maxdimen
26628 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26629 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26630 \toks@\expandafter{\topmark}%
26631 \xdef\@firstcoltopmark{\the\toks@}%
26632 \toks@\expandafter{\splitfirstmark}%
26633 \xdef\@firstcolfirstmark{\the\toks@}%
26634 \ifx\@firstcolfirstmark\@empty
26635 \global\let\@setmarks\relax
26636 \else
26637 \gdef\@setmarks{%
26638 \let\firstmark\@firstcolfirstmark
26639 \let\topmark\@firstcoltopmark}%
26640 \fi
26641 \else
26642 \global\@firstcolumntrue
26643 \setbox\@outputbox\vbox{%
26644 \hb@xt@\textwidth{%
26645 \hb@xt@\columnwidth{%
26646 \bidi@firstcolumn@status@write%
26647 \box\@leftcolumn \hss}%
26648 \hfil
26649 {\normalcolor\vrule \@width\columnseprule}%
26650 \hfil
26651 \hb@xt@\columnwidth{%
26652 \bidi@lastcolumn@status@write%
26653 \box\@outputbox \hss}}}%
26654 \@combinedblfloats
26655 \@setmarks
26656 \@outputpage
26657 \begingroup
26658 \@dblfloatplacement
26659 \@startdblcolumn
26660 \@whilesw\if@colmade \fi{\@outputpage
26661 \@startdblcolumn}%
26662 \endgroup
26663 \fi}%
26664
26665
26666 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
26667 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
26668 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
26669
26670 \bidi@patchcmd\@makecol{%
26671 \ifvoid\footins
26672 \setbox\@outputbox \box\@cclv
26673 \else
26674 \setbox\@outputbox \vbox {%
26675 \boxmaxdepth \@maxdepth
26676 \unvbox \@cclv
26677 \vskip \skip\footins

```



```

26678     \color@begingroup
26679     \normalcolor
26680     \footnoterule
26681     \unvbox \footins
26682     \color@endgroup
26683   }%
26684   \fi
26685 }{%
26686   \ifvoid\footins
26687     \ifvoid\@bidi@copyins@
26688       \setbox\@outputbox \box\@cclv
26689     \else
26690       \setbox\@outputbox \vbox {%
26691         \boxmaxdepth \@maxdepth
26692         \unvbox \@cclv
26693         \vskip \skip\@bidi@copyins@
26694         \color@begingroup
26695         \normalcolor
26696         \unvbox \@bidi@copyins@
26697         \color@endgroup
26698       }%
26699     \fi
26700   \else
26701     \setbox\@outputbox \vbox {%
26702       \boxmaxdepth \@maxdepth
26703       \unvbox \@cclv
26704       \vskip \skip\footins
26705       \color@begingroup
26706       \normalcolor
26707       \footnoterule
26708       \unvbox \footins
26709       \color@endgroup
26710     \ifvoid\@bidi@copyins@
26711     \else
26712       \vskip \skip\@bidi@copyins@
26713       \color@begingroup
26714       \normalcolor
26715       \unvbox \@bidi@copyins@
26716       \color@endgroup
26717     \fi
26718   }%
26719   \fi
26720 }{}{}
26721
26722 \def\LTRmarginpar{%
26723   \ifhmode
26724     \@bsphack
26725     \@floatpenalty -\@Mii
26726   \else
26727     \@floatpenalty-\@Miii
26728   \fi
26729   \ifinner
26730     \@parmoderr
26731     \@floatpenalty\z@

```



```

26732 \else
26733   \@next\@currbox\@freelist{}{}%
26734   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26735   {\@floatpenalty\z@
26736   \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26737 \fi
26738 \@ifnextchar [\@LTRxmpar\@LTRympar}
26739 \long\def\@LTRxmpar[#1]#2{%
26740   \@LTRsavemarbox\@marbox{#1}%
26741   \@LTRsavemarbox\@currbox{#2}%
26742   \@xympar}
26743 \long\def\@LTRympar#1{%
26744   \@LTRsavemarbox\@marbox{#1}%
26745   \global\setbox\@currbox\copy\@marbox
26746   \@xympar}
26747 \long\def \@LTRsavemarbox #1#2{%
26748   \global\setbox #1%
26749   \color@vbox
26750   \vtop{%
26751     \hsize\marginparwidth
26752     \@parboxrestore
26753     \@LTRmarginparreset
26754     #2%
26755     \@minipagefalse
26756     \outer@nobreak
26757     }%
26758   \color@endbox
26759 }
26760 \def \@LTRmarginparreset {%
26761   \reset@font
26762   \normalsize
26763   \@minipagetrue
26764   \everypar{\@minipagefalse\everypar{}\beginL}%
26765 }
26766 \def\RTLmarginpar{%
26767   \ifhmode
26768     \@bsphack
26769     \@floatpenalty -\@Mii
26770   \else
26771     \@floatpenalty-\@Miii
26772   \fi
26773   \ifinner
26774     \@parmoderr
26775     \@floatpenalty\z@
26776   \else
26777     \@next\@currbox\@freelist{}{}%
26778     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26779     {\@floatpenalty\z@
26780     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26781   \fi
26782   \@ifnextchar [\@RTLxmpar\@RTLympar}
26783 \long\def\@RTLxmpar[#1]#2{%
26784   \@RTLSavemarbox\@marbox{#1}%
26785   \@RTLSavemarbox\@currbox{#2}%

```



```

26786 \@xympar}
26787 \long\def\@RTLympar#1{%
26788   \@RTLSavemarbox\@marbox{#1}%
26789   \global\setbox\@currbox\copy\@marbox
26790   \@xympar}
26791 \long\def \@RTLSavemarbox #1#2{%
26792   \global\setbox #1%
26793     \color@vbox
26794     \vtop{%
26795       \hsize\marginparwidth
26796       \@parboxrestore
26797       \@RTLmarginparreset
26798       #2%
26799       \@minipagefalse
26800       \outer@nbreak
26801     }%
26802   \color@endbox
26803 }
26804 \def \@RTLmarginparreset {%
26805   \reset@font
26806   \normalsize
26807   \@minipagetrue
26808   \everypar{\@minipagefalse\everypar{}}\beginR}%
26809 }
26810 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
26811   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
26812   \if@twocolumn
26813     \if@firstcolumn \@tempcnta\m@ne \fi
26814   \else
26815     \if@mparswitch
26816       \ifodd\c@page \else\@tempcnta\m@ne \fi
26817     \fi
26818     \if@reversemargin \@tempcnta -\@tempcnta \fi
26819     \fi
26820     \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
26821     \@tempdima\@mparbottom
26822     \advance\@tempdima -\@pageht
26823     \advance\@tempdima\ht\@marbox
26824     \ifdim\@tempdima >\z@
26825       \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
26826     \else
26827       \@tempdima\z@
26828     \fi
26829     \global\@mparbottom\@pageht
26830     \global\advance\@mparbottom\@tempdima
26831     \global\advance\@mparbottom\dp\@marbox
26832     \global\advance\@mparbottom\marginparpush
26833     \advance\@tempdima -\ht\@marbox
26834     \global\setbox \@marbox
26835       \vbox {\vskip \@tempdima
26836         \box \@marbox}%
26837     \global \ht\@marbox \z@
26838     \global \dp\@marbox \z@
26839     \kern -\@pagedp

```



```

26840 \nointerlineskip
26841 \hb@xt@{columnwidth
26842   {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
26843     \hskip\columnwidth \hskip\marginparsep
26844     \else
26845       \hskip -\marginparsep \hskip -\marginparwidth
26846       \fi
26847       \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
26848 \nointerlineskip
26849 \hbox{\vrule \height\z@ \width\z@ \depth\@pagedp}}
26850 \long\def\@ympar#1{%
26851   \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
26852     \global\setbox\@currbox\copy\@marbox
26853     \@xympar}
26854 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
26855 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
26856 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
26857 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
26858   \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
26859 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
26860   \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
26861   \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
26862   \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
26863 \fi}
26864
26865 \newcommand*\@bidi@font@{outputpage}{}
26866
26867 \def\@outputpage{%
26868 \begingroup           % the \endgroup is put in by \aftergroup
26869 \let \protect \noexpand
26870 \@resetactivechars
26871 \global\let\@if@newlist\if@newlist
26872 \global\@newlistfalse
26873 \@parboxrestore
26874 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
26875 \bidi@beforeoutputpageshipouthook
26876 \shipout \vbox{%
26877   \set@typeset@protect
26878   \aftergroup \endgroup
26879   \aftergroup \set@typeset@protect
26880                   % correct? or just restore by ending
26881                   % the group?
26882 \if@specialpage
26883   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
26884 \fi
26885 \if@twoside
26886   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
26887   \if@RTLmain
26888     \let\@themargin\evensidemargin
26889   \else
26890     \let\@themargin\oddsidemargin
26891   \fi
26892 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
26893 \if@RTLmain

```




```

26894         \let\themargin\oddsidemargin
26895     \else
26896         \let\themargin\evensidemargin
26897     \fi
26898 \fi
26899 \ifx\thehead\empty \let\thehead\hfil \fi
26900 \ifx\theft\empty \let\theft\hfil \fi
26901 \else %% not @twoside
26902 \ifx\oddhead\empty \let\thehead\hfil \fi
26903 \ifx\oddft\empty \let\theft\hfil \fi
26904 \fi
26905 \resetfont
26906 \normalsize
26907 \bidi@font@@outputpage
26908 \normalsfcodes
26909 \let\label\@gobble
26910 \let\index\@gobble
26911 \let\glossary\@gobble
26912 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
26913 \@begindvi
26914 \vskip \topmargin
26915 \moveright\themargin \vbox {%
26916     \global\let\bidi@BeforeHeader\@firstofone
26917     \bidi@beforeheaderhook
26918     \setbox\tempboxa \vbox to\headheight{%
26919         \vfil
26920         \color@hbox
26921         \normalcolor
26922         \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\thehead\if@
26923         \color@endbox
26924     }%
26925     \dp\tempboxa \z@
26926     \box\tempboxa
26927     \vskip \headsep
26928     \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
26929     \bidi@beforeoutputboxoutputpagehook
26930     \box\outputbox
26931     \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
26932     \bidi@afteroutputboxoutputpagehook
26933     \global\let\bidi@BeforeFooter\@firstofone
26934     \bidi@beforefooterhook
26935     \baselineskip \footskip
26936     \color@hbox
26937     \normalcolor
26938     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\theft\if@
26939     \color@endbox
26940     \global\let\bidi@AfterFooter\@firstofone
26941     \bidi@afterfooterhook
26942     }%
26943 }%
26944 \global\let\bidi@AfterOutputPageShipOut\@firstofone
26945 \bidi@afteroutputpageshipouthook
26946 \global\let\if@newlist\@if@newlist
26947 \global \colht \textheight

```



```

26948 \stepcounter{page}%
26949 \let\firstmark\botmark
26950 \global\let\bidiatEndOutputPage\@firstofone
26951 \bidiatendoutputpagehook
26952 }
26953 \long\def\@makecaption#1#2{%
26954 \vskip\abovecaptionskip
26955 \sbox\@tempboxa{#1: #2}%
26956 \ifdim \wd\@tempboxa >\hsize
26957 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
26958 \else
26959 \global \@minipagefalse
26960 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
26961 \fi
26962 \vskip\belowcaptionskip}
26963 \let\bidisaved@eqno=\eqno
26964 \let\bidisaved@leqno=\leqno
26965 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
26966 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
26967 \@ifpackageloaded{amsmath}{-}{
26968 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
26969 }
26970 \input{footnote-xetex-bidi.def}
26971 \if@twocolumn
26972 \let\autofooterule\relax
26973 \let\leftfootnoterule\relax
26974 \let\rightfootnoterule\relax
26975 \textwidthfootnoterule
26976 \fi
26977 \if@bidicsundef{\@idxitem}{-}{%
26978 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40p}}%
26979 }
26980 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}
26981 \@ifclassloaded{article}{\@ifclassloaded{svmult}{-}{\input{article-xetex-bidi.def}}{-}}
26982 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{-}
26983 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{-}
26984 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{-}
26985 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{-}
26986 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{-}
26987 \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{-}
26988 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{-}
26989 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{-}
26990 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{-}
26991 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{-}
26992 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{-}
26993 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{-}{\input{report-xetex-bidi.def}}{-}}
26994 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{-}
26995 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{-}
26996 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{-}
26997 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{-}
26998 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{-}
26999 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{-}
27000 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{-}
27001 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{-}

```



```

27002 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
27003 \@ifclassloaded{book}{\ifpackageloaded{flowfram}{\input{book-xetex-bidi.def}}{}
27004 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
27005 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
27006 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
27007 \@ifpackageloaded{amsmath}{}%
27008 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
27009 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
27010 }
27011 \@ifpackageloaded{mathtools}{%
27012 \RequirePackage{graphicx}%
27013 \input{mathtools-xetex-bidi.def}%
27014 }{}
27015 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
27016 \@ifpackageloaded{lscap}{\RequirePackage{graphicx}}{}
27017 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
27018 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
27019 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
27020 \@ifpackagewith{algorithm2e}{algonl}{%
27021 \renewcommand{\theAlgoLine}{\expandafter\csname the\algc@float\endcsname\@SepMark\arabic{A
27022 }}{}
27023 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algc@within}{part}}{}
27024 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algc@within}{chapter}}{}
27025 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algc@within}{section}}{}
27026 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
27027 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
27028 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
27029 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
27030 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
27031 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
27032 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
27033 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
27034 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}
27035 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
27036 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
27037 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
27038 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
27039 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
27040 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}
27041 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
27042 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
27043 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
27044 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
27045 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
27046 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
27047 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
27048 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
27049 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
27050 \@ifpackageloaded{lscap}{\input{lscap-xetex-bidi.def}}{}
27051 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
27052 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
27053 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
27054 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
27055 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}

```



```

27056 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
27057 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
27058 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
27059 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
27060 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
27061 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
27062 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
27063 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
27064 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
27065 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
27066 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
27067 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
27068 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
27069 \@ifpackageloaded{letrine}{\input{letrine-xetex-bidi.def}}{}
27070 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
27071 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
27072 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
27073 \@iftextfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
27074 \@iftextfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
27075 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
27076 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
27077 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
27078 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
27079 \@ifpackagewith{sidecap}{innercaption}{%
27080 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
27081 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {#1}\hspace{\sidecaptionsep}{#2}}
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27091 \def\SC@justify@caption{\RaggedLeft}\else%
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163 File xltextra-xetex-bidi.def

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