



The bidi Package

Source documentation for version 38.6

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/kvafa/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/kvafa/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 $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ and $\mathrm{\LaTeX}$, using $\mathrm{XeT}_{\mathrm{E}}\mathrm{X}$ engine

Source documentation for [version 38.6](#)

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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\c@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
13    \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17    \endgroup
18  \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4\p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL\footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \@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 \@makefnmark%
60 \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}
61
62
63
64 \long\def\@LTRfootnotetext#1{%
65 \insert\footins{%
66 \@RTLfalse%
67 \reset@font%
68 \bidi\@LTRfootnotetext@font% \normalfont\footnotesize
69 \interlinepenalty\interfootnotelinepenalty
70 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
71 \floatingpenalty\@MM \hsize\columnwidth
72 \@parboxrestore \parindent\normalparindent \sloppy
73 \protected@edef\@currentlabel{%
74 \csname p@footnote\endcsname\@thefnmark}%
75 \@makefnmark%
76 \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84 \@bibtitlestyle
85 \normalfont\bibliofont\labelsep .5em\relax
86 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87 \if@RTL\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 \if@RTL\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\nonmath\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@algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\c@algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
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@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     \@makefntext{%
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 \@makefnfntext{%
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@L@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 \@makefnfntext{%
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}[2015/11/07 v0.3 bidi adaptations for array package for X
352 \def\@testpach{\@chclass
353   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
354   \ifnum \@lastchclass=7 5 \else
355   \ifnum \@lastchclass=8 \tw@ \else

```



```

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

```



9 File article-xetex-bidi.def

```

410 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article]
411 \if@titlepage
412   \renewcommand\maketitle{\begin{titlepage}%
413     \let\footnotesize\small
414     \let\right@footnoterule\relax
415     \let\left@footnoterule\relax
416     \let\textwidth@footnoterule\relax
417     \let\footnote\thanks
418     \let\LTRfootnote\LTRthanks
419     \let\RTLfootnote\RTLthanks
420     \null\vfil
421     \vskip 60\p@
422     \begin{center}%
423       {\LARGE \@title \par}%
424       \vskip 3em%
425       {\large
426         \lineskip .75em%
427         \begin{tabular}[t]{c}%
428           \@author
429         \end{tabular}\par}%
430       \vskip 1.5em%
431       {\large \@date \par}%           % Set date in \large size.
432     \end{center}\par
433     \@thanks
434     \vfil\null
435   \end{titlepage}%
436   \setcounter{footnote}{0}%
437   \global\let\thanks\relax
438   \global\let\LTRthanks\relax
439   \global\let\RTLthanks\relax
440   \global\let\maketitle\relax
441   \global\let\@thanks\@empty
442   \global\let\@author\@empty
443   \global\let\@date\@empty
444   \global\let\@title\@empty
445   \global\let\title\relax
446   \global\let\author\relax
447   \global\let\date\relax
448   \global\let\and\relax
449 }
450 \else
451 \renewcommand\maketitle{\par
452   \begingroup
453     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
454     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
455     \long\def\@makefntext##1{\parindent 1em\noindent
456       \hb@xt@1.8em{%
457         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
458     \if@twocolumn
459       \ifnum \col@number=\@ne
460         \@maketitle
461       \else

```



```

462     \twocolumn[\@maketitle]%
463     \fi
464     \else
465     \newpage
466     \global\@topnum\z@    % Prevents figures from going at top of page.
467     \@maketitle
468     \fi
469     \thispagestyle{plain}\@thanks
470 \endgroup
471 \setcounter{footnote}{0}%
472 \global\let\thanks\relax
473 \global\let\LTRthanks\relax
474 \global\let\RTLthanks\relax
475 \global\let\maketitle\relax
476 \global\let\@maketitle\relax
477 \global\let\@thanks\@empty
478 \global\let\@author\@empty
479 \global\let\@date\@empty
480 \global\let\@title\@empty
481 \global\let\title\relax
482 \global\let\author\relax
483 \global\let\date\relax
484 \global\let\and\relax
485 }
486 \def\@maketitle{%
487   \newpage
488   \null
489   \vskip 2em%
490   \begin{center}%
491     \let \footnote \thanks
492     \let \LTRfootnote \LTRthanks
493     \let \RTLfootnote \RTLthanks
494     {\LARGE \@title \par}%
495     \vskip 1.5em%
496     {\large
497       \lineskip .5em%
498       \begin{tabular}[t]{c}%
499         \@author
500       \end{tabular}\par}%
501     \vskip 1em%
502     {\large \@date}%
503   \end{center}%
504   \par
505   \vskip 1.5em}
506 \fi
507 \renewcommand*\l@part[2]{%
508   \ifnum \c@tocdepth >-2\relax
509     \addpenalty\@secpenalty
510     \addvspace{2.25em \@plus\p@}%
511     \setlength\@tempdima{3em}%
512     \begingroup
513       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
514       \parfillskip -\@pnumwidth
515       {\leavevmode

```



```

516     \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
517     \nobreak
518     \ifcompatibility
519         \global\@nobreaktrue
520         \everypar{\global\@nobreakfalse\everypar{}}%
521     \fi
522 \endgroup
523 \fi}
524 \renewcommand*\l@section[2]{%
525 \ifnum \c@tocdepth >\z@
526     \addpenalty\@secpenalty
527     \addvspace{1.0em \@plus\p@}%
528     \setlength\@tempdima{1.5em}%
529     \begingroup
530         \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
531         \parfillskip -\@pnumwidth
532         \leavevmode \bfseries
533         \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
534         \hskip -\if@RTL\rightskip\else\leftskip\fi
535         #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
536     \endgroup
537 \fi}
538 \renewcommand\left@footnoterule{%
539 \kern-3\p@
540 \hrule\@width.4\columnwidth
541 \kern2.6\p@}
542 \renewcommand\right@footnoterule{%
543 \kern-3\p@
544 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
545 \kern2.6\p@}
546 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
547 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
548 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
549 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
550 \def\@part[#1]#2{%
551     \ifnum \c@secnumdepth >\m@ne
552         \refstepcounter{part}%
553         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
554     \else
555         \addcontentsline{toc}{part}{#1}%
556     \fi
557     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
558     \interlinepenalty \@M
559     \normalfont
560     \ifnum \c@secnumdepth >\m@ne
561         \Large\bfseries \partname\nobreakspace\thepart
562         \par\nobreak
563     \fi
564     \huge \bfseries #2%
565     \markboth{}{}\par}%
566 \nobreak
567 \vskip 3ex
568 \@afterheading}
569 \renewenvironment{thebibliography}[1]

```




```

570 {\section*{\refname}%
571 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
572 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
573 \bidi@thebibliography@font@hook%
574 \list{\@biblabel{\@arabic\c@enumiv}}%
575 {\settowidth\labelwidth{\@biblabel{#1}}%
576 \leftmargin\labelwidth
577 \advance\leftmargin\labelsep
578 \@openbib@code
579 \usecounter{enumiv}%
580 \let\p@enumiv\@empty
581 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
582 \sloppy
583 \clubpenalty4000
584 \@clubpenalty \clubpenalty
585 \widowpenalty4000%
586 \sfcode\~.\@m}
587 {\def\@noitemerr
588 {\@latex@warning{Empty `thebibliography' environment}}}%
589 \endlist}
590 \renewenvironment{theindex}
591 {\if@twocolumn
592 \@restonecolfalse
593 \else
594 \@restonecoltrue
595 \fi
596 \columnseprule \z@
597 \columnsep 35\p@
598 \twocolumn[\section*{\indexname}]%
599 \mkboth{\MakeUppercase\indexname}%
600 {\MakeUppercase\indexname}%
601 \thispagestyle{plain}\parindent\z@
602 \parskip\z@ \@plus .3\p@\relax
603 \let\item\@idxitem}
604 {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

605 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class f
606 \renewenvironment{theindex}{%
607 \if@twocolumn
608 \@restonecolfalse
609 \else
610 \@restonecoltrue
611 \fi
612 \columnseprule \z@
613 \columnsep 35\p@
614 \twocolumn[\section*{\indexname}]%
615 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
616 \thispagestyle{plain}\parindent\z@
617 \parskip\z@ \@plus .3\p@\relax
618 \let\item\@idxitem
619 }{%
620 \if@restonecol\onecolumn\else\clearpage\fi}

```



```

621 \renewcommand*\head@style{%
622     \interlinepenalty \@M
623     \hyphenpenalty=\@M \exhyphenpenalty=\@M
624     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
625 \if@titlepage
626     \renewenvironment{abstract}{%
627         \titlepage
628         \null\vfil
629         \section*{\SectFont\abstractname}
630         \noindent\ignorespaces}
631     {\par\vfil\null\endtitlepage}
632 \else
633     \renewenvironment{abstract}{%
634         \if@twocolumn
635             \section*{\abstractname}%
636         \else
637             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
638             \section*{\small\SectFont\abstractname}%
639             \noindent\ignorespaces
640             \fi}
641     {\if@twocolumn\else\par\egroup\fi}
642 \fi
643 \renewcommand*\@regtocline[3]{%
644     \ifnum #1>\c@tocdepth
645     \else
646         \vskip\z@\@plus.2\p@
647         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
648         \if@RTL\rightskip\else\leftskip\fi\unitindent
649         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
650         \parfillskip\z@
651         \@tempdima\unitindent
652         \parindent\z@
653         \leavevmode
654         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
655         \hskip 1em \nobreak{\slshape #3}\par
656         }%
657     \fi}
658 \if@oldtoc
659 \renewcommand*\l@part[2]{%
660     \ifnum \c@tocdepth >-2\relax
661         \addpenalty\@secpenalty
662         \addvspace{2.25em \@plus\p@}%
663         \begingroup
664             \setlength\@tempdima{3em}%
665             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
666             \parfillskip -\@pnumwidth
667             {\leavevmode
668                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
669                 \nobreak
670                 \if@compatibility
671                     \global\@nobreaktrue
672                     \everypar{\global\@nobreakfalse\everypar{}}%
673             \fi
674         \endgroup

```



```

675 \fi}
676 \else
677 \renewcommand*\l@part{%
678 \ifnum \c@tocdepth >-2\relax
679 \addpenalty\@secpenalty
680 \addvspace{2.25em \@plus \p@}%
681 \@regtocline{0}%
682 \fi}
683 \fi
684 \if@oldtoc
685 \renewcommand*\l@section[2]{%
686 \addpenalty\@secpenalty
687 \addvspace{1.0em \@plus \p@}%
688 \setlength\@tempdima{1.5em}%
689 \begin{group}
690 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
691 \parfillskip -\@pnumwidth
692 \leavevmode \bfseries
693 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
694 \hskip -\if@RTL\rightskip\else\leftskip\fi
695 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
696 \endgroup}
697 \else
698 \renewcommand*\l@section{\@regtocline{1}}
699 \fi
700 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
701 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
702 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
703 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
704 \renewenvironment{thebibliography}[1]
705 {\section*\refname}%
706 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
707 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
708 \bidi\@thebibliography@font@hook%
709 \list{\@biblabel{\@arabic\c@enumiv}}%
710 {\settowidth\labelwidth{\@biblabel{#1}}%
711 \leftmargin\labelwidth
712 \advance\leftmargin\labelsep
713 \@openbib@code
714 \usecounter{enumiv}%
715 \let\p@enumiv\@empty
716 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
717 \sloppy\clubpenalty4000\widowpenalty4000%
718 \sfcode`. \@m}
719 {\def\@noitemerr
720 {\@latex@warning{Empty `thebibliography' environment}}}%
721 \endlist}
722 \renewcommand*\left@footnoterule{%
723 \kern-3\p@
724 \kern.5\baselineskip
725 \hrule\@width\unitindent
726 \kern.4\baselineskip
727 }
728 \renewcommand*\right@footnoterule{%

```



```

729 \kern-3\p@
730 \kern.5\baselineskip
731 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
732 \kern.4\baselineskip}
733 \if@titlepage
734 \renewcommand*{\TitleFont{\rmfamily}
735 \renewcommand*{\maketitle{%
736 \begin{titlepage}%
737 \let\footnotesize\small
738 \let\right@footnoterule\relax
739 \let\left@footnoterule\relax
740 \let\textwidth\footnoterule\relax
741 \let \footnote \thanks
742 \long\def\@makefntext##1{\parindent\z@
743 \def\labelitemi{\textendash}\@revlabeltrue
744 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
745 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
746 \if@compatibility\setcounter{page}{0}\fi
747 \null\vfil
748 \vskip 60\p@
749 \begin{center}%
750 \TitleFont
751 {\LARGE \def\{\{\penalty -\@M}
752 \if@allcaps
753 \expandafter\uc@nothanks\@title\thanks\relax
754 \else
755 \@title
756 \fi\par}%
757 \vskip 3em%
758 {\large
759 \lineskip .75em \parindent\z@
760 \begin{tabular}[t]{c}%
761 \if@allcaps
762 \expandafter\uc@authornothanks\@author\and\relax
763 \else
764 \@author
765 \fi
766 \end{tabular}\par}%
767 \vskip 1.5em%
768 {\large
769 \if@allcaps
770 \uppercase\expandafter{\@date}%
771 \else
772 \@date
773 \fi\par}%
774 \end{center}\par
775 \@thanks
776 \vfil\null
777 \end{titlepage}%
778 \setcounter{footnote}{0}%
779 \global\let\thanks\relax
780 \global\let\maketitle\relax
781 \global\let\@thanks\@empty
782 \global\let\@author\@empty

```



```

783 \global\let\@title\@empty
784 \global\let\@date\@empty
785 \global\let\title\relax
786 \global\let\author\relax
787 \global\let\date\relax
788 \global\let\and\relax
789 }
790 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
791 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
792 \futurelet\@tempa\uc@ax}
793 \def\uc@ax{%
794 \ifx\@tempa\relax
795 \else
796 \\\andname \\\expandafter\uc@authornothanks
797 \fi}
798 \def\uc@tx{\ifx\@tempa\relax
799 \else \expandafter\uc@ty \fi}
800 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
801 \else
802 \renewcommand*\maketitle{\par
803 \begingroup
804 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
805 \def\@makefnmark{\rlap{%
806 \@textsuperscript{\normalfont\@thefnmark}}}%
807 \long\def\@makefntext{\@xm@kefntext{%
808 \@textsuperscript{\normalfont\@thefnmark}}}%
809 \if@twocolumn
810 \ifnum \col@number=\@ne
811 \maketitle
812 \else
813 \twocolumn[\maketitle]%
814 \fi
815 \else
816 \newpage
817 \global\@topnum\z@
818 \maketitle
819 \fi
820 \thispagestyle{plain}\@thanks
821 \endgroup
822 \setcounter{footnote}{0}%
823 \global\let\thanks\relax
824 \global\let\maketitle\relax
825 \global\let\@maketitle\relax
826 \global\let\@thanks\@empty
827 \global\let\@author\@empty
828 \global\let\@title\@empty
829 \global\let\@date\@empty
830 \global\let\title\relax
831 \global\let\author\relax
832 \global\let\date\relax
833 \global\let\and\relax
834 }
835 \def\@maketitle{%
836 \newpage

```



```

837 \null
838 \vskip 2em%
839 \begin{center}%
840   \let \footnote \thanks
841   {\LARGE \TitleFont \@title \par}%
842   \vskip 1.5em%
843   {\large \TitleFont
844     \lineskip .5em%
845     \begin{tabular}[t]{c}%
846       \@author
847     \end{tabular}\par}%
848   \vskip 1em%
849   {\large \TitleFont \@date}%
850 \end{center}%
851 \par
852 \vskip 1.5em}
853 \fi

```

11 File artikel2-xetex-bidi.def

```

854 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class f
855 \renewenvironment{theindex}{%
856   \if@twocolumn
857     \@restonecolfalse
858   \else
859     \@restonecoltrue
860   \fi
861   \columnseprule \z@
862   \columnsep 35\p@
863   \twocolumn[\section*{\indexname}]%
864   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
865   \thispagestyle{plain}\parindent\z@
866   \parskip\z@ \@plus .3\p@\relax
867   \let\item\@idxitem
868   }{%
869   \if@restonecol\onecolumn\else\clearpage\fi}
870 \renewcommand*{\@regtocline}[3]{%
871   \ifnum #1>\c@tocdepth
872   \else
873     \vskip\z@ \@plus.2\p@
874     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
875       \if@RTL\righskip\else\leftskip\fi\unitindent
876       \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
877       \parfillskip\z@
878       \@tempdima\unitindent
879       \advance\@tempdima by \othermargin
880       \parindent\z@
881       \leavevmode
882       \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
883         \hskip 1em \nobreak{\slshape #3}\par
884       }%
885   \fi}
886 \if@oldtoc
887 \renewcommand*\l@section[2]{%

```



```

888 \addpenalty\@secpenalty
889 \addvspace{1.0em \@plus\p@}%
890 \setlength\@tempdima{1.5em}%
891 \begingroup
892 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
893 \parfillskip -\@pnumwidth
894 \leavevmode \bfseries
895 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
896 \hskip -\if@RTL\rightskip\else\leftskip\fi
897 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
898 \endgroup}
899 \else
900 \renewcommand*\l@section{\@regtocline{1}}
901 \fi
902 \if@oldtoc
903 \renewcommand*\l@part[2]{%
904 \ifnum \c@tocdepth >-2\relax
905 \addpenalty\@secpenalty
906 \addvspace{2.25em \@plus\p@}%
907 \begingroup
908 \setlength\@tempdima{3em}%
909 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
910 \parfillskip -\@pnumwidth
911 {\leavevmode
912 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
913 \nobreak
914 \if@compatibility
915 \global\@nobreaktrue
916 \everypar{\global\@nobreakfalse\everypar{}}%
917 \fi
918 \endgroup
919 \fi}
920 \else
921 \renewcommand*\l@part{%
922 \ifnum \c@tocdepth >-2\relax
923 \addpenalty\@secpenalty
924 \addvspace{2.25em \@plus\p@}%
925 \@regtocline{0}%
926 \fi}
927 \fi
928 \renewcommand*\head@style{%
929 \interlinepenalty \@M
930 \hyphenpenalty=\@M \exhyphenpenalty=\@M
931 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
932 \if@titlepage
933 \renewenvironment{abstract}{%
934 \titlepage
935 \null\vfil
936 \section*{\SectFont\abstractname}%
937 \noindent\ignorespaces}
938 {\par\vfil\null\endtitlepage}
939 \else
940 \renewenvironment{abstract}{%
941 \if@twocolumn

```



```

942     \section*{\abstractname}%
943 \else
944     \section*{\hskip\unitindent\small\SectFont\abstractname}%
945     \list*{\setlength\listparindent{\unitindent}%
946           \setlength\parindent    {\z@}%
947           \setlength\leftmargin   {\unitindent}%
948           \setlength\rightmargin  {\unitindent}%
949           \setlength\parsep      {\z@}}%
950     \item[]%
951 \fi}
952 {\if@twocolumn\else\par\endlist\fi}
953 \fi
954 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
955 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
956 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
957 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
958 \renewcommand*\left@footnoterule{%
959   \kern-3\p@
960   \hrule\@width 3\unitindent
961   \kern 2.6\p@
962 }
963 \renewcommand*\right@footnoterule{%
964   \kern-3\p@
965   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
966   \kern 2.6\p@}
967 \renewenvironment{thebibliography}[1]
968   {\section*{\refname}%
969     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
970     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
971     \bidi@thebibliography@font@hook%
972     \list{\@biblabel{\@arabic\c@enumiv}}%
973           {\settowidth\labelwidth{\@biblabel{#1}}%
974           \leftmargin\labelwidth
975           \advance\leftmargin\labelsep
976           \@openbib@code
977           \usecounter{enumiv}%
978           \let\p@enumiv\@empty
979           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
980     \sloppy\clubpenalty4000\widowpenalty4000%
981     \sfcode\`.\@m}
982 {\def\@noitemerr
983   {\@latex@warning{Empty `thebibliography' environment}}}%
984 \endlist}
985 \if@titlepage
986 \renewcommand*\TitleFont{\rmfamily}
987 \renewcommand*\maketitle{%
988   \begin{titlepage}%
989     \let\footnotesize\small
990     \let\right@footnoterule\relax
991     \let\left@footnoterule\relax
992     \let\textwidth\footnoterule\relax
993     \let \footnote \thanks
994     \long\def\@makefntext##1{\parindent\z@
995       \def\labelitemi{\textendash}\@revlabeltrue

```




```

996      \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
997      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
998      \if@compatibility\setcounter{page}{0}\fi
999      \null\vfil
1000     \vskip 60\p@
1001     \begin{center}%
1002       \TitleFont
1003       {\LARGE \def\\{\penalty -\@M}
1004         \if@allcaps
1005           \expandafter\uc@nothanks\@title\thanks\relax
1006         \else
1007           \@title
1008           \fi\par}%
1009     \vskip 3em%
1010     {\large
1011       \lineskip .75em \parindent\z@
1012       \begin{tabular}[t]{c}%
1013         \if@allcaps
1014           \expandafter\uc@authornothanks\@author\and\relax
1015         \else
1016           \@author
1017         \fi
1018       \end{tabular}\par}%
1019     \vskip 1.5em%
1020     {\large
1021       \if@allcaps
1022         \uppercase\expandafter{\@date}%
1023       \else
1024         \@date
1025       \fi\par}%
1026     \end{center}\par
1027     \@thanks
1028     \vfil\null
1029   \end{titlepage}%
1030   \setcounter{footnote}{0}%
1031   \global\let\thanks\relax
1032   \global\let\maketitle\relax
1033   \global\let\@thanks\@empty
1034   \global\let\@author\@empty
1035   \global\let\@title\@empty
1036   \global\let\@date\@empty
1037   \global\let\title\relax
1038   \global\let\author\relax
1039   \global\let\date\relax
1040   \global\let\and\relax
1041 }
1042 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1043 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1044   \futurelet\@tempa\uc@ax}
1045 \def\uc@ax{%
1046   \ifx\@tempa\relax
1047   \else
1048     \ \andname \ \ \expandafter\uc@authornothanks
1049   \fi}

```



```

1050 \def\uc@tx{\ifx\@tempa\relax
1051     \else \expandafter\uc@ty \fi}
1052 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1053 \else
1054 \renewcommand*\maketitle{\par
1055     \begingroup
1056     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1057     \long\def\@makefntext##1{\parindent\z@
1058         \def\labelitemi{\textendash}%
1059         \leavevmode\hb@xt@.5\unitindent{%
1060             \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1061     \if@twocolumn
1062         \ifnum \col@number=\@ne
1063             \@maketitle
1064         \else
1065             \twocolumn[\@maketitle]%
1066         \fi
1067     \else
1068         \newpage
1069         \global\@topnum\z@
1070         \@maketitle
1071     \fi
1072     \thispagestyle{plain}\@thanks
1073 \endgroup
1074 \setcounter{footnote}{0}%
1075 \global\let\thanks\relax
1076 \global\let\maketitle\relax
1077 \global\let\@maketitle\relax
1078 \global\let\@thanks\@empty
1079 \global\let\@author\@empty
1080 \global\let\@title\@empty
1081 \global\let\@date\@empty
1082 \global\let\title\relax
1083 \global\let\author\relax
1084 \global\let\date\relax
1085 \global\let\and\relax
1086 }
1087 \def\@maketitle{%
1088     \newpage
1089     \null
1090     \vskip 2em%
1091     \begin{center}%
1092         \let \footnote \thanks
1093         {\LARGE \TitleFont \@title \par}%
1094         \vskip 1.5em%
1095         {\large \TitleFont
1096             \lineskip .5em%
1097             \begin{tabular}[t]{c}%
1098                 \@author
1099             \end{tabular}\par}%
1100         \vskip 1em%
1101         {\large \TitleFont \@date}%
1102     \end{center}%
1103     \par

```



```

1104 \vskip 1.5em}
1105 \fi

```

12 File artikel3-xetex-bidi.def

```

1106 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class f
1107 \renewenvironment{theindex}{\%
1108 \if@twocolumn
1109 \@restonecolfalse
1110 \else
1111 \@restonecoltrue
1112 \fi
1113 \columnseprule \z@
1114 \columnsep 35\p@
1115 \twocolumn[\section*{\indexname}]\%
1116 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}\%
1117 \thispagestyle{plain}\parindent\z@
1118 \parskip\z@ \@plus .3\p@\relax
1119 \let\item\@idxitem
1120 }\%
1121 \if@restonecol\onecolumn\else\clearpage\fi}
1122 \renewcommand*{\head@style}{\%
1123 \interlinepenalty \@M
1124 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1125 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1126 \renewcommand*{\regtocline}[3]{\%
1127 \ifnum #1>\c@tocdepth
1128 \else
1129 \vskip\z@ \@plus .2\p@
1130 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
1131 \if@RTL\rightskip\else\leftskip\fi\unitindent
1132 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1133 \parfillskip\z@
1134 \@tempdima\unitindent
1135 \parindent\z@
1136 \leavevmode
1137 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1138 \hskip 1em \nobreak{\slshape #3}\par
1139 }\%
1140 \fi}
1141 \if@oldtoc
1142 \renewcommand*{\l@part}[2]{\%
1143 \ifnum \c@tocdepth >-2\relax
1144 \addpenalty\@secpenalty
1145 \addvspace{2.25em \@plus\p@}\%
1146 \begingroup
1147 \setlength{\tempdima}{3em}\%
1148 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1149 \parfillskip -\@pnumwidth
1150 {\leavevmode
1151 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1152 \nobreak
1153 \if@compatibility
1154 \global\@nobreaktrue

```



```

1155     \everypar{\global\@nobreakfalse\everypar{}}%
1156     \fi
1157   \endgroup
1158 \fi}
1159 \else
1160   \renewcommand*\l@part{%
1161     \ifnum \c@tocdepth >-2\relax
1162       \addpenalty\@secpenalty
1163       \addvspace{2.25em \@plus \p@}%
1164       \@regtocline{0}%
1165     \fi}
1166 \fi
1167
1168 \if@oldtoc
1169 \renewcommand*\l@section[2]{%
1170   \addpenalty\@secpenalty
1171   \addvspace{1.0em \@plus \p@}%
1172   \setlength\@tempdima{1.5em}%
1173   \begingroup
1174   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1175   \parfillskip -\@pnumwidth
1176   \leavevmode \bfseries
1177   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
1178   \hskip -\if@RTL\rightskip\else\leftskip\fi
1179   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1180   \endgroup}
1181 \else
1182   \renewcommand*\l@section{\@regtocline{1}}
1183 \fi
1184 \if@titlepage
1185   \renewenvironment{abstract}{%
1186     \titlepage
1187     \null\vfil
1188     \section*{\SectFont\abstractname}%
1189     \noindent\ignorespaces}
1190     {\par\vfil\null\endtitlepage}
1191 \else
1192   \renewenvironment{abstract}{%
1193     \if@twocolumn
1194       \section*{\abstractname}%
1195     \else
1196       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1197       \section*{\small\SectFont\abstractname}%
1198       \noindent\ignorespaces
1199     \fi}
1200     {\if@twocolumn\else\par\egroup\fi}
1201 \fi
1202 \renewcommand*\left@footnoterule{%
1203   \kern-3\p@
1204   \kern.5\baselineskip
1205   \hrule\@width\unitindent
1206   \kern.4\baselineskip
1207 }
1208 \renewcommand*\right@footnoterule{%

```



```

1209 \kern-3\p@
1210 \kern.5\baselineskip
1211 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1212 \kern.4\baselineskip}
1213 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1214 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1215 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1216 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1217 \renewenvironment{thebibliography}[1]
1218     {\section*\refname}%
1219     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1220     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1221     \bidi@thebibliography@font@hook%
1222     \list{\@biblabel{\@arabic\c@enumiv}}%
1223         {\settowidth\labelwidth{\@biblabel{#1}}%
1224         \leftmargin\labelwidth
1225         \advance\leftmargin\labelsep
1226         \@openbib@code
1227         \usecounter{enumiv}%
1228         \let\p@enumiv\@empty
1229         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1230     \sloppy\clubpenalty4000\widowpenalty4000%
1231     \sfcode`.\@m}
1232     {\def\@noitemerr
1233     {\@latex@warning{Empty `thebibliography' environment}}}%
1234     \endlist}
1235 \if@titlepage
1236 \renewcommand*\TitleFont{\rmfamily}
1237 \renewcommand*\maketitle{%
1238 \begin{titlepage}%
1239 \let\footnotesize\small
1240 \let\right@footnoterule\relax
1241 \let\left@footnoterule\relax
1242 \let\textwidth\footnoterule\relax
1243 \let \footnote \thanks
1244 \long\def\@makefntext##1{\parindent\z@
1245 \def\labelitemi{\textendash}\@revlabeltrue
1246 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1247 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1248 \if@compatibility\setcounter{page}{0}\fi
1249 \null\vfil
1250 \vskip 60\p@
1251 \begin{center}%
1252 \TitleFont
1253 {\LARGE \def\\{\penalty -\@M}
1254 \if@allcaps
1255 \expandafter\uc@nothanks\@title\thanks\relax
1256 \else
1257 \@title
1258 \fi\par}%
1259 \vskip 3em%
1260 {\large
1261 \lineskip .75em \parindent\z@
1262 \begin{tabular}[t]{c}%

```



```

1263         \if@allcaps
1264         \expandafter\uc@authornothanks \@author\and\relax
1265         \else
1266         \@author
1267         \fi
1268     \end{tabular}\par}%
1269     \vskip 1.5em%
1270     {\large
1271     \if@allcaps
1272     \uppercase\expandafter{\@date}%
1273     \else
1274     \@date
1275     \fi\par}%
1276     \end{center}\par
1277     \@thanks
1278     \vfil\null
1279 \end{titlepage}%
1280 \setcounter{footnote}{0}%
1281 \global\let\thanks\relax
1282 \global\let\maketitle\relax
1283 \global\let\@thanks\@empty
1284 \global\let\@author\@empty
1285 \global\let\@title\@empty
1286 \global\let\@date\@empty
1287 \global\let\title\relax
1288 \global\let\author\relax
1289 \global\let\date\relax
1290 \global\let\and\relax
1291 }
1292 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1293 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1294     \futurelet\@tempa\uc@ax}%
1295 \def\uc@ax{%
1296     \ifx\@tempa\relax
1297     \else
1298     \ \andname \ \ \expandafter\uc@authornothanks
1299     \fi}
1300 \def\uc@tx{\ifx\@tempa\relax
1301     \else \expandafter\uc@ty \fi}
1302 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1303 \else
1304 \renewcommand*\maketitle{\par
1305     \begin{group}
1306     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1307     \def\@makefnmark{\rlap{%
1308         \@textsuperscript{\normalfont\@thefnmark}}}%
1309     \long\def\@makefntext{\@xmakefntext{%
1310         \@textsuperscript{\normalfont\@thefnmark}}}%
1311     \if@twocolumn
1312     \ifnum \col@number=\@ne
1313     \@maketitle
1314     \else
1315     \twocolumn[\@maketitle]%
1316     \fi

```



```

1317 \else
1318 \newpage
1319 \global\@topnum\z@
1320 \@maketitle
1321 \fi
1322 \thispagestyle{plain}\@thanks
1323 \endgroup
1324 \setcounter{footnote}{0}%
1325 \global\let\thanks\relax
1326 \global\let\maketitle\relax
1327 \global\let\@maketitle\relax
1328 \global\let\@thanks\@empty
1329 \global\let\@author\@empty
1330 \global\let\@title\@empty
1331 \global\let\@date\@empty
1332 \global\let\title\relax
1333 \global\let\author\relax
1334 \global\let\date\relax
1335 \global\let\and\relax
1336 }
1337 \def\@maketitle{%
1338 \newpage
1339 \null
1340 \vskip 2em%
1341 \if@titlecentered
1342 \begin{center}%
1343 \let \footnote \thanks
1344 {\LARGE \TitleFont \@title \par}%
1345 \vskip 1.5em%
1346 {\large \TitleFont
1347 \lineskip .5em%
1348 \begin{tabular}[t]{c}%
1349 \@author
1350 \end{tabular}\par}%
1351 \vskip 1em%
1352 {\large \TitleFont \@date}%
1353 \end{center}%
1354 \else
1355 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1356 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1357 \def\and{%% \begin{tabular} has already started
1358 \end{tabular}\hskip 1em plus .17fil
1359 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}%
1360 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}%
1361 \vskip 1em {\large \TitleFont \@date}
1362 \fi
1363 \par
1364 \vskip 1.5em}
1365 \fi

```

13 File arydshln-xetex-bidi.def

```

1366 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1367 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTL\tab\egroup\endR\egroup\fi\egroup

```



```

1368 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1369 \expandafter\let\csname endtabular*\endcsname\endtabular
1370 \let\adl@array\@array
1371 \def\@array{\adl@everyvbox\everyvbox
1372     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1373     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1374     \let\adl@noalign\noalign
1375     \adl@array}
1376 \ifadl@usingarypkg
1377 \def\@testpach{\@chclass
1378 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1379 \ifnum \@lastchclass=7 5 \else
1380 \ifnum \@lastchclass=8 \tw@ \else
1381 \ifnum \@lastchclass=9 \thr@@
1382 \else \z@
1383 \ifnum \@lastchclass = 10 \else
1384 \edef\@nextchar{\expandafter\string\@nextchar}%
1385 \@chnum
1386 \if \@nextchar c\z@ \else
1387 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1388 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1389 \z@ \@chclass
1390 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1391 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1392 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1393 \if \@nextchar !6 \else
1394 \if \@nextchar @7 \else
1395 \if \@nextchar <8 \else
1396 \if \@nextchar >9 \else
1397 10
1398 \@chnum
1399 \if \@nextchar m\thr@@\else
1400 \if \@nextchar p4 \else
1401 \if \@nextchar b5 \else
1402 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1403 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1404
1405 \def\@classz{\@classx
1406     \@tempcnta \count@
1407     \prepnext@tok
1408     \@addtopreamble{\ifcase \@chnum
1409         \hfil
1410         \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1411         \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1412         \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1413         \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1414         \adl@endmbox\or
1415         \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1416         \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1417         \fi}\prepnext@tok}
1418 \def\adl@class@start{4}
1419 \def\adl@class@iiiorvii{7}
1420
1421 \else

```




```

1422 \def \@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1423     \ifnum \@lastchclass=\thr@@ 5\relax \else
1424         \z@ \if #1c\@chnum \z@ \else
1425             \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1426             \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1427         \@chclass
1428             \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1429             \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1430             \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1431             \if #1@\tw@ \else
1432             \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1433     \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1434
1435 \def \@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1436     \or \or \@addamp \or
1437     \@acolampacol \or \@firststampfalse \@acol \fi
1438     \edef \@preamble{\@preamble
1439         \ifcase \@chnum
1440             \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1441             \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1442             \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1443 \def \@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1444     \or \or \@addamp \or
1445     \@acolampacol \or \@firststampfalse \@acol \fi
1446     \edef \@preamble{\@preamble
1447         \ifcase \@chnum
1448             \hfil\adl@putlrc{\@sharp\unskip}\hfil
1449             \or \adl@putlrc{\@sharp\unskip}\hfil
1450             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1451 \def \adl@class@start{6}
1452 \def \adl@class@iiiorvii{3}
1453 \fi
1454 \ifpackageloaded{colortbl}{%
1455 \def \adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1456 \def \adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1457     \let\@endpbox\adl@org@endpbox}
1458 \let \adl@CT@setup\CT@setup
1459 \def \CT@setup{\adl@CT@setup
1460     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1461     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1462     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1463 \let \adl@act@CT@setup\CT@setup
1464 \def \@classz{\@classx
1465     \@tempcnta\count@ \prepnext@tok
1466     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1467     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1468     \expandafter\adl@extract@drsc
1469         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1470     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1471     \@addtopreamble{\if@RTL\beginL\fi%
1472         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1473         \ifcase \@chnum
1474             \hskip\stretch{.5}\kern\z@
1475             \dollarbegin

```



```

1476             \insert@column
1477             \d@llarend\hskip\stretch{.5}%
1478         \or \d@llarbegin \insert@column \d@llarend \hfill
1479         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1480         \or $\vcenter
1481             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1482         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1483         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1484         \fi
1485     \if@RTL\endR\fi\egroup\egroup
1486     \beginngroup
1487         \CT@setup
1488         \CT@column@color
1489         \CT@row@color
1490         \CT@cell@color
1491         \CT@do@color
1492     \endgroup
1493     \@tempdima\ht\z@
1494     \advance\@tempdima\minrowclearance
1495     \vrule\@height\@tempdima\@width\z@
1496     \unhbox\z@\if@RTL\endL\fi}%
1497     \prepnext@tok}
1498 \let\adl@act@classz\@classz
1499 \let\adl@org@classz\@classz
1500 }{}

```

14 File beamer-xetex-bidi.def

```

1501 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for Xe
1502 \AtBeginDocument{%
1503     \if@RTLmain
1504         \raggedleft
1505     \else
1506         \raggedright
1507     \fi
1508 }
1509
1510 \renewcommand*{\bidi@beamer@ragged}{%
1511     \if@RTL
1512         \raggedleft
1513     \else
1514         \raggedright
1515     \fi
1516 }
1517
1518

```

15 File beamerbaseauxtemplates-xetex-bidi.def

```

1519 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2022/06/06 v0.2 bidi adaptations for be
1520 \bidi@csundef{beamer@tmpop@section in toc@circle}
1521
1522 \bidi@csundef{beamer@tmpop@subsection in toc@circle}
1523

```



```

1524 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1525
1526 \defbeamertemplate{section in toc}{circle}
1527 {\leavevmode\bidi@beamer@leftskip=2ex%
1528   \llap{%
1529     \usebeamerfont*{section number projected}%
1530     \usebeamercolor{section number projected}%
1531     \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1532       \color{bg}
1533       \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1534       \pgfusepath{fill}
1535       \pgftext[base]{\color{fg}\inserttocsectionnumber}
1536     \end{pgfpicture}\kern1.25ex%
1537   }%
1538   \inserttocsection\par}
1539
1540 \defbeamertemplate{subsection in toc}{circle}
1541 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1542
1543 \defbeamertemplate{subsubsection in toc}{circle}
1544 {\leavevmode\normalsize\usebeamerfont{subsection in
1545   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1546   \inserttocsubsubsection\par}
1547
1548 \bidi@csundef{beamer@@tmpop@section in toc@square}
1549
1550 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1551
1552 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1553
1554 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1555
1556 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1557
1558 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}
1559
1560 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1561
1562 \defbeamertemplate{section in toc}{square}
1563 {\leavevmode\bidi@beamer@leftskip=1.75ex%
1564   \llap{{%
1565     \usebeamerfont*{section number projected}%
1566     \usebeamercolor[bg]{section number projected}%
1567     \if@RTL
1568     \else
1569       \vrule width2.25ex height1.85ex depth.4ex%
1570       \hskip-2.25ex%
1571     \fi
1572     \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}}%
1573     \if@RTL
1574       \hskip-2.25ex%
1575       \vrule width2.25ex height1.85ex depth.4ex%
1576     \fi
1577   }}%

```



```

1578 \kern1.25ex\inserttocsection\par}
1579
1580 \defbeamertemplate{subsection in toc}{square}
1581 {\leavevmode\bidibeamer@leftskip=5ex\llap{%
1582   \usebeamercolor[bg]{subsection number projected}%
1583   \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1584
1585 \defbeamertemplate{subsubsection in toc}{square}
1586 {\leavevmode\normalsize\usebeamerfont{subsection in
1587   toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1588   \llap{%
1589     \usebeamercolor[bg]{subsubsection number projected}%
1590     \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1591
1592 \defbeamertemplate{enumerate item}{square}
1593 {
1594   \hbox{%
1595     \usebeamerfont*{item projected}%
1596     \usebeamercolor[bg]{item projected}%
1597     \if@RTL
1598     \else
1599       \vrule width2.25ex height1.85ex depth.4ex%
1600       \hskip-2.25ex%
1601     \fi
1602     \hbox to2.25ex{%
1603       \hfil%
1604       \color{fg}\insertenumlabel%
1605       \hfil}}%
1606     \if@RTL
1607       \hskip-2.25ex%
1608       \vrule width2.25ex height1.85ex depth.4ex%
1609     \fi
1610   }%
1611 }
1612 [action]
1613 {\setbeamerfont{item projected}{size=\scriptsize}}
1614
1615 \defbeamertemplate{enumerate subitem}{square}
1616 {
1617   \hbox{%
1618     \usebeamerfont*{subitem projected}%
1619     \usebeamercolor[bg]{subitem projected}%
1620     \if@RTL
1621     \else
1622       \vrule width2.25ex height1.85ex depth.4ex%
1623       \hskip-2.25ex%
1624     \fi
1625     \hbox to2.25ex{%
1626       \hfil%
1627       \color{fg}\insertsubenumlabel%
1628       \hfil}}%
1629     \if@RTL
1630       \hskip-2.25ex%
1631       \vrule width2.25ex height1.85ex depth.4ex%

```



```

1632     \fi
1633   }}%
1634 }
1635
1636 \defbeamertemplate{enumerate subsubitem}{square}
1637 {
1638   \hbox{%
1639     \usebeamerfont*{subitem projected}%
1640     \usebeamercolor[bg]{subsubitem projected}%
1641     \if@RTL
1642     \else
1643       \vrule width2.25ex height1.85ex depth.4ex%
1644       \hskip-2.25ex%
1645     \fi
1646     \hbox to2.25ex{%
1647       \hfil%
1648       \color{fg}\insertsubsubenumlabel%
1649       \hfil}}%
1650     \if@RTL
1651       \hskip-2.25ex%
1652       \vrule width2.25ex height1.85ex depth.4ex%
1653     \fi
1654   }}%
1655 }
1656
1657 \defbeamertemplate{enumerate mini template}{square}
1658 {
1659   \hbox{%
1660     \usebeamerfont*{\beameritemnestingprefix item projected}%
1661     \usebeamercolor[bg]{\beameritemnestingprefix item projected}%
1662     \if@RTL
1663     \else
1664       \vrule width2.25ex height1.85ex depth.4ex%
1665       \hskip-2.25ex%
1666     \fi
1667     \hbox to2.25ex{%
1668       \hfil%
1669       \color{fg}\insertenumlabel%
1670       \hfil}}%
1671     \if@RTL
1672       \hskip-2.25ex%
1673       \vrule width2.25ex height1.85ex depth.4ex%
1674     \fi
1675   }}%
1676 }
1677
1678 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1679
1680 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1681
1682 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1683
1684 \defbeamertemplate{section in toc}{ball}
1685 {\leavevmode\bidi@beamer@leftskip=2.75ex%

```



```

1686 \llap{%
1687   \normalsize%
1688   \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1689     \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1690     \pgftext{%
1691       \usebeamerfont*{section number projected}%
1692       \usebeamerfont*{section number projected}%
1693       \color{fg!90!bg}%
1694       \inserttocsectionnumber}
1695   \end{pgfpicture}%
1696   \kern1.25ex}%
1697 \inserttocsection\par
1698 }
1699 [action]
1700 {\setbeamerfont{section number projected}{size=\scriptsize}}
1701
1702 \defbeamertemplate{subsection in toc}{ball}
1703 {\leavevmode\bidibeamer@leftskip=5ex%
1704   \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1705   \inserttocsubsection\par%
1706 }
1707
1708 \defbeamertemplate{subsubsection in toc}{ball}
1709 {\leavevmode\normalsize\usebeamerfont{subsection in
1710   toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1711   \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1712   \inserttocsubsubsection\par%
1713 }
1714
1715 \bidicsundef{beamer@@tmpop@block begin@rounded}
1716
1717 \bidicsundef{beamer@@tmpop@block alerted begin@rounded}
1718
1719 \bidicsundef{beamer@@tmpop@block example begin@rounded}
1720
1721 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1722 {%
1723   \par\vskip\medskipamount%
1724   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1725     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1726     \bidibeamer@ragged%
1727     \usebeamerfont{block body}%
1728   }
1729
1730 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1731 {%
1732   \par\vskip\medskipamount%
1733   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1734     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1735     \bidibeamer@ragged%
1736     \usebeamerfont{block body alerted}%
1737   }%
1738
1739 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]

```



```

1740 {%
1741   \par\vskip\medskipamount%
1742   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]
1743     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1744     \bidi@beamer@ragged%
1745     \usebeamerfont{block body example}%
1746 }%
1747

```

16 File beamerbaseboxes-xetex-bidi.def

```

1748 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbas
1749 \renewcommand\beamerboxesrounded[2] [] {%
1750   \global\let\beamer@firstlineitemizeunskip=\relax%
1751   \vbox\bgroup%
1752   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1753   \setkeys{beamerboxes}{#1}%
1754   {%
1755     \usebeamercolor{\bmb@lower}%
1756     \globalcolorstrue%
1757     \colorlet{lower.bg}{bg}%
1758   }%
1759   {%
1760     \usebeamercolor{\bmb@upper}%
1761     \globalcolorstrue%
1762     \colorlet{upper.bg}{bg}%
1763   }%
1764   %
1765   % Typeset head
1766   %
1767   \vskip4bp
1768   \setbox\bmb@box=\hbox{%
1769     \begin{minipage}[b]{\bmb@width}%
1770       \usebeamercolor{fg}{\bmb@upper}%
1771       #2%
1772     \end{minipage}}%
1773   \ifdim\wd\bmb@box=0pt%
1774     \setbox\bmb@box=\hbox{%
1775       \ht\bmb@box=1.5pt%
1776       \bmb@prevheight=-4.5pt%
1777     \else%
1778       \wd\bmb@box=\bmb@width%
1779       \bmb@temp=\dp\bmb@box%
1780       \ifdim\bmb@temp<1.5pt%
1781         \bmb@temp=1.5pt%
1782       \fi%
1783       \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1784       \dp\bmb@box=0pt%
1785       \bmb@prevheight=\ht\bmb@box%
1786     \fi%
1787     \bmb@temp=\bmb@width%
1788     \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1789     \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1790     \hbox{%

```



```

1791 \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1792 \ifdim\wd\bmb@box=0pt%
1793 \color{lower.bg}%
1794 \else%
1795 \color{upper.bg}%
1796 \fi%
1797 \pgfpathqmoveto{-4bp}{-1bp}
1798 \pgfpathqcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1799 \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1800 \pgfpathcurveto%
1801 {\pgfpoint{\bmb@dima}{3bp}}%
1802 {\pgfpoint{\bmb@dimb}{1.2bp}}%
1803 {\pgfpoint{\bmb@dimb}{-1bp}}%
1804 \bmb@dima=-\ht\bmb@box%
1805 \advance\bmb@dima by-2pt%
1806 \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1807 \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1808 \pgfusepath{fill}
1809 \end{pgfpicture}%
1810 \copy\bmb@box%
1811 }%
1812 \nointerlineskip%
1813 \vskip-1pt%
1814 \ifdim\wd\bmb@box=0pt%
1815 \else%
1816 \hbox{%
1817 \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1818 \bmb@dima=\bmb@width%
1819 \advance\bmb@dima by8bp%
1820 \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1821 \pgfusepath{clip}
1822 {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuses shading{\bmb@transi
1823 \end{pgfpicture}%
1824 }%
1825 \nointerlineskip%
1826 \vskip-0.5pt%
1827 \fi%
1828 \setbox\bmb@colorbox=\hbox{\pgfpicturetrue\pgfsetcolor{lower.bg}}}%
1829 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1830 \vskip2pt%
1831 \usebeamercolor[fg]{\bmb@lower}%
1832 \colorlet{beamerstructure}{upper.bg}%
1833 \colorlet{structure}{upper.bg}%
1834 %\color{.}%
1835 \@bidi@list@minipage@parboxfalse
1836 }
1837
1838 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1839 \begingroup
1840 \@RTLfalse
1841 }{}{}
1842
1843

```



17 File beamerbasecolor-xetex-bidi.def

```

1844 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerbas
1845 \renewenvironment{beamercolorbox}[2] [] {%
1846   \def\beamer@vmode{\leavevmode}%
1847   \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1848     leftskip=0pt,rightskip=0pt plus1fil,%
1849     sep=0pt,colsep=0pt,colsep*=0pt,%
1850     shadow=false,rounded=false,ignorebg=false}%
1851   \if@RTL
1852     \setkeys{beamercolbox}{rightskip=0pt,leftskip=0pt plus1fil}%
1853   \else
1854     \setkeys{beamercolbox}{leftskip=0pt,rightskip=0pt plus1fil}%
1855   \fi
1856   \setkeys{beamercolbox}{#1}%
1857   \ifbeamercoloreempty[bg]{#2}{\@tempswafalse}{\@tempswatruetrue}%
1858   \ifbeamer@colbox@ignorebg\@tempswafalse\fi%
1859   \def\beamer@colbox@color{#2}%
1860   \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1861     \ifbeamer@colbox@ignorebg%
1862       \colorlet{beamer@temp@color}{bg}%
1863       \usebeamercolor[fg]{#2}%
1864       \colorlet{bg}{beamer@temp@color}%
1865     \else%
1866       \usebeamercolor[fg]{#2}%
1867     \fi%
1868     \beginL
1869     \vbox\bgroup%
1870     \hsize=\beamer@colbox@wd%
1871     \@arrayparboxrestore%
1872     \leftskip=\beamer@colbox@ls%
1873     \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
1874     \rightskip=\beamer@colbox@rs%
1875     \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
1876     \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
1877       \advance\leftskip by\beamer@colbox@colsep%
1878       \advance\rightskip by\beamer@colbox@colsep%
1879       \vskip\beamer@colbox@colsep%
1880     \fi%
1881     \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1882     \fi%
1883     \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1884     \beamer@vmode\ignorespaces}%
1885     \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1886     \if@tempswa
1887       \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
1888       \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1889     \fi%
1890   \egroup\endL\color@endgroup\egroup%
1891   \wd\beamer@tempbox=\beamer@colbox@wd%
1892   \ifx\beamer@colbox@ht\empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
1893   \ifx\beamer@colbox@dp\empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
1894   \ifbeamer@colbox@rounded%
1895     \if@tempswa%

```



```

1896 \begin{beamerboxesrounded}[%
1897   shadow=\beamer@colbox@shadow,%
1898   lower=\beamer@colbox@color,%
1899   upper=normal text,%
1900   width=\beamer@colbox@wd]{}%
1901   \box\beamer@tempbox%
1902 \end{beamerboxesrounded}%
1903 \else%
1904   \ifdim\wd\beamer@tempbox>\textwidth%
1905     \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
1906   \fi%
1907   \box\beamer@tempbox%
1908   \fi%
1909 \else%
1910   \if@tempswa\setbox\beamer@tempbox=\hbox{%
1911     \usebeamercolor{\beamer@colbox@color}%
1912     \hskip-\beamer@colbox@colseps%
1913     \fboxsep=\z@\colorbox{bg}{}%
1914     \hskip\beamer@colbox@colseps%
1915     \box\beamer@tempbox%
1916     \hskip\beamer@colbox@colseps%
1917   }%
1918   \hskip-\beamer@colbox@colseps%
1919   }\fi%
1920   \ifdim\wd\beamer@tempbox>\textwidth%
1921     \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box\beamer@tempbox}%
1922   \fi%
1923   \box\beamer@tempbox%
1924   \fi%
1925 }
1926
1927

```

18 File beamerbasecompatibility-xetex-bidi.def

```

1928 \ProvidesFile{beamerbasecompatibility-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for b
1929 \def\insertvrule#1#2{\hbox{{\color{#2}\hskip-\Gm@lmargin\vrule width \paperwidth height #1\h
1930
1931

```

19 File beamerbaseframecomponents-xetex-bidi.def

```

1932 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2022/06/13 v0.4 bidi adaptations for
1933 \renewcommand{\setbeamer size}[1]{%
1934   \beamer@dogeometryfalse%
1935   \setkeys{beamer@margin}{#1}%
1936   \ifbeamer@dogeometry%
1937     % Reset left margin now
1938     \beamer@tempdim=\beamer@leftmargin%
1939     \advance\beamer@tempdim by\beamer@leftsidebar%
1940     \if@RTLmain
1941       \geometry{right=\the\beamer@tempdim}%
1942     \else
1943       \geometry{left=\the\beamer@tempdim}%

```



```

1944 \fi
1945 % Reset right margin now
1946 \beamer@tempdim=\beamer@rightmargin%
1947 \advance\beamer@tempdim by\beamer@rightsidebar%
1948 \if@RTLmain
1949 \geometry{left=\the\beamer@tempdim}%
1950 \else
1951 \geometry{right=\the\beamer@tempdim}%
1952 \fi
1953 \fi%
1954 }
1955
1956 \newcommand*{\bidi@beamer@Gm@lmargin}{%
1957 \if@RTLmain
1958 \Gm@rmargin
1959 \else
1960 \Gm@lmargin
1961 \fi
1962 }
1963
1964 \newcommand*{\bidi@beamer@Gm@rmargin}{%
1965 \if@RTLmain
1966 \Gm@lmargin
1967 \else
1968 \Gm@rmargin
1969 \fi
1970 }
1971
1972 \def\ps@navigation{
1973 \def\@oddhead{%
1974 \begingroup%
1975 \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransition}%
1976 \beamer@tempdim=\ht\beamer@tempbox%
1977 \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
1978 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
1979 \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
1980 \beamer@tempdim=\ht\@tempboxa%
1981 \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
1982 \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
1983 \vbox{\hbox{\hskip-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}%
1984 \hbox{%
1985 {%
1986 \setbox\beamer@tempbox=\hbox{\hskip-\bidi@beamer@Gm@lmargin%
1987 \if@RTLmain
1988 {%
1989 \vbox to \sidebarheight{%
1990 \usebeamertemplate***{sidebar left}%
1991 \vfil%
1992 }}%
1993 \ifpackageloaded{beamerinnerthemeinmargin}{}%
1994 \hskip-\textwidth
1995 }%
1996 \fi
1997 {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%

```



```

1998         \usebeamercolor*{sidebar left}%
1999         \usebeamertemplate{sidebar canvas left}%
2000         \vss%
2001     }}%
2002     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2003     \box\beamer@tempbox}%
2004     \if@RTLmain
2005     \else
2006     {%
2007         \vbox to \sidebarheight{%
2008             \usebeamertemplate***{sidebar left}%
2009             \vfil%
2010         }}\fi}%
2011     \beamer@tempdim=\ht\beamer@tempbox%
2012     \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2013     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2014     \box\beamer@tempbox%
2015 }%
2016 {% print right sidebar first, since it should be overwritten by headline
2017     \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2018     \if@RTLmain
2019         {%
2020             \vbox to \sidebarheight{%
2021                 \usebeamertemplate***{sidebar right}%
2022                 \vfil%
2023             }}%
2024             \hskip-\textwidth
2025             \fi
2026             {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2027                 \usebeamercolor*{sidebar right}%
2028                 \usebeamertemplate{sidebar canvas right}%
2029                 \vss%
2030             }}%
2031             \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2032             \box\beamer@tempbox}%
2033             \if@RTLmain
2034             \else
2035             {%
2036                 \vbox to \sidebarheight{%
2037                     \usebeamertemplate***{sidebar right}%
2038                     \vfil%
2039                 }}\fi}%
2040             \beamer@tempdim=\ht\beamer@tempbox%
2041             \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2042             \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2043             \box\beamer@tempbox%
2044         }}%
2045         \beamer@typesetheadorfoot{headline}%
2046     }%
2047     \hfil}%
2048 \endgroup}
2049 \def\@oddfoot{%
2050     \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}%
2051     \hfil}\hbox{}}\hfil

```



```

2052 }%
2053 \let\@evenhead\@oddhead
2054 \let\@evenfoot\@oddfoot}
2055
2056 \AtBeginDocument{%
2057   \pagestyle{navigation}%
2058 }
2059
2060 \def\beamer@typesetheadorfoot#1{% typeset the head or footline
2061   {\parskip0pt\offinterlineskip%
2062     \hbox{%
2063       \hskip-\bidi@beamer@Gm@lmargin%
2064       \hbox{%
2065         \vbox{%
2066           \@tempdima=\textwidth%
2067           \textwidth=\paperwidth%
2068           \hsize=\textwidth%
2069           \def\{,\}%
2070           \usebeamertemplate***{#1}%
2071         }%
2072         \hskip-\bidi@beamer@Gm@rmargin%
2073       }\hfil%
2074     }
2075
2076 \def\ps@empty{%
2077   \let\@mkboth\@gobbletwo%
2078   \def\@oddhead{\begingroup%
2079     \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransiti
2080     \beamer@tempdim=\ht\beamer@tempbox%
2081     \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2082     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2083     \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2084     \beamer@tempdim=\ht\@tempboxa%
2085     \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2086     \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2087     \vbox{\hbox{\hskip-\Gm@lmargin\raise\headheight\box\beamer@tempbox\raise\headheight\box
2088     \endgroup%
2089   }
2090   \def\@oddfoot{\normalcolor\hfil%
2091     \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{navigation symbols}\hskip-\Gm@rmargin
2092     \ht\beamer@tempbox=0pt%
2093     \dp\beamer@tempbox=0pt%
2094     \box\beamer@tempbox}}
2095   \let\@evenhead\@oddhead\let\@evenfoot\@oddfoot}
2096
2097 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2098   \beamer@colclose%
2099   \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2100 \begin{actionenv}#3%
2101   \setkeys{beamer@col}{#1}%
2102   \begin{minipage}[\beamer@colalign]{#2}%
2103     \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2104
2105 \renewenvironment<>{columns}[1][]{%

```



```

2106 \begin{actionenv}#2%
2107 \ifbeamer@onlytextwidth
2108   \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2109   \def\beamer@colexitcode{\unskip\egroup}
2110 \else%
2111   \def\beamer@colentrycode{%
2112     \hbox to\textwidth\bgroup%
2113     \leavevmode%
2114     \hskip-\beamer@leftmargin%
2115     \nobreak%
2116     \beamer@tempdim=\textwidth%
2117     \advance\beamer@tempdim by\beamer@leftmargin%
2118     \advance\beamer@tempdim by\beamer@rightmargin%
2119     \hbox to\beamer@tempdim\bgroup%
2120     \hbox{}\hfill\ignorespaces}%
2121   \def\beamer@colexitcode{\egroup%
2122     \nobreak%
2123     \hskip-\beamer@rightmargin\egroup}%
2124 \fi%
2125 \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2126 \setkeys{beamer@col}{#1}%
2127 \par%
2128 \leavevmode
2129 \beamer@colentrycode%
2130 \def\beamer@colclose{}\ignorespaces}%
2131 {\beamer@colclose\def\beamer@colclose{}\beamer@colexitcode\end{actionenv}}%
2132
2133
2134 \def\@makeRTLftntext#1{%
2135   \def\insertfootnotetext{#1}%
2136   \def\insertfootnotemark{\@makefnmark}%
2137   \usebeamertemplate***{RTLfootnote}}
2138
2139 \def\@makeLTRftntext#1{%
2140   \def\insertfootnotetext{#1}%
2141   \def\insertfootnotemark{\@makefnmark}%
2142   \usebeamertemplate***{LTRfootnote}}
2143
2144 \renewcommand<>\beamer@framefootnotetext[1]{%
2145   \global\setbox\beamer@footins\vbox{%
2146     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
2147     \hsize\framewidth
2148     \textwidth\hsize
2149     \columnwidth\hsize
2150     \unvbox\beamer@footins
2151     \reset@font
2152     \bidi@@footnotetext@font
2153     \@parboxrestore
2154     \protected@edef\@currentlabel
2155       {\csname p@footnote\endcsname\@thefnmark}%
2156     \color@begingroup
2157       \uncover#2{\@makefnntext{%
2158         \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
2159       \color@endgroup}}

```



```

2160
2161 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2162   \global\setbox\beamer@footins\vbox{%
2163     \RTLtrue
2164     \hsize\framewidth
2165     \textwidth\hsize
2166     \columnwidth\hsize
2167     \unvbox\beamer@footins
2168     \reset@font
2169     \bidi@RTLfootnotetext@font
2170     \@parboxrestore
2171     \protected@edef\@currentlabel
2172       {\csname p@footnote\endcsname\@thefnmark}%
2173     \color@begingroup
2174       \uncover#2{\@makeRTLfnstext{%
2175         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2176     \color@endgroup}}
2177
2178 \renewcommand<>\beamer@frameLTRfootnotetext[1]{%
2179   \global\setbox\beamer@footins\vbox{%
2180     \RTLfalse
2181     \hsize\framewidth
2182     \textwidth\hsize
2183     \columnwidth\hsize
2184     \unvbox\beamer@footins
2185     \reset@font
2186     \bidi@LTRfootnotetext@font
2187     \@parboxrestore
2188     \protected@edef\@currentlabel
2189       {\csname p@footnote\endcsname\@thefnmark}%
2190     \color@begingroup
2191       \uncover#2{\@makeLTRfnstext{%
2192         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2193     \color@endgroup}}
2194
2195 \renewcommand<>\@mpfootnotetext[1]{%
2196   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule
2197   \global\setbox\@mpfootins\vbox{%
2198     \if@RTL@footnote\RTLtrue\else\RTLfalse\fi
2199     \unvbox\@mpfootins
2200     \reset@font
2201     \bidi@@footnotetext@font
2202     \hsize\columnwidth
2203     \@parboxrestore
2204     \protected@edef\@currentlabel
2205       {\csname p@mpfootnote\endcsname\@thefnmark}%
2206     \color@begingroup
2207       \uncover#2{\@makefnstext{%
2208         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2209     \color@endgroup}}
2210
2211 \renewcommand<>\@mpRTLfootnotetext[1]{%
2212   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule
2213   \global\setbox\@mpfootins\vbox{%

```



```

2214 \RTLtrue
2215 \unvbox\@mpfootins
2216 \reset@font
2217 \bidi@RTLfootnotetext@font
2218 \hsize\columnwidth
2219 \@parboxrestore
2220 \protected@edef\@currentlabel
2221 {\csname p@mpfootnote\endcsname\@thefnmark}%
2222 \color@begingroup
2223 \uncover#2{\@makeRTLfnstext{%
2224 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2225 \color@endgroup}}
2226
2227 \renewcommand<>\@mpLTRfootnotetext[1]{%
2228 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
2229 \global\setbox\@mpfootins\vbox{%
2230 \RTLfalse
2231 \unvbox\@mpfootins
2232 \reset@font
2233 \bidi@LTRfootnotetext@font
2234 \hsize\columnwidth
2235 \@parboxrestore
2236 \protected@edef\@currentlabel
2237 {\csname p@mpfootnote\endcsname\@thefnmark}%
2238 \color@begingroup
2239 \uncover#2{\@makeLTRfnstext{%
2240 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2241 \color@endgroup}}
2242
2243 \let\@footnotetext=\beamer@framefootnotetext
2244 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
2245 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
2246
2247 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2248 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2249 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
2250
2251 \renewcommand<>{\footnote}[1][ ]{%
2252 \let\beamer@footnotetext=\@footnotetext%
2253 \let\beamer@mpfn=\@mpfn%
2254 \let\beamer@thempfn=\thempfn%
2255 \let\beamer@kvorig=\KV@errx%
2256 \let\beamer@xkvorig=\XKV@err
2257 \def\beamer@footarg{}%
2258 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2259 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2260 \setkeys{beamerfootnote}{#1}%
2261 \let\KV@errx=\beamer@kvorig%
2262 \let\XKV@errx=\beamer@xkvorig%
2263 \ifx\beamer@footarg\@empty%
2264 \def\beamer@next{\stepcounter\beamer@mpfn
2265 \protected@xdef\@thefnmark{\beamer@thempfn}%
2266 \@footnotemark\beamer@footnotetext#2}%
2267 \else%

```




```

2268 \def\beamer@next{%
2269 \begingroup
2270 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2271 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2272 \endgroup
2273 \@footnotemark\beamer@footnotetext#2}%
2274 \fi%
2275 \beamer@next}
2276
2277 \renewcommand<>{\RTLfootnote}[1] [] {%
2278 \let\beamer@RTLfootnotetext=\@RTLfootnotetext%
2279 \let\beamer@mpfn=\@mpfn%
2280 \let\beamer@thempfn=\thempfn%
2281 \let\beamer@kvorig=\KV@errx%
2282 \let\beamer@xkvorig=\XKV@err
2283 \def\beamer@footarg{%
2284 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2285 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}}%
2286 \setkeys{beamerfootnote}{#1}%
2287 \let\KV@errx=\beamer@kvorig%
2288 \let\XKV@errx=\beamer@xkvorig
2289 \ifx\beamer@footarg\@empty%
2290 \def\beamer@next{\stepcounter\beamer@mpfn
2291 \protected@xdef\@thefnmark{\beamer@thempfn}%
2292 \@footnotemark\beamer@RTLfootnotetext#2}%
2293 \else%
2294 \def\beamer@next{%
2295 \begingroup
2296 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2297 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2298 \endgroup
2299 \@footnotemark\beamer@RTLfootnotetext#2}%
2300 \fi%
2301 \beamer@next}
2302
2303 \renewcommand<>{\LTRfootnote}[1] [] {%
2304 \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2305 \let\beamer@mpfn=\@mpfn%
2306 \let\beamer@thempfn=\thempfn%
2307 \let\beamer@kvorig=\KV@errx%
2308 \let\beamer@xkvorig=\XKV@err
2309 \def\beamer@footarg{%
2310 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2311 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}}%
2312 \setkeys{beamerfootnote}{#1}%
2313 \let\KV@errx=\beamer@kvorig%
2314 \let\XKV@errx=\beamer@xkvorig
2315 \ifx\beamer@footarg\@empty%
2316 \def\beamer@next{\stepcounter\beamer@mpfn
2317 \protected@xdef\@thefnmark{\beamer@thempfn}%
2318 \@footnotemark\beamer@LTRfootnotetext#2}%
2319 \else%
2320 \def\beamer@next{%
2321 \begingroup

```



```

2322         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2323         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2324     \endgroup
2325     \@footnotemark\beamer@LTRfootnotetext#2}%
2326 \fi%
2327 \beamer@next}
2328
2329

```

20 File beamerbaseframesize-xetex-bidi.def

```

2330 \ProvidesFile{beamerbaseframesize-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamer]
2331 \def\beamer@framezoom<#1><#2>[#3](#4,#5)(#6,#7){%
2332   \par\nointerlineskip%
2333   \global\beamer@slidehaszoomtrue%
2334   \advance\beamer@zoomcount by1\relax%
2335   \def\beamer@zoomborderwidth{0}%
2336   \edef\beamer@labelzoomed{\beamer@labelzoomed@the\beamer@zoomframecount @the\beamer@zoomcount}%
2337   \setkeys{beamerzoom}{#3}%
2338   \only<#1>{%
2339     {\hypersetup{pdfhighlight={/P},pdfborder={0 0 \beamer@zoomborderwidth}}}%
2340     \global\setbox\@tempboxa=\vbox{\hyperlink{\beamer@labelzoomed}{%
2341       \expandafter\ifx\csname XeTeXrevision\endcsname\relax
2342         \vbox to #7{%
2343           \hbox to#6{\hfil}%
2344           \vfil%
2345         }%
2346       \else%
2347         \begingroup%
2348         \normalsize%
2349         \begin{pgfpicture}{0pt}{0pt}{#6}{#7}%
2350           \pgfsetfillopacity{0}
2351           \pgftext[x=0cm,y=3pt]{.}
2352           \pgftext[x=#6,y=\dimexpr#7-\baselineskip+3pt]{.}
2353         \end{pgfpicture}%
2354       \endgroup%
2355     }%
2356   }}%
2357   \ht\@tempboxa=0pt%
2358   \wd\@tempboxa=0pt%
2359   \dp\@tempboxa=0pt%
2360   \setbox\@tempboxa=\vbox{\if@RTL\moveleft\fi#4\hbox{\lower#5\vbox{\box\@tempboxa}%
2361     \ht\@tempboxa=0pt%
2362     \wd\@tempboxa=0pt%
2363     \dp\@tempboxa=0pt%
2364     \global\setbox\beamer@zoombox=\vbox to0pt{\unvbox\beamer@zoombox\box\@tempboxa}%
2365   }%
2366   \only<#2>{%
2367     \@ifundefined{\beamer@labelzoomed}%
2368     {%
2369       \hypertarget{\beamer@labelzoomed}{}%
2370       \expandafter\gdef\csname\beamer@labelzoomed\endcsname{}%
2371     }{}%
2372     \gdef\beamer@zoomer{%

```



```

2373 % compute zoom factor
2374 \@tempdima=\beamer@frametextheight%
2375 \@tempdimb=#7\relax%
2376 \@tempcnta=\@tempdimb%
2377 \divide\@tempcnta by4096\relax%
2378 \multiply\@tempdima by16\relax%
2379 \divide\@tempdima by\@tempcnta%
2380 \@tempdimb=\paperwidth%
2381 \ifbeamer@plainframe%
2382 \else%
2383   \advance\@tempdimb by-\beamer@leftsidebar%
2384   \advance\@tempdimb by-\beamer@rightsidebar\relax%
2385 \fi%
2386 \@tempdimc=#6\relax%
2387 \@tempcntb=\@tempdimc%
2388 \divide\@tempcntb by4096\relax%
2389 \multiply\@tempdimb by16\relax%
2390 \divide\@tempdimb by\@tempcntb%
2391 \ifdim\@tempdimb<\@tempdima%
2392   \@tempdima=\@tempdimb%
2393 \fi%
2394 \edef\beamer@temp{\strip@pt\@tempdima}%
2395 \@tempdimc=\beamer@frametextheight%
2396 \advance\@tempdimc by4pt%
2397 \@tempdimb=\paperwidth%
2398 \ifbeamer@plainframe%
2399 \else%
2400   \advance\@tempdimb by-\beamer@leftsidebar%
2401   \advance\@tempdimb by-\beamer@rightsidebar\relax%
2402 \fi%
2403 \setbox\@tempboxa=\vbox{\hsize=\@tempdimb\Acrobatmenu{GoBack}{\vbox to
2404   \beamer@frametextheight{\hbox to\@tempdimb{\hfil}\vfil}}}%
2405 \ht\@tempboxa=0pt%
2406 \wd\@tempboxa=0pt%
2407 \dp\@tempboxa=0pt%
2408 \setbox\beamer@framebox=\vbox to\beamer@frametextheight{%
2409   \ifbeamer@plainframe\beamer@leftmargin=Gm@lmargin\fi%
2410   \if@RTL
2411     \begin{pgfpicture}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\paperwidth-\beamer@leftmargin}{\beamer@frametextheight}
2412       \pgftext[right,top]{\box\@tempboxa}
2413       \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2414       \pgfusepath{clip}
2415       \begin{group}
2416         \pgftransformscale{\beamer@temp}
2417         \@tempdima=#4\relax%
2418         \@tempdimb=#5\relax%
2419         {\pgftransformshift{\pgfpoint{\@tempdima+#6}{\@tempdimb}}%
2420         \pgftext[right,top]{\vbox{\vbox{} \noindent\nointerlineskip\unvbox\beamer@framebox}}
2421       \end{group}
2422     \end{pgfpicture}%
2423   \else
2424     \begin{pgfpicture}{\beamer@leftmargin}{-\beamer@frametextheight}{\beamer@leftmargin+\beamer@rightmargin}{\beamer@frametextheight}
2425       \pgftext[left,top]{\box\@tempboxa}
2426       \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}

```



```

2427         \pgfusepath{clip}
2428         \beginpgfgroup
2429             \pgftransformscale{\beamer@temp}
2430             \@tempdima=#4\relax%
2431             \@tempdimb=#5\relax%
2432             {\pgftransformshift{\pgfpoint{-\@tempdima}{\@tempdimb}}}%
2433             \pgftext[left,top]{\vbox{\vbox{} \nointerlineskip \unvbox \beamer@framebox}}
2434         \endpgfgroup
2435     \endpgfpicture}%
2436     \fi
2437 }%
2438 \setbox\beamer@framebox=\vbox{%
2439     \nobreak\vbox{} \nobreak\par \nobreak\beamer@entrycode \nobreak%
2440     \nointerlineskip \unvbox \beamer@frametitlebox%
2441     \nobreak%
2442     \box\beamer@framebox%
2443     \nobreak%
2444     \vss%
2445     \beamer@exitcode%
2446 }%
2447 \global\setbox\beamer@footins=\box\voidb@x% no footnotes in zoomed slides
2448 }%
2449 }%
2450 }
2451
2452

```

21 File beamerbaselocalstructure-xetex-bidi.def

```

2453 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2454 \def\beamer@enum@{%
2455     \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2456     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2457     \bgroup
2458     \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2459     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2460     \egroup
2461     \expandafter
2462     \list
2463     {\usebeamertemplate{\beamer@enumtempl}}
2464     {\usecounter\@enumctr%
2465         \def\makelabel##1{{\hss\llap{{%
2466             \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2467             \usebeamerfont{fg}{enumerate \beameritemnestingprefix item}##1}}}}}%
2468     \beamer@cramped%
2469     \bidi@beamer@ragged%
2470     \beamer@firstlineitemizeunskip%
2471 }
2472
2473 \renewcommand{\itemize}[1][]{%
2474     \ifblank{#1}{{\def\beamer@defaulttospec{#1}}}%
2475     \ifnum \@itemdepth >2\relax\@toodeep\else
2476         \advance\@itemdepth\@ne
2477         \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix

```



```

2478 \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2479 \bgroup
2480 \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2481 \usebeamerfont{description \beameritemnestingprefix body}%
2482 \egroup
2483 \list
2484 {\usebeamerfont{itemize \beameritemnestingprefix item}}
2485 {\def\makelabel##1{%
2486   {%
2487     \hss\llap{%
2488       \usebeamerfont*{itemize \beameritemnestingprefix item}%
2489       \usebeamerfont{fg}{itemize \beameritemnestingprefix item}##1}}%
2490   }%
2491 }%
2492 }
2493 \fi%
2494 \beamer@cramped%
2495 \bidi@beamer@ragged%
2496 \beamer@firstlineitemizeunskip%
2497 }
2498
2499 \def\@@description{%
2500 \advance\beamer@descdefault by \labelsep%
2501 \usebeamerfont{description body}%
2502 \bgroup
2503 \usebeamerfont{fg}{description body}%
2504 \usebeamerfont{description \beameritemnestingprefix body}%
2505 \egroup
2506 \list
2507 {}
2508 {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descrip
2509 \beamer@cramped%
2510 \bidi@beamer@ragged
2511 \beamer@firstlineitemizeunskip%
2512 }
2513
2514 \renewenvironment{thebibliography}[1]
2515 {%\leavevmode\unskip%
2516 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
2517 \bidi@thebibliography@font@hook%
2518 \list{\@biblabel{\@arabic\c@enumiv}}%
2519 {\settowidth\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2520 \leftmargin\labelwidth
2521 \advance\leftmargin\labelsep
2522 \itemsep=0pt%
2523 \partopsep=0pt%
2524 \topsep=0pt%
2525 \usecounter{enumiv}%
2526 \let\p@enumiv\@empty
2527 \renewcommand\theenumiv{\@arabic\c@enumiv}
2528 \let\makelabel\beamer@biblabeltemplate}%
2529 \sloppy\bidi@beamer@ragged
2530 \clubpenalty10000
2531 \@clubpenalty \clubpenalty

```



```

2532     \widowpenalty10000%
2533     \sfcode`\.\@m}
2534     {\def\@noitemerr
2535      {\@latex@warning{Empty `thebibliography' environment}}}%
2536     \ifhmode\unskip\fi\endlist}
2537
2538

```

22 File beamerbasemisc-xetex-bidi.def

```

2539 \ProvidesFile{beamerbasemisc-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamerbase
2540 \define@key{beamerst}{width}{%
2541   \def\beamer@ststart{%
2542     \begin{minipage}[t]{#1}%
2543       \bidi@beamer@ragged
2544       \beamer@stalign
2545       \beamer@stlinebreakrule
2546     }%
2547   \def\beamer@stend{\end{minipage}}}}
2548
2549

```

23 File beamerbasenavigation-xetex-bidi.def

```

2550 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for beam
2551 \def\slideentry#1#2#3#4#5#6{%
2552   %section number, subsection number, slide number, first/last frame, page number, part numb
2553   \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2554     \ifbeamer@compress%
2555       \advance\beamer@xpos by1\relax%
2556     \else%
2557       \ifnum#2=0%
2558         \beamer@ypos@offset=1\relax%
2559       \fi
2560       \beamer@xpos=#3\relax%
2561       \beamer@ypos=#2\relax%
2562       \advance\beamer@ypos by \beamer@ypos@offset\relax
2563     \fi%
2564   \hbox to 0pt{%
2565     \beamer@tempdim=-\beamer@vboxoffset%
2566     \advance\beamer@tempdim by-\beamer@boxsize%
2567     \multiply\beamer@tempdim by\beamer@ypos%
2568     \advance\beamer@tempdim by -.05cm%
2569     \raise\beamer@tempdim\hbox{%
2570       \beamer@tempdim=\beamer@boxsize%
2571       \multiply\beamer@tempdim by\beamer@xpos%
2572       \advance\beamer@tempdim by -\beamer@boxsize%
2573       \advance\beamer@tempdim by 1pt%
2574       \kern\beamer@tempdim
2575       \global\beamer@section@min@dim\beamer@tempdim
2576       \hbox{\beamer@link(#4){}%
2577         \usebeamerfont{mini frame}}%
2578       \ifnum\c@section=#1%
2579         \ifnum\c@subsection=#2%

```



```

2580         \usebeamercolor[fg]{mini frame}%
2581         \ifnum\c@sectionslide=#3%
2582             \usebeamertemplate{mini frame}%\beamer@minislidehighlight%
2583         \else%
2584             \usebeamertemplate{mini frame in current subsection}%\beamer@minisliderowhighlight%
2585         \fi%
2586     \else%
2587         \usebeamercolor{mini frame}%
2588         %\color{fg!50!bg}%
2589         \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2590     \fi%
2591 \else%
2592     \usebeamercolor{mini frame}%
2593     %\color{fg!50!bg}%
2594     \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2595 \fi%
2596 }}}\hskip-10cm plus 1fil%
2597 }\fi\fi%
2598 \else%
2599 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2600 \fi\ignorespaces
2601 }
2602
2603 \pgfdefobject{bidi@beamer@RTL@gotosymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2604 {
2605     \pgfpathmoveto{3.5bp}{0.5bp}
2606     \pgfpathqlineto{1.5bp}{2bp}
2607     \pgfpathqlineto{3.5bp}{3.5bp}
2608     \pgfusepathqfill
2609 }
2610
2611 \def\insertgotosymbol{%
2612 \if@RTL
2613     \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2614         \pgfuseobject{bidi@beamer@RTL@gotosymbol}%
2615     \end{pgfpicture}%
2616 \else
2617     \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2618         \pgfuseobject{beamer@gotosymbol}%
2619     \end{pgfpicture}%
2620 \fi
2621 }
2622
2623 \pgfdefobject{bidi@beamer@RTL@skipsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{7pt}{5pt}}
2624 {
2625     \pgfpathmoveto{5.5bp}{0.5bp}
2626     \pgfpathqlineto{3.5bp}{2bp}
2627     \pgfpathqlineto{5.5bp}{3.5bp}
2628     \pgfpathmoveto{3.5bp}{0.5bp}
2629     \pgfpathqlineto{1.5bp}{2bp}
2630     \pgfpathqlineto{3.5bp}{3.5bp}
2631     \pgfusepathqfill
2632 }
2633

```



```

2634 \def\insertskipsymbol{%
2635 \if@RTL
2636   \begin{pgfpicture}{-1pt}{0pt}{6pt}{5pt}
2637     \pgfuseobject{bidi@beamer@RTL@skipsymbol}%
2638   \end{pgfpicture}%
2639 \else
2640   \begin{pgfpicture}{1pt}{0pt}{8pt}{5pt}
2641     \pgfuseobject{beamer@skipsymbol}%
2642   \end{pgfpicture}%
2643 \fi
2644 }
2645
2646 \pgfdefobject{bidi@beamer@RTL@returnsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2647 {
2648   \pgfpathmoveto{1.5bp}{0.5bp}
2649   \pgfpathqlineto{3.5bp}{2bp}
2650   \pgfpathqlineto{1.5bp}{3.5bp}
2651   \pgfusepathqfill
2652 }
2653
2654 \def\insertreturnsymbol{%
2655 \if@RTL
2656   \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2657     \pgfuseobject{bidi@beamer@RTL@returnsymbol}%
2658   \end{pgfpicture}%
2659 \else
2660   \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2661     \pgfuseobject{beamer@returnsymbol}%
2662   \end{pgfpicture}%
2663 \fi
2664 }
2665
2666

```

24 File beamerbaseoverlay-xetex-bidi.def

```

2667 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2668 \renewcommand<>{\color}{\alt#1{\beameroriginal{\color}}{\beamer@gobbleoptionalinsp}}
2669
2670

```

25 File beamerinnerthemedefault-xetex-bidi.def

```

2671 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/27 v0.6 bidi adaptations for beamer]
2672 \newcommand*{\bidi@beamer@leftskip}{%
2673   \if@RTL
2674     \rightskip
2675   \else
2676     \leftskip
2677   \fi
2678 }
2679
2680 \newcommand*{\bidi@beamer@rightskip}{%
2681   \if@RTL

```




```

2682     \leftskip
2683   \else
2684     \rightskip
2685   \fi
2686 }
2687
2688 \bidi@csundef{beamer@@tmpop@subsection in toc@default}
2689
2690 \bidi@csundef{beamer@@tmpop@subsubsection in toc@default}
2691
2692 \defbeamertemplate*{subsection in toc}{default}
2693 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2694
2695 \defbeamertemplate*{subsubsection in toc}{default}
2696 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3em%
2697   \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2698
2699 \newcommand*{\bidi@beamer@blacktriangle}{%
2700   \if@RTL
2701     $\blacktriangleleft$%
2702   \else
2703     $\blacktriangleright$%
2704   \fi
2705 }
2706
2707 \bidi@csundef{beamer@@tmpop@itemize item@default}
2708
2709 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2710
2711 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2712
2713 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\d
2714 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\hb
2715 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1.
2716
2717 \bidi@undef\beamer@@tmpop@footnote@default
2718
2719 \defbeamertemplate*{footnote}{default}
2720 {
2721   \parindent 1em\noindent%
2722   \bidi@beamer@ragged
2723   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2724 }
2725
2726 \defbeamertemplate*{RTLfootnote}{default}
2727 {
2728   \parindent 1em\noindent%
2729   \raggedleft
2730   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2731 }
2732
2733 \defbeamertemplate*{LTRfootnote}{default}
2734 {
2735   \parindent 1em\noindent%

```



```

2736 \raggedright
2737 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2738 }
2739
2740 \bidi@undef\beamer@@tmpop@caption@default
2741
2742 \defbeamertemplate*{caption}{default}
2743 {%
2744 \bidi@beamer@ragged
2745 {%
2746 \leavevmode
2747 \usebeamercolor[fg]{caption name}%
2748 \usebeamerfont*{caption name}%
2749 \insertcaptionname
2750 \usebeamertemplate{caption label separator}%
2751 }%
2752 \insertcaption\par
2753 }
2754
2755 \bidi@csundef{beamer@@tmpop@block begin@default}
2756
2757 \bidi@csundef{beamer@@tmpop@block alerted begin@default}
2758
2759 \bidi@csundef{beamer@@tmpop@block example begin@default}
2760
2761 \defbeamertemplate*{block begin}{default}
2762 {
2763 \par\vskip\medskipamount%
2764 \begin{beamercolorbox}[colsep*=.75ex]{block title}
2765 \usebeamerfont*{block title}\insertblocktitle%
2766 \end{beamercolorbox}%
2767 {\parskip0pt\par}%
2768 \ifbeamercoloreempty[bg]{block title}
2769 {}
2770 {\ifbeamercoloreempty[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2771 \usebeamerfont{block body}%
2772 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2773 \ifbeamercoloreempty[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\baselineskip}%
2774 }
2775
2776 \defbeamertemplate*{block alerted begin}{default}
2777 {
2778 \par\vskip\medskipamount%
2779 \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2780 \usebeamerfont*{block title alerted}\insertblocktitle%
2781 \end{beamercolorbox}%
2782 {\parskip0pt\par}%
2783 \ifbeamercoloreempty[bg]{block title alerted}
2784 {}
2785 {\ifbeamercoloreempty[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2786 \usebeamerfont{block body alerted}%
2787 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2788 \ifbeamercoloreempty[bg]{block body alerted}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\baselineskip}%
2789 }

```



```

2790
2791 \defbeamertemplate*{block example begin}{default}
2792 {
2793   \par\vskip\medskipamount%
2794   \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2795     \usebeamerfont*{block title example}\insertblocktitle%
2796   \end{beamercolorbox}%
2797   {\parskip0pt\par}%
2798   \ifbeamercoloreempty[bg]{block title example}
2799   {}
2800   {\ifbeamercoloreempty[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%
2801   \usebeamerfont{block body example}%
2802   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2803     \ifbeamercoloreempty[bg]{block body example}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex}
2804   }
2805
2806 \bidi@csundef{beamer@@tmpop@abstract begin@default}
2807
2808 \defbeamertemplate*{abstract begin}{default}
2809 {\beamercolorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fil}
2810
2811 \bidi@undef\beamer@@tmpop@button@default
2812
2813 \defbeamertemplate*{button}{default}
2814 {%
2815   \setbox\beamer@tempbox=\hbox{\insertbuttontext}%
2816   \ht\beamer@tempbox=6pt%
2817   \dp\beamer@tempbox=0pt%
2818   \setbox\beamer@tempbox=\vbox{\box\beamer@tempbox\vskip2pt}%
2819   \beamer@tempdim=\wd\beamer@tempbox%
2820   \beamer@dima=\beamer@tempdim\advance\beamer@dima by2.2pt
2821   \beamer@dimb=\beamer@tempdim\advance\beamer@dimb by4pt
2822   \if@RTL
2823     \kern4pt%
2824     \box\beamer@tempbox%
2825     \hskip-\beamer@tempdim%
2826   \fi
2827   \begin{pgfpicture}{-4pt}{0pt}{\the\beamer@tempdim}{8pt}
2828     \color{bg}
2829     \pgfsetlinewidth{0.8pt}
2830     \pgfpathqmoveto{0pt}{0pt}
2831     \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2832     \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2833     \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2834     \pgfpathcurveto%
2835       {\pgfpoint{\the\beamer@dima}{8pt}}%
2836       {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2837       {\pgfpoint{\the\beamer@dimb}{4pt}}
2838     \pgfpathcurveto%
2839       {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2840       {\pgfpoint{\the\beamer@dima}{0pt}}%
2841       {\pgfpoint{\the\beamer@tempdim}{0pt}}
2842     \pgfpathclose
2843     \pgfusepathqfill

```



```

2844 \colorlet{bg}{parent.bg}
2845 \usebeamercolor[fg]{button border}
2846 \pgfpathmoveto{0pt}{0pt}
2847 \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2848 \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2849 \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2850 \pgfpathcurveto%
2851 {\pgfpoint{\the\beamer@dima}{8pt}}%
2852 {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2853 {\pgfpoint{\the\beamer@dimb}{4pt}}
2854 \pgfpathcurveto%
2855 {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2856 {\pgfpoint{\the\beamer@dima}{0pt}}%
2857 {\pgfpoint{\the\beamer@tempdim}{0pt}}
2858 \pgfpathclose
2859 \pgfusepathqstroke
2860 \end{pgfpicture}%
2861 \ifRTL
2862 \else
2863 \hskip-\beamer@tempdim%
2864 \box\beamer@tempbox%
2865 \kern4pt%
2866 \fi
2867 }
2868
2869

```

26 File beamerinnerthemecircles-xetex-bidi.def

```

2870 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
2871 \setbeamertemplate{sections/subsections in toc}[circle]
2872

```

27 File beamerinnerthemefocus-xetex-bidi.def

```

2873 \ProvidesFile{beamerinnerthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for bea
2874 \setbeamertemplate{section in toc}[square]
2875 \setbeamertemplate{subsection in toc}[square]
2876
2877 \setbeamertemplate{itemize items}[square]
2878 \setbeamertemplate{itemize subitem}[triangle]
2879
2880 \bidi@csundef{beamer@@tmpop@title page@focus}
2881
2882 \defbeamertemplate*{title page}{focus}{%
2883   {%
2884     \usebeamercolor{frametitle}\colorlet{focus@@temp}{bg}%
2885     \begin{tikzpicture}[overlay, remember picture]
2886       \fill[color=focus@@temp] (current page.north west) rectangle ([shift = {(0, -0.4
2887     \end{tikzpicture}
2888   }
2889
2890 \vspace{-1.65\baselineskip}
2891 \begin{minipage}[b] [0.35\paperheight]{\textwidth}

```



```

2892         \vspace{\baselineskip}
2893         \usebeamerfont{title}
2894         \usebeamercolor[fg]{frametitle}
2895         \inserttitle
2896     \end{minipage}
2897
2898     \begin{minipage}[t][0.1\paperheight]{\textwidth}
2899         \usebeamerfont{subtitle}
2900         \usebeamercolor[fg]{frametitle}
2901         \insertsubtitle
2902     \end{minipage}
2903
2904     % Set the title graphic in a zero-height box, so that
2905     % the position of other elements is not affected.
2906     {\vfuzz=9999pt\vbox to 0pt {
2907         \if@RTL
2908             \raggedright
2909         \else
2910             \raggedleft
2911         \fi
2912         \inserttitlegraphic
2913     }}
2914
2915     \begin{minipage}[t]{\textwidth}
2916         \usebeamerfont{author}
2917         \insertauthor
2918     \end{minipage}
2919
2920     \vspace*{\baselineskip}
2921     \begin{minipage}[t]{\textwidth}
2922         \usebeamerfont{institute}
2923         \insertinstitute
2924     \end{minipage}
2925
2926     \vspace*{\baselineskip}
2927     \begin{minipage}[t]{\textwidth}
2928         \usebeamerfont{date}
2929         \insertdate
2930     \end{minipage}
2931
2932     \vspace*{0pt plus 100fill}
2933
2934     \addtocounter{framenum}{-1}
2935     \addtocounter{realframenum}{-1}
2936 }
2937
2938
2939

```

28 File beamerinnerthemeinmargin-xetex-bidi.def

```

2940 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
2941 \AtBeginDocument{%
2942     \setbeamersize{sidebar width left=.25\paperwidth}%

```



```

2943 }
2944
2945 \bidi@csundef{beamer@@tmpop@section in toc@inmargin}
2946
2947 \bidi@csundef{beamer@@tmpop@title page@inmargin}
2948
2949 \bidi@csundef{beamer@@tmpop@block begin@inmargin}
2950
2951 \bidi@csundef{beamer@@tmpop@block end@inmargin}
2952
2953 \bidi@csundef{beamer@@tmpop@block alerted begin@inmargin}
2954
2955 \bidi@csundef{beamer@@tmpop@block alerted end@inmargin}
2956
2957 \bidi@csundef{beamer@@tmpop@block example begin@inmargin}
2958
2959 \bidi@csundef{beamer@@tmpop@block example end@inmargin}
2960
2961 \defbeamertemplate*{section in toc}{inmargin}
2962 {\leavevmode
2963   \beamer@putleft{\usebeamercolor[fg]{section in toc}\inserttocsection}\strut}{2.5ex}}
2964
2965 \defbeamertemplate*{title page}{inmargin}
2966 {
2967   \begin{block}{\inserttitleindicator}
2968     \bgroup\usebeamercolor[fg]{title}\usebeamerfont{title}\inserttitle\egroup\par
2969     \usebeamercolor[fg]{subtitle}\usebeamerfont{subtitle}\insertsubtitle
2970   \end{block}
2971   \vfill
2972   \ifx\insertauthor\@empty
2973   \else
2974     \begin{block}{\insertauthorindicator}
2975       \bgroup\usebeamercolor[fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
2976     \end{block}
2977   \fi
2978   \ifx\insertinstitute\@empty
2979   \else
2980     \begin{block}{\insertinstituteindicator}
2981       \bgroup\usebeamercolor[fg]{institute}\usebeamerfont{institute}\insertinstitute\egroup\par
2982     \end{block}
2983   \fi
2984   \ifx\insertdate\@empty
2985   \else
2986     \begin{block}{\insertdateindicator}
2987       \bgroup\usebeamercolor[fg]{date}\usebeamerfont{date}\insertdate\egroup\par
2988     \end{block}
2989   \fi
2990 }
2991
2992 \defbeamertemplate*{block begin}{inmargin}
2993 {
2994   \par\vskip\medskipamount%
2995   \leavevmode%
2996   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title}\usebeamerfont*{block title}\i

```



```

2997 \beginL\beamer@putright
2998 %\usebeamercolor[fg]{block body}% to be done!
2999 }
3000
3001 \defbeamertemplate*{block end}{inmargin}
3002 {\endbeamer@putright\endL\vskip\smallskipamount}
3003
3004 \defbeamertemplate*{block alerted begin}{inmargin}
3005 {
3006 \par\vskip\medskipamount%
3007 \leavevmode%
3008 \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title alerted}}\usebeamerfont*{block
3009 \beginL\beamer@putright
3010 %\usebeamercolor[fg]{block body alerted}% to be done!
3011 }
3012
3013 \defbeamertemplate*{block alerted end}{inmargin}
3014 {\endbeamer@putright\endL\vskip\smallskipamount}
3015
3016 \defbeamertemplate*{block example begin}{inmargin}
3017 {
3018 \par\vskip\medskipamount%
3019 \leavevmode%
3020 \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title example}}\usebeamerfont*{block
3021 \beginL\beamer@putright
3022 %\usebeamercolor[fg]{block body example}% to be done
3023 }
3024
3025 \defbeamertemplate*{block example end}{inmargin}
3026 {\endbeamer@putright\endL\vskip\smallskipamount}
3027
3028 \bidi@AfterFile{beamerinnerthememetropolis-xetex-bidi.def}{%
3029 \setbeamertemplate{section in toc}[inmargin]%
3030 \setbeamertemplate{subsection in toc}[inmargin]%
3031 \setbeamertemplate{subsubsection in toc}[inmargin]%
3032 }
3033
3034

```

29 File beamerinnerthememetropolis-xetex-bidi.def

```

3035 \ProvidesFile{beamerinnerthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3036 \setbeamertemplate{title}{
3037 \bidi@beamer@ragged%
3038 \linespread{1.0}%
3039 \inserttitle%
3040 \par%
3041 \vspace*{0.5em}
3042 }
3043
3044 \setbeamertemplate{subtitle}{
3045 \bidi@beamer@ragged%
3046 \insertsubtitle%
3047 \par%

```



```

3048 \vspace*{0.5em}
3049 }
3050
3051 \bidi@csundef{beamer@@tmpop@section page@progressbar}
3052
3053 \defbeamertemplate{section page}{progressbar}{
3054 \centering
3055 \begin{minipage}{22em}
3056 \bidi@beamer@ragged
3057 \usebeamercolor{fg}{section title}
3058 \usebeamerfont{section title}
3059 \insertsectionhead\[-1ex]
3060 \usebeamertemplate*{progress bar in section page}
3061 \par
3062 \ifx\insertsubsectionhead\@empty\else%
3063 \usebeamercolor{fg}{subsection title}%
3064 \usebeamerfont{subsection title}%
3065 \insertsubsectionhead
3066 \fi
3067 \end{minipage}
3068 \par
3069 \vspace{\baselineskip}
3070 }
3071
3072 \setbeamertemplate{progress bar in section page}{
3073 \setlength{\metropolis@progressonsectionpage}{%
3074 \textwidth * \ratio{\insertframenum pt}{\inserttotalframenum pt}}%
3075 }%
3076 \begin{tikzpicture}
3077 \fill[bg] (0,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3078 \if@RTLmain
3079 \fill[fg] (\textwidth-\metropolis@progressonsectionpage,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3080 \else
3081 \fill[fg] (0,0) rectangle (\metropolis@progressonsectionpage, \metropolis@progressonsectionpage@linewidth);
3082 \fi
3083 \end{tikzpicture}%
3084 }
3085
3086 \renewcommand{\metropolis@block}[1]{
3087 \par\vskip\medskipamount%
3088 \setlength{\parskip}{0pt}
3089 \ifbeamercolorempy[bg]{block title#1}{%
3090 \if@RTL
3091 \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3092 \else
3093 \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3094 \fi
3095 }{%
3096 \ifbeamercolorempy[bg]{block title}{%
3097 \if@RTL
3098 \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3099 \else
3100 \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3101 \fi

```




```

3102 }%
3103 {%
3104 \if@RTL
3105 \begin{beamercolorbox}[
3106 sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3107 rightskip=\metropolis@blockadjust,
3108 leftskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3109 ]{block title#1}%
3110 \else
3111 \begin{beamercolorbox}[
3112 sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3113 leftskip=\metropolis@blockadjust,
3114 rightskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3115 ]{block title#1}%
3116 \fi
3117 }}%
3118 \usebeamerfont*{block title#1}%
3119 \metropolis@strut%
3120 \insertblocktitle%
3121 \metropolis@strut%
3122 \end{beamercolorbox}%
3123 \nointerlineskip%
3124 \ifbeamercoloreempty[bg]{block body#1}{%
3125 \begin{beamercolorbox}[vmode]{block body#1}}{
3126 \ifbeamercoloreempty[bg]{block body}{%
3127 \begin{beamercolorbox}[vmode]{block body#1}%
3128 }{%
3129 \begin{beamercolorbox}[sep=\metropolis@blocksep, vmode]{block body#1}%
3130 \vspace{-\metropolis@parskip}
3131 }}%
3132 \usebeamerfont{block body#1}%
3133 \setlength{\parskip}{\metropolis@parskip}%
3134 }
3135
3136
3137 \setbeamertemplate{footnote}{%
3138 \parindent 0em\noindent%
3139 \bidi@beamer@ragged
3140 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3141 }
3142
3143 \setbeamertemplate{RTLfootnote}{%
3144 \parindent 0em\noindent%
3145 \raggedleft
3146 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3147 }
3148
3149 \setbeamertemplate{LTRfootnote}{%
3150 \parindent 0em\noindent%
3151 \raggedright
3152 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3153 }
3154
3155 \setbeamertemplate{itemize items}{\textbullet}

```



```

3156
3157 \setbeamertemplate{section page}[progressbar]
3158
3159

```

30 File beamerinnerthemerectangles-xetex-bidi.def

```

3160 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
3161 \setbeamertemplate{sections/subsections in toc}[square]
3162 \setbeamertemplate{items}[square]
3163

```

31 File beamerinnerthemerounded-xetex-bidi.def

```

3164 \ProvidesFile{beamerinnerthemerounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for b
3165 \setbeamertemplate{blocks}[rounded] [shadow=\beamer@themerounded@shadow]
3166 \setbeamertemplate{items}[ball]
3167 \setbeamertemplate{sections/subsections in toc}[ball]
3168

```

32 File beamerouterthemedefault-xetex-bidi.def

```

3169 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for b
3170 \def\beamer@fteleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by1.
3171
3172 \def\beamer@fteright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightski
3173
3174 \AtBeginDocument{%
3175   \if@RTLmain
3176     \setbeamertemplate{frametitle}[default] [right]
3177   \fi
3178 }
3179
3180 \bidi@csundef{beamer@@tmpop@note page@default}
3181
3182 \newcommand*{\bidi@beamer@today}{%
3183 \the\year-\ifnum\month<10\relax0\fi\the\month-\ifnum\day<10\relax0\fi\the\day}
3184
3185 \defbeamertemplate*{note page}{default}
3186 {%
3187   {%
3188     \scriptsize
3189     \usebeamerfont{note title}\usebeamercolor[fg]{note title}%
3190     \ifbeamercolorempy[bg]{note title}{\}%
3191     \insertvrule{.25\paperheight}{note title.bg}%
3192     \vskip-.25\paperheight%
3193     \nointerlineskip%
3194   }%
3195   \vbox{
3196     \hfill\insertslideintonotes{0.25}\hskip-\Gm@rmargin\hskip0pt%
3197     \vskip-0.25\paperheight%
3198     \nointerlineskip
3199     \if@RTL
3200     \begin{pgfpicture}{-\textwidth}{0cm}{-\textwidth}{0cm}

```



```

3201     \begin{pgflowlevelslope}{\pgftransformrotate{-90}}
3202     {\pgftransformshift{\pgfpoint{2cm}{0.2cm}}}%
3203     \pgftext[base,right]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3204     \end{pgflowlevelslope}
3205     \end{pgfpicture}%
3206     \else
3207     \begin{pgfpicture}{0cm}{0cm}{0cm}{0cm}
3208     \begin{pgflowlevelslope}{\pgftransformrotate{90}}
3209     {\pgftransformshift{\pgfpoint{-2cm}{0.2cm}}}%
3210     \pgftext[base,left]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3211     \end{pgflowlevelslope}
3212     \end{pgfpicture}%
3213     \fi}
3214     \nointerlineskip
3215     \vbox to .25\paperheight{\vskip0.5em
3216     \if@RTL
3217     \moveright0.25\textwidth
3218     \fi
3219     \hbox{\insertshorttitle[width=0.75\textwidth]}}%
3220     \setbox\beamer@tempbox=\hbox{\insertsection}%
3221
3222     \if@RTL
3223     \moveright\dimexpr0.29\textwidth-14pt\relax
3224     \fi
3225     \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip4pt\raise3pt\hbox{\vrule
3226     width0.4pt height7pt\vrule width 9pt
3227     height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}}
3228     \if@RTL\endR\fi}%
3229     \setbox\beamer@tempbox=\hbox{\insertsubsection}%
3230
3231     \if@RTL
3232     \moveright\dimexpr0.29\textwidth-27.4pt\relax
3233     \fi
3234     \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip17.4pt\raise3pt\hbox{\vrule
3235     width0.4pt height7pt\vrule width 9pt
3236     height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}}
3237     \if@RTL\endR\fi}%
3238     \setbox\beamer@tempbox=\hbox{\insertshortframetitle}%
3239
3240     \if@RTL
3241     \moveright\dimexpr0.33\textwidth-40.8pt\relax
3242     \fi
3243     \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip30.8pt\raise3pt\hbox{\vrule
3244     width0.4pt height7pt\vrule width 9pt
3245     height0.4pt}}\hskip1pt\hbox{\insertshortframetitle[width=0.67\textwidth]}\fi%
3246     \vfil}%
3247     }%
3248     \ifbeamercolorempthy[bg]{note page}{-}{%
3249     \nointerlineskip%
3250     \insertvrule{.75\paperheight}{note page.bg}%
3251     \vskip-.75\paperheight%
3252     }%
3253     \vskip.25em
3254     \nointerlineskip
3255     \insertnote

```



```

3255 }
3256
3257
3258

```

33 File beamerouterthemefocus-xetex-bidi.def

```

3259 \ProvidesFile{beamerouterthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for bea
3260 \bidi@undef\beamer@tmpop@footline@progressbar
3261
3262 \defbeamertemplate*{footline}{progressbar}{%
3263   % If not appendix.
3264   \ifnum\mainend<0% From package appendixnumberbeamer.
3265     %
3266     \settowidth{\focus@pbar@leftoffset}{1}%
3267     \addtolength{\focus@pbar@leftoffset}{1.5em}%
3268     %
3269     \ifx\beamer@focus@totalframenumbering\no%
3270       \settowidth{\focus@pbar@rightoffset}{}%
3271       \addtolength{\focus@pbar@rightoffset}{0.5em}%
3272     \else%
3273       \settowidth{\focus@pbar@rightoffset}{\inserttotalframenumber}%
3274       \addtolength{\focus@pbar@rightoffset}{1.5em}%
3275     \fi%
3276     %
3277     % If not title page.
3278     \ifnum\value{realframenumber}>0%
3279       \ifnum\value{framenumber}<\inserttotalframenumber%
3280         \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]\usebeamerfont{footli
3281           \pgfmathsetmacro{\focus@pbar@progress}%
3282             {(\paperwidth-\focus@pbar@leftoffset-\focus@pbar@rightoffset)*(\inse
3283
3284           \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3285 \if@RTLmain
3286           \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@leftoff
3287           \fill[footline.bg] (\paperwidth-\the\focus@pbar@leftoffset,0) rectangle
3288             ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west,
3289 \else
3290           \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@leftoffset,\the\fo
3291           \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pb
3292             ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=east,
3293 \fi
3294           \ifx\beamer@focus@totalframenumbering\no%
3295           \else%
3296 \if@RTLmain
3297           \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@rightoffset,\t
3298             ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=e
3299 \else
3300           \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rig
3301             ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=w
3302 \fi
3303           \fi%
3304           \end{tikzpicture}%
3305 \else%

```



```

3306          \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]
3307              \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3308              \fill[footline.bg] (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3309          \if@RTLmain
3310              \node[anchor=west, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){\footline.fg};
3311          \else
3312              \node[anchor=east, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){\footline.fg};
3313          \fi
3314          \ifx\beamer@focus@totalframenummering\no%
3315              \else%
3316          \if@RTLmain
3317              \node[footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){\footline.fg};
3318              \node[anchor=east, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){\footline.fg};
3319          \else
3320              \node[footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){\footline.fg};
3321              \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){\footline.fg};
3322          \fi
3323          \fi%
3324          \end{tikzpicture}%
3325          \fi%
3326          \fi%
3327          \fi%
3328      }
3329
3330

```

34 File beamerouterthemeinfolines-xetex-bidi.def

```

3331 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for xetex]
3332 \bidi@csundef{beamer@tmpop@footline@infolines theme}
3333
3334 \defbeamertemplate*{footline}{infolines theme}
3335 {%
3336     \leavevmode%
3337     \hbox{%
3338         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}%
3339             \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\beamer@shortauthor}%
3340             \end{beamercolorbox}%
3341         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}%
3342             \usebeamerfont{title in head/foot}\insertshorttitle
3343             \end{beamercolorbox}%
3344         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,center]{date in head/foot}%
3345             \hfill%
3346             \usebeamerfont{date in head/foot}%
3347             \insertshortdate{}%
3348             \hfill%
3349             \bgroup
3350             \usebeamerfont[fg]{page number in head/foot}%
3351             \usebeamerfont{page number in head/foot}%
3352             \usebeamerfont{page number in head/foot}%
3353             \egroup
3354         \end{beamercolorbox}}%
3355     \vskipOpt%
3356 }

```



```

3357
3358 \bidi@csundef{beamer@tmpop@headline@infolines theme}
3359
3360 \defbeamertemplate*{headline}{infolines theme}
3361 {%
3362   \leavevmode%
3363   \hbox{%
3364     \if@RTL
3365       \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
3366     \else
3367       \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
3368     \fi
3369     \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
3370   \end{beamercolorbox}}%
3371 \if@RTL
3372   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}%
3373 \else
3374   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/foot}%
3375 \fi
3376   \usebeamerfont{subsection in head/foot}\hspace*{2ex}\insertsubsectionhead
3377 \end{beamercolorbox}}%
3378 \vskip0pt%
3379 }
3380
3381 \bidi@AfterFile{beamerouterthememetropolis-xetex-bidi.def}{%
3382   \setbeamertemplate{footline}{infolines theme}%
3383 }
3384

```

35 File beamerouterthememetropolis-xetex-bidi.def

```

3385 \ProvidesFile{beamerouterthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for]
3386 \setbeamertemplate{progress bar in head/foot}{
3387   \nointerlineskip
3388   \setlength{\metropolis@progressinheadfoot}{%
3389     \paperwidth * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}}%
3390   }%
3391   \begin{beamercolorbox}[wd=\paperwidth]{progress bar in head/foot}
3392     \begin{tikzpicture}
3393       \fill[bg] (0,0) rectangle (\paperwidth, \metropolis@progressinheadfoot@linewidth);
3394 \if@RTLmain
3395       \fill[fg] (\paperwidth-\metropolis@progressinheadfoot,0) rectangle (\paperwidth, \metr
3396 \else
3397       \fill[fg] (0,0) rectangle (\metropolis@progressinheadfoot, \metropolis@progressinheadf
3398 \fi
3399     \end{tikzpicture}%
3400   \end{beamercolorbox}
3401 }
3402
3403 \AtBeginDocument{%
3404   \setbeamertemplate{frametitle}[plain]%
3405 }
3406
3407

```



36 File beamerouterthememiniframes-xetex-bidi.def

```
3408 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
3409 \bidi@csundef{beamer@tmpop@headline@miniframes theme}
3410
3411 \defbeamertemplate*{headline}{miniframes theme}
3412 {%
3413   \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
3414   \end{beamercolorbox}
3415   \begin{beamercolorbox}{section in head/foot}
3416     \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt
3417   \end{beamercolorbox}%
3418   \ifbeamer@theme@subsection%
3419     \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
3420     \end{beamercolorbox}
3421     \if@RTL
3422     \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3423       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3424     \else
3425     \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3426       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3427     \fi
3428     \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3429     \end{beamercolorbox}%
3430   \fi%
3431   \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
3432   \end{beamercolorbox}
3433 }
3434
3435
```

37 File beamerouterthemesidebar-xetex-bidi.def

```
3436 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for b
3437 \bidi@csundef{beamer@tmpop@frametitle@sidebar theme}
3438
3439 \bidi@csundef{beamer@tmpop@headline@sidebar theme}
3440
3441 \bidi@csundef{beamer@tmpop@sidebar left@sidebar theme}
3442
3443 \bidi@csundef{beamer@tmpop@sidebar right@sidebar theme}
3444
3445 \ifdim\beamer@headheight>0pt
3446
3447   \defbeamertemplate*{frametitle}{sidebar theme}
3448   {%
3449     \nointerlineskip%
3450     \ifbeamer@plainframe%
3451       \hbox{\usebeamercolor[bg]{frametitle}%
3452         \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
3453         \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\bea
3454       \nointerlineskip%
3455     \fi%
3456     \vskip-\beamer@headheight%
```



```

3457 \vbox to \beamer@headheight{%
3458   \vfil
3459   \bidi@beamer@leftskip=-\beamer@leftmargin%
3460   \advance\bidi@beamer@leftskip by0.3cm%
3461   \bidi@beamer@rightskip=-\beamer@rightmargin%
3462   \advance\bidi@beamer@rightskip by0.3cm plus1fil%
3463   {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par}
3464   \ifx\insertframesubtitle\@empty\else%
3465     {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframesubtitle\par}
3466   \fi%
3467   \vbox{}%
3468   \vskip-1em%
3469   \vfil
3470 }%
3471 }
3472
3473 \AtBeginDocument{%
3474   \setbeamertemplate{frametitle}[sidebar theme]%
3475 }
3476
3477 \defbeamertemplate*{headline}{sidebar theme}
3478 {%
3479   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
3480     \ifx\beamer@sidebarside\beamer@lefttext%
3481       \else%
3482         \hfill%
3483       \fi%
3484     \ifdim\beamer@sidebarwidth>0pt%
3485       \bgroup
3486       \usebeamercolor[bg]{logo}%
3487       \if@RTLmain
3488       \else
3489         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3490         \hskip-\beamer@sidebarwidth%
3491       \fi
3492       \hbox to \beamer@sidebarwidth{\hss\vbox to
3493         \beamer@headheight{\vss\hbox{{\color{fg}\insertlogo}}\vss}\hss}%
3494       \if@RTLmain
3495         \hskip-\beamer@sidebarwidth%
3496         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3497       \fi
3498       \egroup
3499     \else%
3500       \vrule width0pt height \beamer@headheight%
3501     \fi%
3502   \end{beamercolorbox}
3503 }
3504 \fi
3505
3506 \def\beamer@sidebarformat#1#2#3{%
3507 \if@RTL
3508   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{#2}
3509 \else
3510   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{#2}

```




```

3511 \fi
3512   \vbox{}%
3513   #3\par%
3514   \vbox{}%
3515   \vskip-1.5ex%
3516 \end{beamercolorbox}
3517 }
3518
3519 \ifdim\beamer@sidebarwidth>0pt
3520
3521 \AtBeginDocument{%
3522   \setbeamersize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
3523 }
3524
3525 \defbeamer*{sidebar \beamer@sidebarside}{sidebar theme}
3526 {
3527   \beamer@tempdim=\beamer@sidebarwidth%
3528   \advance\beamer@tempdim by -6pt%
3529   {\usebeamerfont{title in sidebar}%
3530     \vskip1.5em%
3531     \hskip3pt%
3532     \bgroup
3533     \usebeamercolor[fg]{title in sidebar}%
3534     \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3535     \vskip1.25em%
3536   }%
3537   {%
3538     \hskip3pt%
3539     \bgroup
3540     \usebeamercolor[fg]{author in sidebar}%
3541     \usebeamerfont{author in sidebar}%
3542     \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3543     \vskip1.25em%
3544   }%
3545   \insertverticalnavigation{\beamer@sidebarwidth}%
3546   \vfill
3547   \ifx\beamer@sidebarside\beamer@lefttext%
3548   \else%
3549     \usebeamercolor{normal text}%
3550     \llap{\usebeamer*{navigation symbols}\hskip0.1cm}%
3551     \vskip2pt%
3552   \fi%
3553   }%
3554 \fi
3555

```

38 File beamerouterthemesplit-xetex-bidi.def

```

3556 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for bea
3557 \bidi\csundef{beamer@tmpop@footline@split theme}
3558
3559 \defbeamer*{footline}{split theme}
3560 {%
3561   \leavevmode%

```



```

3562 \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm pl
3563 \else
3564 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightski
3565 \fi
3566 \usebeamerfont{author in head/foot}\insertshortauthor
3567 \end{beamercolorbox}}%
3568 \if@RTL
3569 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm
3570 \else
3571 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm p
3572 \fi
3573 \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor[
3574 \end{beamercolorbox}}}%
3575 \vskip0pt%
3576 }
3577
3578

```

39 File beamerouterthemeshadow-xetex-bidi.def

```

3579 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for be
3580 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitlesh
3581 color(0pt)=(frametitle right.bg);
3582 color(\paperwidth)=(frametitle.bg)
3583 }
3584
3585 \newcommand*{\bidi@beamer@frametitleshade}{%
3586 \if@RTLmain
3587 \pgfuses shading{bidi@beamer@RTL@frametitleshade}%
3588 \else
3589 \pgfuses shading{beamer@frametitleshade}%
3590 \fi
3591 }
3592
3593 \bidi@csundef{beamer@@tmpop@frametitle@shadow theme}
3594
3595 \defbeamertemplate*{frametitle}{shadow theme}
3596 {%
3597 \nointerlineskip%
3598 \vskip-2pt%
3599 \hbox{\leavevmode
3600 \advance\beamer@leftmargin by -12bp%
3601 \advance\beamer@rightmargin by -12bp%
3602 \beamer@tempdim=\textwidth%
3603 \advance\beamer@tempdim by \beamer@leftmargin%
3604 \advance\beamer@tempdim by \beamer@rightmargin%
3605 \hskip-\Gm@lmargin\hbox{%
3606 \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
3607 \vbox{\vskip-.75ex%
3608 \bidi@beamer@leftskip0.3cm%
3609 \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
3610 \bgroup\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframe
3611 \ifx\insertframesubtitle\@empty\else%
3612 {\usebeamerfont*{framesubtitle}\usebeamercolor[fg]{framesubtitle}\insertframesub

```



```

3613         \fi%
3614         \nointerlineskip
3615         \vbox{}%
3616         \end{minipage}}%
3617     \beamer@tempdim=\ht\beamer@tempbox%
3618     \advance\beamer@tempdim by 2pt%
3619     \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
3620     \begin{pgfscope}
3621         \pgfsetfillcolor{black}%
3622         \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
3623         \pgfsetfading{beamer@topshadowmask}{}%
3624         \pgfusepath{fill}%
3625     \end{pgfscope}
3626     \begin{pgfscope}
3627         \usebeamercolor{frametitle right}%
3628         \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
3629         \pgfusepath{clip}%
3630         \pgftext[left,base]{\bidi@beamer@frametitleshade}%
3631     \end{pgfscope}
3632     \end{pgfpicture}
3633     \hskip-\paperwidth%
3634     \box\beamer@tempbox%
3635 }%
3636 \hskip-\Gm@rmargin%
3637 }%
3638 \vskip-2pt
3639 }
3640
3641 \AtBeginDocument{%
3642     \setbeamertemplate{frametitle}[shadow theme]%
3643 }
3644
3645

```

40 File beamerouterthemesmoothbars-xetex-bidi.def

```

3646 \ProvidesFile{beamerouterthemesmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for]
3647 \bidi@csundef{beamer@tmpop@headline@smoothbars theme}
3648
3649 \bidi@csundef{beamer@tmpop@frametitle@smoothbars theme}
3650
3651 \defbeamertemplate*{headline}{smoothbars theme}
3652 {%
3653     \pgfuses shading{beamer@barshade}%
3654     \vskip-0.05ex%
3655     \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3656     \begin{pgfpicture}
3657         \begin{pgfscope}%
3658             \ifbeamer@sb@subsection%
3659                 \pgfsetfillcolor{subsection in head/foot.bg}%
3660             \else%
3661                 \pgfsetfillcolor{section in head/foot.bg}%
3662             \fi%
3663             \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%

```



```

3664     \pgfsetfading{beamer@belowframetitlemask}{}%
3665     \pgfusepath{fill}%
3666     \end{pgfscope}%
3667 \end{pgfpicture}%
3668 \end{beamercolorbox}%
3669 \ifbeamer@sb@subsection%
3670     \vskip-9.75ex%
3671 \else%
3672     \vskip-6.85ex%
3673 \fi%
3674 \begin{beamercolorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}
3675     \insertnavigation{\paperwidth}
3676 \end{beamercolorbox}%
3677 \ifbeamer@sb@subsection%
3678 \if@RTL
3679     \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3680         rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3681     \else
3682     \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3683         leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3684     \fi
3685     \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3686 \end{beamercolorbox}%
3687 \fi%
3688 }%
3689
3690 \defbeamertheme*{frametitle}{smoothbars theme}
3691 {%
3692     \nointerlineskip%
3693     \vskip-0.19ex%
3694     \usebeamerfont{headline}%
3695     \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3696         \pgfuses shading{beamer@aboveframetitle}%
3697     \end{beamercolorbox}%
3698     \vskip-1ex%
3699     \nointerlineskip%
3700     \if@RTL
3701     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{frameti
3702     \else
3703     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{frameti
3704     \fi
3705     \vskip0.5ex%
3706     \usebeamerfont*{frametitle}\strut\insertframetitle%
3707     \ifx\insertframesubtitle\@empty%
3708         \strut\par%
3709     \else
3710         \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertf
3711         \fi}%
3712     \usebeamerfont{headline}%
3713     \vskip0.05ex%
3714 \end{beamercolorbox}%
3715 \nointerlineskip%
3716 \vskip-0.05ex%
3717 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}

```



```

3718 \begin{pgfpicture}
3719   \begin{pgfscope}%
3720     \pgfsetfillcolor{frametitle.bg}%
3721     \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3722     \pgfsetfading{beamer@belowframetitlemask}{}%
3723     \pgfusepath{fill}%
3724   \end{pgfscope}%
3725 \end{pgfpicture}%
3726 \end{beamercolorbox}%
3727 }
3728
3729 \AtBeginDocument{%
3730   \setbeamertemplate{frametitle}[smoothbars theme]%
3731 }
3732
3733

```

41 File beamerouterthemesmoothtree-xetex-bidi.def

```

3734 \ProvidesFile{beamerouterthemesmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3735 \bidi\csundef{beamer@tmpop@headline@smoothtree theme}
3736
3737 \bidi\csundef{beamer@tmpop@frametitle@smoothtree theme}
3738
3739 \defbeamertemplate*{headline}{smoothtree theme}
3740 {%
3741   \pgfuses shading{beamer@treeshade}%
3742   \vskip-0.05ex%
3743   \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3744     \begin{pgfpicture}
3745       \begin{pgfscope}%
3746         \pgfsetfillcolor{subsection in head/foot.bg}%
3747         \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3748         \pgfsetfading{beamer@belowframetitlemask}{}%
3749         \pgfusepath{fill}%
3750       \end{pgfscope}%
3751     \end{pgfpicture}%
3752   \end{beamer colorbox}%
3753   \vskip-9.15ex%
3754   \if@RTL
3755     \begin{beamer colorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3756       rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3757   \else
3758     \begin{beamer colorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3759       leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3760     \fi
3761     \usebeamerfont{title in head/foot}\insertshorttitle
3762   \end{beamer colorbox}
3763   \if@RTL
3764     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3765       rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3766   \else
3767     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3768       leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}

```



```

3769 \fi
3770 \usebeamerfont{section in head/footer}%
3771 \hskip6pt\insertsectionhead
3772 \end{beamercolorbox}
3773 \if@RTL
3774 \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3775 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/footer}
3776 \else
3777 \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3778 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/footer}
3779 \fi
3780 \usebeamerfont{subsection in head/footer}%
3781 \hskip12pt\insertsubsectionhead
3782 \end{beamercolorbox}
3783 \vskip-0.4ex%
3784 }
3785
3786 \defbeamertemplate*{frametitle}{smoothtree theme}
3787 {%
3788 \nointerlineskip%
3789 \vskip-0.05ex%
3790 \usebeamerfont{headline}%
3791 \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3792 \pgfuses shading{beamer@aboveframetitle}%
3793 \end{beamercolorbox}
3794 \nointerlineskip%
3795 \if@RTL
3796 \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3797 \else
3798 \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3799 \fi
3800 \vskip-1.2ex%
3801 \usebeamerfont*{frametitle}\strut\insertframetitle%
3802 \ifx\insertframesubtitle\@empty%
3803 \strut\par%
3804 \else
3805 \par{\usebeamerfont*{framesubtitle}\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}
3806 \fi%
3807 \usebeamerfont{headline}%
3808 \end{beamercolorbox}%
3809 \nointerlineskip
3810 \vskip-0.2ex%
3811 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3812 \begin{pgfpicture}
3813 \begin{pgfscope}%
3814 \pgfsetfillcolor{frametitle.bg}%
3815 \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3816 \pgfsetfading{beamer@belowframetitlemask}{}%
3817 \pgfusepath{fill}%
3818 \end{pgfscope}%
3819 \end{pgfpicture}%
3820 \end{beamercolorbox}%
3821 }
3822

```



```

3823
3824 \AtBeginDocument{%
3825   \setbeamertheme{frametitle}[smoothtree theme]%
3826 }
3827
3828

```

42 File beamerouterthemetree-xetex-bidi.def

```

3829 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beam
3830 \bidi@csundef{beamer@tmpop@headline@tree theme}
3831
3832 \defbeamertheme*{headline}{tree theme}
3833 {%
3834   \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3835   \end{beamercolorbox}
3836   \if@RTL
3837     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3838       rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3839     \else
3840     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3841       leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3842     \fi
3843     \usebeamerfont{title in head/foot}\insertshorttitle
3844   \end{beamercolorbox}
3845   \if@RTL
3846     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3847       rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3848     \else
3849     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3850       leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3851     \fi
3852     \usebeamerfont{section in head/foot}%
3853     \ifbeamer@tree@showhooks
3854       \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3855       \ifdim\wd\beamer@tempbox>1pt%
3856         \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0.
3857         \hskip1pt%
3858       \fi%
3859     \else%
3860       \hskip6pt%
3861     \fi%
3862     \insertsectionhead
3863   \end{beamercolorbox}
3864   \if@RTL
3865     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3866       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3867     \else
3868     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3869       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3870     \fi
3871     \usebeamerfont{subsection in head/foot}%
3872     \ifbeamer@tree@showhooks
3873       \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%

```



```

3874         \ifdim\wd\beamer@tempbox>1pt%
3875         \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height
3876         \hskip1pt%
3877         \fi%
3878     \else%
3879         \hskip12pt%
3880         \fi%
3881         \insertsubsectionhead
3882     \end{beamercolorbox}
3883     \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
3884     \end{beamercolorbox}
3885 }
3886
3887

```

43 File beamerthemeHannover-xetex-bidi.def

```

3888 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beamer]
3889 \AtBeginDocument{%
3890     \if@RTLMain
3891         \setbeamertemplate{frametitle}[default][left]%
3892     \else
3893         \setbeamertemplate{frametitle}[default][right]%
3894     \fi
3895 }
3896
3897

```

44 File beamerthemeSingapore-xetex-bidi.def

```

3898 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beamer]
3899 \addtoheadtemplate{\pgfuses shading{beamer@headfade}\vskip-1.25cm}{ }
3900
3901 \beamertemplatedotitem
3902
3903 \AtBeginDocument{%
3904     \setbeamertemplate{frametitle}[default][center]%
3905 }
3906
3907

```

45 File bidi.sty

```

3908 \NeedsTeXFormat{LaTeX2e}
3909 \def\bididate{2022/07/02}
3910 \def\bidi@version{38.6}
3911 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
3912 Bidirectional typesetting in plain TeX and LaTeX]
3913 \edef\@bidi@info{*****~^J%
3914 * ~^J%
3915 * bidi package (Bidirectional typesetting in~^J%
3916 * plain TeX and LaTeX, using XeTeX engine)~^J%
3917 * ~^J%
3918 * Description: A convenient interface for~^J%

```




```

3919 * typesetting bidirectional texts in plain TeX^^J%
3920 * and LaTeX. The package includes adaptations^^J%
3921 * for use with many other commonly-used packages.^^J%
3922 * ^^J%
3923 * Copyright (c) 2007--2022 Vafa Khalighi^^J%
3924 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
3925 * ^^J%
3926 * v\bidi@version, \bididate^^J%
3927 * ^^J%
3928 * License: LaTeX Project Public License, version^^J%
3929 * 1.3c or higher (your choice)^^J%
3930 * ^^J%
3931 * Location on CTAN: /macros/xetex/latex/bidi^^J%
3932 * ^^J%
3933 * Issue tracker: https://github.com/kvafa/bidi/issues^^J%
3934 * ^^J%
3935 * Discussions: https://github.com/kvafa/bidi/discussions^^J%
3936 * ^^J%
3937 * Primary author of bidi package: Vafa Khalighi.^^J%
3938 * ^^J%
3939 *****}
3940 \typeout{\@bidi@info}
3941 \edef\bidi@everyjob{\the\everyjob}
3942 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
3943 \newcommand*{\bidi@version}{\ensuremath\bidi@version}
3944 \newcommand*{\IfbidiPackageVersionLater}[1]{%
3945   \ifdim\bidi@version pt > #1 pt %
3946     \expandafter\@firstoftwo
3947   \else
3948     \expandafter\@secondoftwo
3949   \fi}
3950 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
3951   \ifdim\bidi@version pt < #1 pt %
3952     \expandafter\@firstoftwo
3953   \else
3954     \expandafter\@secondoftwo
3955   \fi}
3956 \newcommand*{\IfbidiPackageVersion}[1]{%
3957   \ifdim\bidi@version pt = #1 pt %
3958     \expandafter\@firstoftwo
3959   \else
3960     \expandafter\@secondoftwo
3961   \fi}
3962 \RequirePackage{iftex}
3963 \RequireXeTeX
3964 \RequirePackage{bidiutils}
3965 \RequirePackage{zref-abspage}
3966 \RequirePackage{auxhook}
3967 \RequirePackage{ltxcmds}
3968 \RequirePackage{xkeyval}
3969 \eqnewif{\if@RTLmain}{\if@rlmain}
3970 \eqnewif{\if@RTL}{\if@rl}
3971 \newif\if@nonlatin
3972 \newif\if@bidi@perpage@footnote

```



```

3973 \newcommand*{\setlatin}{\@nonlatinfalse}
3974 \newcommand*{\setnonlatin}{\@nonlatintrue}
3975 \eqnewif{\if@RTLtab}{\if@tab@rl}
3976 \newif\if@hboxRconstruct
3977 \newif\if@bidi@pdfencrypt
3978 \newcommand*{\setRTLtable}{\@RTLtabtrue}
3979 \newcommand*{\setLTRtable}{\@RTLtabfalse}
3980 \newif\if@bidi@pdfm@mark
3981 \newif\if@RTLmarginpar
3982 \newif\if@LTRmarginpar
3983 \newif\if@LTRbibitems
3984 \newif\if@RTLbibitems
3985 \newif\if@extrafootnotefeatures
3986 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
3987 \newif\if@bidi@list@minipage@parbox
3988 \newif\if@bidi@list@minipage@parbox@not@nob
3989 \newcommand*{\@bidi@pdfcreator}{%
3990   The bidi package, v\bidi@version, \bididate
3991 }
3992 \newcommand*{\@bidi@pdfproducer}{%
3993   The bidi package, v\bidi@version, \bididate
3994 }
3995 \newcommand*{\@bidi@pdfcustomproperties}{%
3996   This is the bidi package, Version \bidi@version,
3997   Released July 2, 2022.
3998 }
3999 \newcommand*{\bidi@beamer@ragged}{%
4000 \@RTLmainfalse
4001 \AtBeginDocument{%
4002   \if@RTLmain\else
4003     \if@RTL\@RTLmaintrue%
4004     \else\@RTLmainfalse%
4005     \fi%
4006   \fi%
4007 }
4008 \let\n@xt=\
4009 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
4010 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4011 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
4012 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4013 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4014   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4015 \newinsert\@bidi@copyins@
4016 \skip\@bidi@copyins@=12\p@
4017 \dimen\@bidi@copyins@=40pc
4018 \count\@bidi@copyins@=1000
4019 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
4020 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
4021   \if@RTLmain
4022     \if@twocolumn
4023       \hboxR to \columnwidth
4024     \else
4025       \hboxR to \textwidth
4026     \fi

```



```

4027 \else
4028   \if@twocolumn
4029     \hboxL to \columnwidth
4030   \else
4031     \hboxL to \textwidth
4032   \fi
4033 \fi
4034 }
4035 \newcommand*{\@bidi@logo}[1]{%
4036   \toks@{%
4037     \setbox\z@\hbox{%
4038       \special{%
4039         pdf:image width 50pt height 50pt (#1)%
4040       }
4041     }%
4042     \dp\z@\z@
4043     \ht\z@=50pt
4044     \wd\z@=50pt
4045     \beginL
4046     \lower20pt\box\z@
4047     \endL
4048   }%
4049   \the\toks@
4050 }
4051 \newcommand*{\@bidi@logo@}{%
4052   \@bidi@logo@hb@xt@columnwidth
4053   {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
4054     package\quad\@bidi@logo{bidi-logo.pdf}}}}
4055 \define@key{bidi@pdfencrypt}{userpassword}[]{%
4056   \def\bidi@pdfencrypt@userpassword{#1}%
4057 }
4058 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
4059   \def\bidi@pdfencrypt@ownerpassword{#1}%
4060 }
4061 \define@key{bidi@pdfencrypt}{keylength}[128]{%
4062   \def\bidi@pdfencrypt@keylength{#1}%
4063 }
4064 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
4065   \def\bidi@pdfencrypt@permissionflags{#1}%
4066 }
4067 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
4068 \@onlypreamble\pdfencryptsetup
4069 \input{latex-xetex-bidi.def}
4070 \input{loadingorder-xetex-bidi.def}
4071 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4072   \ifcase\bidi@tempb\relax
4073     \@RTLtrue
4074   \or
4075     \@RTLfalse
4076   \fi}
4077 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
4078 \ifcase\bidi@tempb\relax
4079   \@RTLtrue
4080 \or

```



```

4081 \RTLfalse
4082 \fi}
4083 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
4084 \ifcase\bidi@tempb\relax
4085 \RTLtabtrue
4086 \or
4087 \RTLtabfalse
4088 \fi}
4089 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
4090 \ifcase\bidi@tempb\relax
4091 \nonlatinfalse
4092 \or
4093 \nonlatintrue
4094 \fi}
4095 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4096 \ifcase\bidi@tempb\relax
4097 \RTLtrue
4098 \or
4099 \RTLfalse
4100 \fi}
4101 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split}
4102 \ifcase\bidi@tempb\relax
4103 \autofootnoterule
4104 \or
4105 \leftfootnoterule
4106 \or
4107 \rightfootnoterule
4108 \or
4109 \SplitFootnoteRule
4110 \or
4111 \textwidthfootnoterule
4112 \fi}
4113 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
4114 \ifcase\bidi@tempb\relax
4115 \RTL@footnotetrue
4116 \or
4117 \RTL@footnotefalse
4118 \fi}
4119 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4120 \ifcase\bidi@tempb\relax
4121 \footdir@debugtrue
4122 \or
4123 \footdir@debugfalse
4124 \fi}
4125 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4126 \ifcase\bidi@tempb\relax
4127 \@extrafootnotefeaturestrue
4128 \or
4129 \@extrafootnotefeaturesfalse
4130 \fi}
4131
4132 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4133 \ifcase\bidi@tempb\relax
4134 \def\bidi@firstcolumn@status@write{%

```



```

4135         \protected@write\@auxout{%
4136             {\string\bidicolumn@status
4137             {1}}}%
4138 \def\bidilastcolumn@status@write{%
4139     \protected@write\@auxout{%
4140         {\string\bidicolumn@status{2}}}%
4141 \or
4142     \let\bidifirstcolumn@status@write\relax
4143     \let\bidilastcolumn@status@write\relax
4144 \fi}
4145
4146 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4147     \ifcase\bidi@tempb\relax
4148         \AtBeginDocument{\@bidi@inslogo@}%
4149     \or
4150         \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
4151     \fi}
4152
4153 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4154     \ifcase\bidi@tempb\relax
4155         \@bidi@pdfm@marktrue
4156     \or
4157         \@bidi@pdfm@markfalse
4158     \fi}
4159
4160 % The `perpagefootnote' option is documented in UK TeX FAQ at
4161 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
4162
4163 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
4164     \ifcase\bidi@tempb\relax
4165         \@bidi@perpage@footnotetrue
4166     \or
4167         \@bidi@perpage@footnotefalse
4168     \fi}
4169
4170 \ExecuteOptionsX{%
4171     DetectColumn=off%
4172 }
4173
4174 \ProcessOptionsX
4175
4176 \pdfencryptsetup{%
4177     userpassword,%
4178     ownerpassword,%
4179     keylength,%
4180     permissionflags%
4181 }
4182
4183 \if@extrafootnotefeatures
4184     \input{extrafootnotefeatures-xetex-bidi.def}
4185 \fi
4186 \newcount\bidi@digits
4187 \XeTeXinterchartokenstate=\@ne
4188 \newXeTeXintercharclass\bidi@digits@charclass

```



```

4189 \newXeTeXintercharclass\bidisepmark@charclass
4190 \XeTeXcharclass `\. \bidisepmark@charclass
4191 \XeTeXcharclass `\- \bidisepmark@charclass
4192 \bidi@digits=`\0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
4193 \bidi@digits=`\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
4194 \bidi@digits=`\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
4195 \XeTeXinterchartoks \bidisepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCh
4196 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
4197 \bidi@AtEndPreamble{%
4198   \if@bidi@perpage@footnote
4199     \RequirePackage{bidi-perpage}%
4200     \ResetCounterPerPage{footnote}%
4201   \fi
4202   \ifx\bidi@pdfencrypt@ownerpassword\bidi@empty
4203     \ifx\bidi@pdfencrypt@userpassword\bidi@empty
4204       \@bidi@pdfencryptfalse
4205     \else
4206       \@bidi@pdfencrypttrue
4207     \fi
4208   \else
4209     \@bidi@pdfencrypttrue
4210   \fi
4211   \if@bidi@pdfencrypt
4212     \special{pdf:encrypt
4213       userpw (\bidi@pdfencrypt@userpassword)
4214       ownerpw (\bidi@pdfencrypt@ownerpassword)
4215       length \bidi@pdfencrypt@keylength
4216       perm \bidi@pdfencrypt@permissionflags
4217     }%
4218   \fi
4219 }
4220 \AtEndDocument{%
4221   \special{pdf:%
4222     docinfo<<%
4223     \if@bidi@pdfm@mark
4224       /Creator(\@bidi@pdfcreator)%
4225       /Producer(\@bidi@pdfproducer)%
4226     \fi
4227     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4228     \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4229       /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4230     }{}%
4231     >>%
4232   }%
4233 }

```

46 File bidi.tex

```

4234 \def\bididate{2022/07/02}
4235 \catcode`@=11
4236 \def\bidi@version{38.6}
4237 \let \protect \relax
4238 \newlinechar`^^J
4239 \edef\@bidi@info{*****~J%

```



```

4240 * ^^J%
4241 * bidi package (Bidirectional typesetting in^^J%
4242 * plain TeX and LaTeX, using XeTeX engine)^^J%
4243 * ^^J%
4244 * Description: A convenient interface for^^J%
4245 * typesetting bidirectional texts in plain TeX^^J%
4246 * and LaTeX. The package includes adaptations^^J%
4247 * for use with many other commonly-used packages.^^J%
4248 * ^^J%
4249 * Copyright (c) 2007--2022 Vafa Khalighi^^J%
4250 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
4251 * ^^J%
4252 * v\bidi@version, \bididate^^J%
4253 * ^^J%
4254 * License: LaTeX Project Public License, version^^J%
4255 * 1.3c or higher (your choice)^^J%
4256 * ^^J%
4257 * Location on CTAN: /macros/xetex/latex/bidi^^J%
4258 * ^^J%
4259 * Issue tracker: https://github.com/kvafa/bidi/issues^^J%
4260 * ^^J%
4261 * Discussions: https://github.com/kvafa/bidi/discussions^^J%
4262 * ^^J%
4263 * Primary author of bidi package: Vafa Khalighi.^^J%
4264 * ^^J%
4265 * *****}
4266 \message{\@bidi@info}
4267 \edef\bidi@everyjob{\the\everyjob}
4268 \everyjob{\bidi@everyjob\message{\@bidi@info}}
4269 \def\bidiversion{%
4270   \relax
4271   \ifmode
4272     \bidi@version
4273   \else
4274     $\bidi@version$
4275   \fi
4276 }
4277 \input iftex.sty
4278 \RequireXeTeX
4279 \newif\if@bidi@pdfm@mark
4280 \newif\if@RTLmain
4281 \newif\if@RTL
4282 \newif\if@hboxRconstruct
4283 \newif\if@sendif
4284 \newif\if@RTL@footnote
4285 \@RTLmainfalse
4286 \def\setRTLmain{%
4287   \if@RTLmain\else
4288     \if@RTL\@RTLmaintrue%
4289     \else\@RTLmainfalse%
4290   \fi%
4291   \fi%
4292 }
4293 \let\n@xt=\

```



```

4294 \protected\def\LRE{\protect\pLRE}%
4295 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4296 \protected\def\RLE{\protect\pRLE}
4297 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4298 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4299 \errmessage{Missing left brace has been substituted}\fi \bgroup}
4300 \newinsert\@bidi@copyins@
4301 \skip\@bidi@copyins@=12\p@
4302 \dimen\@bidi@copyins@=40pc
4303 \count\@bidi@copyins@=1000
4304 \def\@bidi@inslogo@{\insert\@bidi@copyins@\@bidi@logo@}
4305 \def\@bidi@logo@hb@xt@{%
4306 \if@RTLmain
4307 \hboxR to
4308 \else
4309 \hboxL to
4310 \fi
4311 }
4312 \def\@bidi@logo#1{%
4313 \toks@{%
4314 \setbox\z@\hbox{%
4315 \special{%
4316 pdf:image width 50pt height 50pt (#1)%
4317 }
4318 }%
4319 \dp\z@\z@
4320 \ht\z@=50pt
4321 \wd\z@=50pt
4322 \beginL
4323 \lower20pt\box\z@
4324 \endL
4325 }%
4326 \the\toks@
4327 }
4328 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@logo@}}
4329 \def\nobidilogo{\let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty}
4330 \def\@bidi@pdfcreator{%
4331 The bidi package, v\@bidi@version, \@bidi@date
4332 }
4333 \def\@bidi@pdfproducer{%
4334 The bidi package, v\@bidi@version, \@bidi@date
4335 }
4336 \def\@bidi@pdfcustomproperties{%
4337 This is the bidi package, Version \@bidi@version,
4338 Released July 2, 2022.
4339 }
4340 \def\@bidi@pdfm@mark{%
4341 \special{pdf:
4342 docinfo<<%
4343 \if\@bidi@pdfm@mark
4344 /Creator(\@bidi@pdfcreator)%
4345 /Producer(\@bidi@pdfproducer)%
4346 \fi
4347 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%

```




```

4348      >>%
4349    }%
4350 }
4351 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
4352 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
4353 \input plain-xetex-bidi.def
4354 \@bidi@inslogo@
4355 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark@end}
4356 \catcode`\@=12
4357 \bidipdfinfoon

```

47 File bidi2in1.sty

```

4358 \NeedsTeXFormat{LaTeX2e}
4359 \ProvidesPackage{bidi2in1}
4360 \pagestyle{plain}
4361 \newcount\evenpage
4362 \newcount\oddpag
4363 \twocolumn
4364 \def\@oddfoot{\evenpage=\thepage%
4365 \multiply\evenpage by 2%
4366 \oddpag=\the\evenpage%
4367 \advance\oddpag by -1%
4368 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
4369 \def\@evenfoot{\evenpage=\thepage%
4370 \multiply\evenpage by 2%
4371 \oddpag=\the\evenpage%
4372 \advance\oddpag by -1%
4373 \hfil\the\oddpag\hfil\hfil\the\evenpage\hfil}%
4374 \textwidth 9.49in
4375 \textheight 6.7in
4376 \columnsep 0.9in
4377 \columnseprule 0.125pt
4378 \headheight 0cm
4379 \topmargin 0in
4380 \marginparwidth 0in
4381 \marginparsep 0in
4382 \hoffset 0.05in % Corrected
4383 \voffset -0.5in %top margin space is 1.0in by default
4384 \oddsidemargin 0in
4385 \evensidemargin 0in
4386 \headsep 0cm
4387 \topskip 0cm
4388 \parskip 0.15in %
4389 \headsep 0pt
4390 \special{papersize=11.69in,8.26in}
4391 \renewcommand\maketitle{\par
4392 \begingroup
4393 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
4394 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
4395 \long\def\@makefntext##1{\parindent 1em\noindent
4396 \hb@xt@1.8em{%
4397 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
4398 \@maketitle

```



```

4399 \@thanks
4400 \endgroup
4401 \setcounter{footnote}{0}%
4402 \global\let\thanks\relax
4403 \global\let\maketitle\relax
4404 \global\let\@maketitle\relax
4405 \global\let\@thanks\@empty
4406 \global\let\@author\@empty
4407 \global\let\@date\@empty
4408 \global\let\@title\@empty
4409 \global\let\title\relax
4410 \global\let\author\relax
4411 \global\let\date\relax
4412 \global\let\and\relax
4413 }

```

48 File bidicode.sty

```

4414 \NeedsTeXFormat{LaTeX2e}
4415 \ProvidesPackage{bidicode}
4416 \RequirePackage{xcolor}
4417 \RequirePackage{showexpl}
4418 \definecolor{hellgelb}{rgb}{1,1,0.85}
4419 \definecolor{colKeys}{rgb}{0,0,1}
4420 \definecolor{colCS}{rgb}{0,0,1}
4421 \definecolor{colIdentifier}{rgb}{0,0,0}
4422 \definecolor{colComments}{rgb}{1,0,0}
4423 \definecolor{colString}{rgb}{0,0.5,0}
4424 \lstset{%
4425     language=[LaTeX]TeX,%
4426     float=hbp,%
4427     basicstyle=\ttfamily\small,%
4428     identifierstyle=\color{colIdentifier},%
4429     keywordstyle=\color{colKeys},%
4430     texcsstyle=\color{colCS},%
4431     stringstyle=\color{colString},%
4432     commentstyle=\color{colComments},%
4433     backgroundcolor=\color{hellgelb},%
4434     columns=flexible,%
4435     tabsize=4,%
4436     extendedchars=true,%
4437     showspaces=false,%
4438     showstringspaces=false,%
4439     numbers=left,%
4440     numbersep=0.9em,%
4441     numberstyle=\tiny,%
4442     frame=single,%
4443     captionpos=b,%
4444     xleftmargin=1em,%
4445     breaklines=true,%
4446     breakautoindent=false,%
4447     breakindent=0pt,%
4448     escapeinside=**,%
4449     pos=r,%

```



```

4450 explpreset={%
4451     xleftmargin=1em,%
4452     columns=flexible,%
4453     language=[LaTeX]TeX%
4454 },%
4455 moretexcs={%
4456     bididate,%
4457     bidiversion,%
4458     deflatinfont,%
4459     defpersianfont,%
4460     ding,%
4461     endLTR,%
4462     endRTL,%
4463     false,%
4464     falsesymbol,%
4465     junicode,%
4466     lr,%
4467     LR,%
4468     LRE,%
4469     LTR,%
4470     maketitle,%
4471     Nastaliq,%
4472     newfontfamily,%
4473     Parsifont,%
4474     part,%
4475     RL,%
4476     RLE,%
4477     RTL,%
4478     RTLcases,%
4479     SepMark,%
4480     setLR,%
4481     setLTR,%
4482     setRL,%
4483     setRTL,%
4484     settextfont,%
4485     subsection,%
4486     subsubsection,%
4487     tableofcontents,%
4488     text,%
4489     theequation,%
4490     thesection,%
4491     true,%
4492     truesymbol,%
4493     XePersian,%
4494     xepersiandate,%
4495     xepersianversion%
4496 },%
4497 }
4498 \newcommand\HLON{%
4499     \gdef\lst@alloverstyle##1{%
4500         \fboxrule=0pt
4501         \fboxsep=0pt
4502         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
4503     }}

```



```

4504 \newcommand\HLOFF{%
4505   \xdef\lst@alloverstyle##1{##1}%
4506 }
4507 \newcommand\Larg [1]{\normalfont\itshape#1\}/}
4508 \newcommand\Larga[1]{\langle\Larg{#1}\rangle$}
4509 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
4510 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
4511 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
4512 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
4513 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
4514
4515 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
4516 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
4517 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`{}}
4518 \DeclareRobustCommand\lsb{\normalfont\ttfamily{}}
4519 \DeclareRobustCommand\rsb{\normalfont\ttfamily{}}
4520 \DeclareRobustCommand\lrb{\normalfont\ttfamily{}}
4521 \DeclareRobustCommand\rrb{\normalfont\ttfamily{}}
4522
4523 \def\Lcs#1{\nxLcs{#1}}
4524 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
4525 \def\nxLcs#1{\texttt{\symbol{92}}#1}}
4526
4527 \def\Coordx#1{$x_{#1}$}
4528 \def\Coordy#1{$y_{#1}$}
4529 \def\Coordz#1{$z_{#1}$}
4530 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4531 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
4532 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4533 \def\CAny{\Coordx{}},\kern 1pt\Coordy{}
4534 \def\CIIAny{\Coordx{}},\kern 1pt\Coordy{}},\kern 1pt\Coordz{}
4535 \def\coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4536 \def\coordn{\Coordx{n},\kern 1pt\Coordy{n}}
4537 \def\coordiii#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4538 \def\coordx#1{($x_{#1}$)}
4539 \def\coordy#1{($y_{#1}$)}
4540 \def\coordz#1{($z_{#1}$)}
4541 \def\cAny{\Coordx{}},\kern 1pt\Coordy{}
4542 \def\ciiAny{\Coordx{}},\kern 1pt\Coordy{}},\kern 1pt\Coordz{}
4543
4544 \newsavebox{\boxdef}
4545 \newenvironment{BDef}
4546   {\begin{lrbox}\boxdef
4547     \def\arraystretch{1.0}
4548     \begin{tabular}{@{}l@{}l@{}l@{}}
4549   }
4550   {\end{tabular}\end{lrbox}}
4551
4552   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
4553   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4554 }
4555
4556 \newenvironment{BDef*}
4557   {\begin{lrbox}\boxdef

```



```

4558     \def\arraystretch{1.0}
4559     \begin{tabular}{@{}l@{}l@{}l@{}}
4560   }
4561   {\end{tabular}\end{lrbox}
4562   {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}
4563   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4564 }
4565 \newenvironment{BCmd}{
4566   \@beginparpenalty-\@lowpenalty
4567   \topsep\BDefaboveskip
4568   \fboxsep3pt
4569   \flushleft}
4570 {\@endparpenalty\@M
4571   \topsepadd\BDefbelowskip
4572   \endflushleft}
4573
4574 \newenvironment{BCmd*}{
4575   \@beginparpenalty\@M
4576   \topsep\BDefinlineskip
4577   \fboxsep3pt
4578   \flushleft}
4579 {\@endparpenalty5000
4580   \endflushleft}
4581
4582 \newskip\BDefaboveskip
4583 \newskip\BDefbelowskip
4584 \newskip\BDefinlineskip
4585 \setlength\BDefaboveskip{10pt plus 4pt}
4586 \setlength\BDefbelowskip{6pt}
4587 \setlength\BDefinlineskip{6pt}
4588
4589 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
4590 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
4591 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
4592 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

49 File bidiftnxtra.sty

```

4593 \NeedsTeXFormat{LaTeX2e}
4594 \ProvidesPackage{bidiftnxtra}
4595 \newtoks\bidip@ftn
4596 \let\FN@sffootnote\footnote
4597 \let\FN@sff@LTRfootnote\LTRfootnote
4598 \let\FN@sff@RTLfootnote\RTLfootnote
4599 \def\footnote{\ifx\protect\@typeset@protect
4600   \expandafter\FN@sff@footnote
4601   \else
4602     \expandafter\FN@sff@gobble@opt
4603   \fi
4604 }
4605 \def\LTRfootnote{\ifx\protect\@typeset@protect
4606   \expandafter\FN@sff@LTRfootnote
4607   \else
4608     \expandafter\FN@sff@gobble@opt

```



```

4609 \fi
4610 }
4611 \def\RTLfootnote{\ifx\protect\@typeset@protect
4612 \expandafter\FN@sfi@RTLfootnote
4613 \else
4614 \expandafter\FN@sfi@gobble@opt
4615 \fi
4616 }
4617 \edef\FN@sfi@gobble@opt{\noexpand\protect
4618 \expandafter\noexpand\csname FN@sfi@gobble@opt \endcsname}
4619 \expandafter\def\csname FN@sfi@gobble@opt \endcsname{%
4620 \@ifnextchar[%]
4621 \FN@sfi@gobble@twobrace
4622 \@gobble
4623 }
4624 \def\FN@sfi@gobble@twobrace[#1]#2{}
4625 \let\FN@sfi@footnotemark\footnotemark
4626 \def\footnotemark{\ifx\protect\@typeset@protect
4627 \expandafter\FN@sfi@footnotemark
4628 \else
4629 \expandafter\FN@sfi@gobble@optonly
4630 \fi
4631 }
4632 \edef\FN@sfi@gobble@optonly{\noexpand\protect
4633 \expandafter\noexpand\csname FN@sfi@gobble@optonly \endcsname}
4634 \expandafter\def\csname FN@sfi@gobble@optonly \endcsname{%
4635 \@ifnextchar[%]
4636 \FN@sfi@gobble@brace
4637 }%
4638 }
4639 \def\FN@sfi@gobble@brace[#1]{}
4640 \def\@tabular{%
4641 \leavevmode \hbox \bgroup
4642 \let\@footnotetext\@bidi@p@ftntext
4643 \let\@LTRfootnotetext\@bidi@p@LTRftntext
4644 \let\@RTLfootnotetext\@bidi@p@RTLftntext
4645 \let\@xfootnotenext\@bidi@p@xftntext
4646 \let\@xfootnote\@bidi@p@xfootnote
4647 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4648 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4649 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4650 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4651 \if@RTLtab\beginR \fi
4652 $\let\@acol\@tabacol
4653 \let\@class\@tabclassz
4654 \let\@classiv\@tabclassiv \let\@tabularcr\@tabarray}
4655 \def\endtabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
4656 \egroup $\if@RTLtab\endR\fi\egroup
4657 \ifx\@capttype\@undefined
4658 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
4659 \long\def\@bidi@p@ftntext#1{%
4660 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
4661 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
4662 \long\def\@bidi@p@LTRftntext#1{%

```



```

4663 \edef\@tempyi{\the\bidip@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
4664 \global\bidip@ftn\expandafter{\@tempyi{#1}}}%
4665 \long\def\bidip@RTLftntext#1{%
4666 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
4667 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
4668
4669
4670 \long\def\bidip@xftntext[#1]#2{%
4671 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
4672
4673 \long\def\bidip@xLTRftntext[#1]#2{%
4674 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
4675
4676 \long\def\bidip@xRTLftntext[#1]#2{%
4677 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
4678
4679
4680 \def\bidip@xfootnote[#1]{%
4681 \begingroup
4682 \csname c@\mpfn\endcsname #1\relax
4683 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4684 \endgroup
4685 \@footnotemark\bidip@xftntext[#1]}
4686
4687
4688 \def\bidip@xLTRfootnote[#1]{%
4689 \begingroup
4690 \csname c@\mpfn\endcsname #1\relax
4691 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4692 \endgroup
4693 \@footnotemark\bidip@xLTRftntext[#1]}
4694
4695
4696 \def\bidip@xRTLfootnote[#1]{%
4697 \begingroup
4698 \csname c@\mpfn\endcsname #1\relax
4699 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4700 \endgroup
4701 \@footnotemark\bidip@xRTLftntext[#1]}
4702
4703 \def\@xfloat #1[#2]{%
4704 \@nodocument
4705 \def \@capttype {#1}%
4706 \def \@fps {#2}%
4707 \@onelevel@sanitize \@fps
4708 \def \reserved@b {!}%
4709 \ifx \reserved@b \@fps
4710 \@fpsadddefault
4711 \else
4712 \ifx \@fps \@empty
4713 \@fpsadddefault
4714 \fi
4715 \fi
4716 \ifhmode

```



```

4717 \@bsphack
4718 \@floatpenalty -\@Mii
4719 \else
4720 \@floatpenalty-\@Miii
4721 \fi
4722 \ifinner
4723 \@parmoderr\@floatpenalty\z@
4724 \else
4725 \@next\@currbox\@freelist
4726 {%
4727 \@tempcnta \sixt@@n
4728 \expandafter \@tfor \expandafter \reserved@a
4729 \expandafter :\expandafter =\@fps
4730 \do
4731 {%
4732 \if \reserved@a h%
4733 \ifodd \@tempcnta
4734 \else
4735 \advance \@tempcnta \@ne
4736 \fi
4737 \fi
4738 \if \reserved@a t%
4739 \@setfpsbit \tw@
4740 \fi
4741 \if \reserved@a b%
4742 \@setfpsbit 4%
4743 \fi
4744 \if \reserved@a p%
4745 \@setfpsbit 8%
4746 \fi
4747 \if \reserved@a !%
4748 \ifnum \@tempcnta>15
4749 \advance\@tempcnta -\sixt@@n\relax
4750 \fi
4751 \fi
4752 }%
4753 \@tempcntb \csname ftype@\@capttype \endcsname
4754 \multiply \@tempcntb \@xxxii
4755 \advance \@tempcnta \@tempcntb
4756 \global \count\@currbox \@tempcnta
4757 }%
4758 \@fltovf
4759 \fi
4760 \global \setbox\@currbox
4761 \color@vbox
4762 \normalcolor
4763 \vbox \bgroup
4764 \let\@footnotetext\@bidi@p@ftntext
4765 \let\@LTRfootnotetext\@bidi@p@LTRftntext
4766 \let\@RTLfootnotetext\@bidi@p@RTLftntext
4767 \let\@xfootnotenext\@bidi@p@xftntext
4768 \let\@xfootnote\@bidi@p@xfootnote
4769 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4770 \let\@xLTRfootnote\@bidi@p@xLTRfootnote

```




```

4771      \let\@xRTLfootnotenext\@xRTLftntext
4772      \let\@xRTLfootnote\@xRTLfootnote
4773      \hsize\columnwidth
4774      \@parboxrestore
4775      \@floatboxreset
4776 }
4777 \def \@endfloatbox{%
4778     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
4779     \@minipagefalse
4780     \outer@nobreak
4781     \egroup                %% end of vbox
4782     \global\@xRTLftntext\expandafter{\expandafter}\the\@xRTLftntext
4783     \color@endbox
4784 }

```

50 File bidimoderncv.cls

```

4785 \NeedsTeXFormat{LaTeX2e}
4786 \ProvidesClass{bidimoderncv}
4787 \newif\if@DEBUG\@DEBUGfalse
4788 \DeclareOption{a4paper}{
4789     \setlength\paperheight{297mm}
4790     \setlength\paperwidth{210mm}}
4791 \DeclareOption{a5paper}{
4792     \setlength\paperheight{210mm}
4793     \setlength\paperwidth{148mm}}
4794 \DeclareOption{b5paper}{
4795     \setlength\paperheight{250mm}
4796     \setlength\paperwidth{176mm}}
4797 \DeclareOption{letterpaper}{
4798     \setlength\paperheight{11in}
4799     \setlength\paperwidth{8.5in}}
4800 \DeclareOption{legalpaper}{
4801     \setlength\paperheight{14in}
4802     \setlength\paperwidth{8.5in}}
4803 \DeclareOption{executivepaper}{
4804     \setlength\paperheight{10.5in}
4805     \setlength\paperwidth{7.25in}}
4806 \DeclareOption{landscape}{
4807     \setlength\@tempdima{\paperheight}
4808     \setlength\paperheight{\paperwidth}
4809     \setlength\paperwidth{\@tempdima}}
4810 \newcommand\@ptsize{}
4811 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
4812 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
4813 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
4814 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
4815 \DeclareOption{final}{\setlength\overfullrule{0pt}}
4816 \newif\if@colour\@colourtrue
4817 \DeclareOption{nocolour}{\@colourfalse}
4818 \ExecuteOptions{a4paper,11pt,colour,final}
4819 \ProcessOptions\relax
4820 \input{size1\@ptsize.clo}
4821 \RequirePackage{color}

```



```

4822 \RequirePackage{graphicx}
4823 \RequirePackage{ifthen}
4824 \RequirePackage{marvosym}
4825 \addtolength{\oddsidemargin}{-54pt}
4826 \addtolength{\textwidth}{109pt}
4827 \addtolength{\topmargin}{-70pt}
4828 \addtolength{\textheight}{122pt}
4829 \addtolength{\marginparsep}{-5pt}
4830 \addtolength{\marginparwidth}{-10pt}
4831 \RequirePackage{url}
4832 \RequirePackage{hyperref}
4833 \hypersetup{%
4834   breaklinks,
4835   baseurl      = http://,%
4836   pdfborder    = 0 0 0,%
4837   pdfpagemode  = UseNone,%
4838   pdfstartpage = 1}
4839 \AtEndOfClass{%
4840   \AtBeginDocument{%
4841     \hypersetup{%
4842       pdfauthor      = \@firstname~\@familyname,%
4843       pdftitle       = \@title,%
4844       pdfsubject     = \@firstname~\@familyname,%
4845       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
4846 \urlstyle{tt}
4847 \RequirePackage{fancyhdr}
4848 \fancypagestyle{plain}{%
4849   \renewcommand{\headrulewidth}{0pt}
4850   \renewcommand{\footrulewidth}{0pt}
4851   \fancyhf{}}
4852 \pagestyle{plain}
4853 \setlength\lineskip{1\p@}
4854 \setlength\normallineskip{1\p@}
4855 \renewcommand\baselinestretch{}
4856 \setlength{\parindent}{0pt}
4857 \setlength{\parskip}{0pt}
4858 \setlength\columnsep{10\p@}
4859 \setlength\columnseprule{0\p@}
4860 \pagestyle{empty}
4861 \pagenumbering{arabic}
4862 \raggedbottom
4863 \onecolumn
4864 \providecommand*\listitemsymbol{\textbullet}
4865 \providecommand*\addresssymbol{}
4866 \providecommand*\mobilesymbol{\Mobilefone}
4867 \providecommand*\phonesymbol{\Telefon}
4868 \providecommand*\faxsymbol{\FAX}
4869 \providecommand*\emailsymbol{\Letter}
4870 \definecolor{firstnamecolour}{rgb}{0,0,0}
4871 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
4872 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
4873 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
4874 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
4875 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}

```



```

4876 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
4877 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
4878 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
4879 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
4880 \providecommand*{\firstnamefont}{}
4881 \providecommand*{\familynamefont}{}
4882 \providecommand*{\titlefont}{}
4883 \providecommand*{\addressfont}{}
4884 \providecommand*{\quotefont}{}
4885 \providecommand*{\sectionfont}{}
4886 \providecommand*{\subsectionfont}{}
4887 \providecommand*{\hintfont}{\small}
4888 \providecommand*{\firstnamestyle}[1]{\{\@firstnamefont\@firstnamecolour#1}}
4889 \providecommand*{\familynamestyle}[1]{\{\@familynamefont\@familynamecolour#1}}
4890 \providecommand*{\titlestyle}[1]{\{\@titlefont\@titlecolour#1}}
4891 \providecommand*{\addresstyle}[1]{\{\@addressfont\@addresscolour#1}}
4892 \providecommand*{\quotestyle}[1]{\{\@quotefont\@quotecolour#1}}
4893 \providecommand*{\sectionstyle}[1]{\{\@sectionfont\@sectiontitlecolour#1}}
4894 \providecommand*{\subsectionstyle}[1]{\{\@subsectionfont\@subsectioncolour#1}}
4895 \providecommand*{\hintstyle}[1]{\{\@hintfont\@hintcolour#1}}
4896 \newcommand*{\cvtheme}[2][{}{
4897   \def\@cvtheme{#2}
4898   \def\@cvthemeoptions{#1}}
4899 \cvtheme{bidi-casual}
4900 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\cvtheme}}
4901 \newcommand*{\resumename}[1]{\def\@resumename{#1}}
4902 \newcommand*{\firstname}[1]{\def\@firstname{#1}}
4903 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
4904 \renewcommand*{\title}[1]{\def\@title{#1}}
4905 \newcommand*{\address}[1]{\def\@address{#1}}
4906 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
4907 \newcommand*{\phone}[1]{\def\@phone{#1}}
4908 \renewcommand*{\fax}[1]{\def\@fax{#1}}
4909 \newcommand*{\email}[1]{\def\@email{#1}}
4910 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
4911 \def\@photowidth{Opt}
4912 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
4913 \newcommand*{\quote}[1]{\def\@quote{#1}}
4914 \newlength{\quotewidth}
4915 \newlength{\hintscolumnwidth}
4916 \newlength{\separatorcolumnwidth}
4917 \setlength{\separatorcolumnwidth}{0.025\textwidth}
4918 \newlength{\maincolumnwidth}
4919 \newlength{\doubleitemmaincolumnwidth}
4920 \newlength{\listitemsymbolwidth}
4921 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
4922 \newlength{\listitemmaincolumnwidth}
4923 \newlength{\listdoubleitemmaincolumnwidth}
4924 \newcommand*{\recomputethemelengths}{}
4925 \newcommand*{\recomputelengths}{%
4926 \setlength{\quotewidth}{0.65\textwidth}%
4927 \setlength{\maincolumnwidth}{\textwidth}%
4928 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
4929 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%

```



```

4930 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
4931 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
4932 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
4933 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
4934 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
4935 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
4936 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
4937 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
4938 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
4939 \renewcommand{\headwidth}{\textwidth}%
4940 \recomputethemelengths}
4941 \setlength{\hintscolumnwidth}{0.15\textwidth}
4942 \recomputelengths
4943 \title{}
4944 \renewcommand*{\maketitle}{}
4945 \newcommand*{\section}[1]{%
4946 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
4947 \phantomsection}%
4948 \addcontentsline{toc}{part}{#1}%
4949 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}%
4950 \hspace{\separatorcolumnwidth}%
4951 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
4952 \newcommand*{\subsection}[1]{%
4953 \cvline[0.45em]{\subsectionstyle{#1}}}
4954 \newcommand*{\cvline}[3][.25em]{%
4955 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}%
4956 \bidi@raggedleft\hintfont{#2} &{#3}%
4957 \end{tabular}}\}[#1]}
4958 \newcommand*{\cvdoubleitem}[4]{%
4959 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
4960 \hfill%
4961 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\%
4962 \newcommand*{\cvlistitem}[2][\listitemsymbol{}]{%
4963 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}
4964 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol{}]{%
4965 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
4966 \hfill%
4967 \ifthenelse{\equal{#3}{}]{%
4968 {}%
4969 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}}
4970 \newcommand*{\cventry}[6]{%
4971 \cvline{#1}{%
4972 {\bfseries#2}%
4973 \ifx#3\else{, {\slshape#3}}\fi%
4974 \ifx#4\else{, #4}\fi%
4975 \ifx#5\else{, #5}\fi%
4976 .%
4977 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
4978 }%
4979 \newcommand*{\cvlanguage}[3]{%
4980 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}%
4981 \newcommand*{\cvcomputer}[4]{%
4982 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
4983 \newcommand*{\link}[2][{}]{%

```



```

4984 \ifthenelse{\equal{#1}{}}%
4985   {\href{#2}{#2}}%
4986   {\href{#2}{#1}}}
4987 \newcommand*\httplink[2][{}]{%
4988   \ifthenelse{\equal{#1}{}}%
4989     {\href{http://#2}{#2}}%
4990     {\href{http://#2}{#1}}}
4991 \newcommand*\emailink[2][{}]{%
4992   \ifthenelse{\equal{#1}{}}%
4993     {\href{mailto:#2}{#2}}%
4994     {\href{mailto:#2}{#1}}}
4995 \newif\if@displaypagenumbers\@displaypagenumberstrue
4996 \newcommand*\nopagenumbers{\@displaypagenumbersfalse}
4997 \AtBeginDocument{%
4998   \if@displaypagenumbers%
4999     \ifundefined{r@lastpage}{-}{%
5000       \ifthenelse{\pageref{lastpage} > 1}{%
5001         \fancypagestyle{plain}{%
5002           \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pag
5003             \pagestyle{plain}}}%
5004       \AtEndDocument{\label{lastpage}}%
5005     }%
5006   \fi}
5007 \setlength{\bibindent}{1.5em}
5008 \newcommand*\bibliographyitemlabel{\includegraphics{bidi-bibitem.pdf}}
5009 \newenvironment{thebibliography}[1]{%
5010   {%
5011     \section{\refname}%
5012     \small%
5013     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5014     \bidi@thebibliography@font@hook%
5015     \begin{list}{\bibliographyitemlabel}%
5016       {%
5017         \setlength{\topsep}{0pt}%
5018         \setlength{\labelwidth}{\hintscolumnwidth}%
5019         \setlength{\labelsep}{\separatorcolumnwidth}%
5020         \leftmargin\labelwidth%
5021         \advance\leftmargin\labelsep%
5022         \openbib@code%
5023         \usecounter{enumiv}%
5024         \let\p@enumiv\@empty%
5025         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5026       \sloppy\clubpenalty4000\widowpenalty4000%
5027     }%
5028   {%
5029     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
5030     \end{list}%
5031   }
5032 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
5033 \let\openbib@code\@empty

```

51 File bidi-perpage.sty

```

5034 \NeedsTeXFormat{LaTeX2e}

```



```

5035 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
5036 \newcount\bidi@page@count
5037 \bidi@page@count\@ne
5038 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
5039   \if@bidi@csundef{bidi@stepcounterhook@@#2}{%
5040     \expandafter\gdef\csname bidi@stepcounterhook@@#2\endcsname{%
5041       }{}%
5042     \if@bidi@csundef{if@bidi@reset@#2@rerun}{%
5043       \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
5044       }{}%
5045     \if@bidi@csundef{bidi@#2@count}{%
5046       \expandafter\newcount\csname bidi@#2@count\endcsname
5047       }{}%
5048     \csname bidi@#2@count\endcsname\z@
5049     \if@bidi@csundef{bidi@previous@page@@#2@count}{%
5050       \expandafter\newcount\csname
5051         bidi@previous@page@@#2@count\endcsname
5052       }{}%
5053     \csname bidi@previous@page@@#2@count\endcsname\z@
5054     \if@bidi@csundef{bidi@reset@#2@perpage}{%
5055       \bidi@AfterEndDocumentCheckLabelsRerun{%
5056         \csname if@bidi@reset@#2@rerun\endcsname
5057         \PackageWarningNoLine{bidi-perpage}{%
5058           Counter `#2' may not have been reset per page.
5059           Rerun to reset counter `#2' per page%
5060         }%
5061       \fi
5062     }%
5063   }{}%
5064   \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
5065     \global\advance\csname bidi@#2@count\endcsname\@ne
5066     \if@files@
5067       \edef\@tempa{%
5068         \write\@auxout{%
5069           \string\bidi@counter@page{#2}%
5070           {\number\csname bidi@#2@count\endcsname}%
5071           {\noexpand\number\noexpand\bidi@page@count}%
5072         }%
5073       }%
5074       \@tempa
5075     \fi
5076   \begingroup\expandafter\expandafter\expandafter\endgroup
5077   \expandafter\ifx\csname bidi@#2@@\number\csname
5078     bidi@#2@count\endcsname\endcsname\relax
5079     \global\csname @bidi@reset@#2@reruntrue\endcsname
5080   \else
5081     \global\csname @bidi@reset@#2@rerunfalse\endcsname
5082     \expandafter\@tempcnta\csname bidi@#2@@\number
5083     \csname bidi@#2@count\endcsname\endcsname\relax
5084     \ifnum\@tempcnta=\csname
5085       bidi@previous@page@@#2@count\endcsname
5086     \else
5087       \global\csname
5088         bidi@previous@page@@#2@count\endcsname\@tempcnta

```



```

5089     \global\csname c@#2\endcsname#1\relax
5090     \fi
5091 \fi
5092 }%
5093 \expandafter\bidigappto\csname
5094   bidi@stepcounterhook@#2\endcsname{%
5095     \csname bidi@reset@#2@perpage\endcsname
5096   }%
5097 }
5098 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@#2#{#3}}
5099 \bidi@AtEndOutputPage{%
5100   \global\advance\bidi@page@count\@ne
5101 }

```

52 File biditools.sty

```

5102 \NeedsTeXFormat{LaTeX2e}
5103 \ProvidesPackage{biditools}[2022/06/15 v2.3 Programming tools for bidi package]
5104 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
5105   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5106   \ifx\@tempa\@tempb \global\let#2#1%
5107   \else
5108     \edef\@tempb{\meaning#2}%
5109     \ifx\@tempa\@tempb
5110       \else
5111         \latexerror{Unable to properly define \string#2; primitive
5112           \noexpand#1no longer primitive}\@eha
5113       \fi
5114     \fi
5115   \endgroup}
5116 \newtoks\@bidi@envbody
5117 \newtoks\@bidi@emptytoks
5118 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5119 \def\bidi@collect@body#1{%
5120   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5121   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
5122   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5123   \begingroup
5124     \expandafter\let\csname\@currentvir\endcsname\bidi@collect@@body
5125     \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
5126     \bidi@process@envbody
5127   }
5128 \def\bidi@push@begins#1\begin#2{%
5129   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
5130 }
5131 \def\bidi@collect@@body#1\end#2{%
5132   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack
5133     \ifx\@empty\begin@bidi@stack
5134       \endgroup
5135       \@checkend{#2}%
5136       \bidi@addto@envbody{#1}%
5137     \else
5138       \bidi@addto@envbody{#1\end{#2}}%
5139     \fi

```



```

5140 \bidi@process@envbody % A little tricky! Note the grouping
5141 }
5142 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}%
5143 \long\def\bidi@collect@long@body#1{%
5144   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5145   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
5146   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5147   \begingroup
5148   \expandafter\let\csname\@currentvir\endcsname\bidi@collect@long@@body
5149   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
5150   \bidi@process@envbody
5151 }
5152 \long\def\bidi@push@long@begins#1\begin#2{%
5153   \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
5154 }
5155 \long\def\bidi@collect@long@@body#1\end#2{%
5156   \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
5157   \ifx\@empty\begin@bidi@stack
5158     \endgroup
5159     \checkend{#2}%
5160     \bidi@addto@long@envbody{#1}%
5161   \else
5162     \bidi@addto@long@envbody{#1\end{#2}}%
5163   \fi
5164   \bidi@process@envbody % A little tricky! Note the grouping
5165 }
5166 \long\def\bidi@new@ifnextchar#1#2#3{%
5167   \let\reserved@d= #1%
5168   \def\reserved@a{#2}\def\reserved@b{#3}%
5169   \futurelet\@let@token\bidi@new@ifnch
5170 }
5171 \def\bidi@new@ifnch{%
5172   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
5173   \reserved@b
5174 }
5175 \def\bidi@matrix@check#1{%
5176   \expandafter\ifx\csname\@currentvir\endcsname#1%
5177   \else\bidi@matrix@error#1%
5178     \expandafter\@gobble
5179   \fi
5180 }
5181 \def\bidi@matrix@error#1{%
5182   \PackageError{biditools}{%
5183     Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
5184   }{%
5185     '\string#1{...}' is old bidi package syntax whose use is
5186     ill-advised in the old versions of bidi package.%
5187   }%
5188 }
5189 \def\@tagsextension{clo}
5190 \def\@definitionfileextension{def}
5191 \def\@texfileextension{tex}
5192 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
5193 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}

```




```

5194 \def\iftexfileloaded{\@ifl@aded\@texfileextension}
5195 \def\eqnewif#1#2{%
5196   \count@\escapechar \escapechar\m@ne
5197   \let#1\iffalse
5198   \let#2\iffalse
5199   \eq@if#1#2\iftrue
5200   \eq@if#1#2\iffalse
5201   \escapechar\count@}
5202 \def\eq@if#1#2#3{%
5203   \expandafter\def\csname\expandafter@gobbletwo\string#1%
5204     \expandafter@gobbletwo\string#3\endcsname
5205     {\let#1#3%
5206     \let#2#3}%
5207   \expandafter\def\csname\expandafter@gobbletwo\string#2%
5208     \expandafter@gobbletwo\string#3\endcsname
5209     {\let#2#3%
5210     \let#1#3}}
5211 \def\noteqnewif#1#2{%
5212   \count@\escapechar \escapechar\m@ne
5213   \let#1\iffalse
5214   \let#2\iffalse
5215   \not@eq@if#1#2\iftrue\iffalse
5216   \escapechar\count@}
5217 \def\not@eq@if#1#2#3#4{%
5218   \expandafter\def\csname\expandafter@gobbletwo\string#1%
5219     \expandafter@gobbletwo\string#3\endcsname
5220     {\let#1#3%
5221     \let#2#4}%
5222   \expandafter\def\csname\expandafter@gobbletwo\string#1%
5223     \expandafter@gobbletwo\string#4\endcsname
5224     {\let#1#4%
5225     \let#2#3}%
5226   \expandafter\def\csname\expandafter@gobbletwo\string#2%
5227     \expandafter@gobbletwo\string#3\endcsname
5228     {\let#2#3%
5229     \let#1#4}%
5230   \expandafter\def\csname\expandafter@gobbletwo\string#2%
5231     \expandafter@gobbletwo\string#4\endcsname
5232     {\let#2#4%
5233     \let#1#3}}
5234 \newcommand*\SetBoolean[2]{%
5235   \lowercase{\def\@tempa{#2}}%
5236   \@ifundefined{@tempwa\@tempa}%
5237   {\PackageError{biditools}%
5238     {You can only set a boolean to `true' or `false'}\@ehc}%
5239   {\@ifundefined{#1\@tempa}%
5240     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5241     {\csname#1\@tempa\endcsname}}}
5242 \newcommand*\GlobalSetBoolean[2]{%
5243   \lowercase{\def\@tempa{#2}}%
5244   \@ifundefined{@tempwa\@tempa}%
5245   {\PackageError{biditools}%
5246     {You can only set a boolean to `true' or `false'}\@ehc}%
5247   {\@ifundefined{#1\@tempa}%

```



```

5248     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5249     {\global\csname#1\@tempa\endcsname}}
5250 \newcommand*{\SetatBoolean}[2]{%
5251   \lowercase{\def\@tempa{#2}}%
5252   \@ifundefined{@tempa\@tempa}%
5253   {\PackageError{biditools}%
5254     {You can only set a boolean to `true' or `false'}\@ehc}%
5255   {\@ifundefined{@#1\@tempa}%
5256     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5257     {\csname @#1\@tempa\endcsname}}}
5258 \newcommand*{\GlobalSetatBoolean}[2]{%
5259   \lowercase{\def\@tempa{#2}}%
5260   \@ifundefined{@tempa\@tempa}%
5261   {\PackageError{biditools}%
5262     {You can only set a boolean to `true' or `false'}\@ehc}%
5263   {\@ifundefined{@#1\@tempa}%
5264     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5265     {\global\csname @#1\@tempa\endcsname}}}
5266 \def\@bidi@removefromreset#1#2{%
5267   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
5268   \def\@elt##1{%
5269     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
5270     \else
5271       \noexpand\@elt{##1}%
5272     \fi}%
5273   \expandafter\xdef\csname cl@#2\endcsname{%
5274     \csname cl@#2\endcsname}}
5275 \newcommand*{\ifRtoL}{%
5276   \ifRTL
5277     \expandafter\@firstoftwo
5278   \else
5279     \expandafter\@secondoftwo
5280   \fi}
5281 \newcommand*{\ifLtoR}{%
5282   \ifRTL
5283     \expandafter\@secondoftwo
5284   \else
5285     \expandafter\@firstoftwo
5286   \fi}
5287 \newcommand*{\ifRtoLtable}{%
5288   \ifRTLtab
5289     \expandafter\@firstoftwo
5290   \else
5291     \expandafter\@secondoftwo
5292   \fi}
5293 \newcommand*{\ifLtoRtable}{%
5294   \ifRTLtab
5295     \expandafter\@secondoftwo
5296   \else
5297     \expandafter\@firstoftwo
5298   \fi}
5299 \newcommand*{\ifRtoLhboxconstruct}{%
5300   \if@hboxRconstruct
5301     \expandafter\@firstoftwo

```



```

5302 \else
5303   \expandafter\@secondoftwo
5304 \fi}
5305 \newcommand*{\ifLtoRhboxconstruct}{%
5306   \if@hboxRconstruct
5307     \expandafter\@secondoftwo
5308   \else
5309     \expandafter\@firstoftwo
5310   \fi}
5311 \newcommand*{\iflatin}{%
5312   \if@nonlatin
5313     \expandafter\@secondoftwo
5314   \else
5315     \expandafter\@firstoftwo
5316   \fi}
5317 \newcommand*{\ifnonlatin}{%
5318   \if@nonlatin
5319     \expandafter\@firstoftwo
5320   \else
5321     \expandafter\@secondoftwo
5322   \fi}
5323
5324 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
5325   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
5326
5327 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
5328   \dimexpr #1*65536/\dimexpr 1pt\relax}
5329
5330 \newcommand*{\if@bidi@csdef}[1]{%
5331   \ifcsname#1\endcsname
5332     \expandafter\@firstoftwo
5333   \else
5334     \expandafter\@secondoftwo
5335   \fi}
5336 \newcommand*{\if@bidi@csundef}[1]{%
5337   \ifcsname#1\endcsname
5338     \expandafter\ifx\csname#1\endcsname\relax
5339       \expandafter\expandafter
5340       \expandafter\@firstoftwo
5341     \else
5342       \expandafter\expandafter
5343       \expandafter\@secondoftwo
5344     \fi
5345   \else
5346     \expandafter\@firstoftwo
5347   \fi}
5348 \newcommand{\if@bidi@def}[1]{%
5349   \ifdefined#1%
5350     \expandafter\@firstoftwo
5351   \else
5352     \expandafter\@secondoftwo
5353   \fi}
5354 \newcommand{\if@bidi@undef}[1]{%
5355   \ifdefined#1%

```



```

5356 \ifx#1\relax
5357 \expandafter\expandafter
5358 \expandafter\@firstoftwo
5359 \else
5360 \expandafter\expandafter
5361 \expandafter\@secondoftwo
5362 \fi
5363 \else
5364 \expandafter\@firstoftwo
5365 \fi}
5366 \newcommand{\if@bidi@blank}[1]{% from url.sty
5367 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
5368 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
5369 \newcommand{\bidi@notblank}[1]{%
5370 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
5371 \newcommand{\if@bidi@defmacro}{%
5372 \long\edef\if@bidi@defmacro#1{%
5373 \noexpand\expandafter\noexpand\bidi@ifdefmacro
5374 \noexpand\meaning#1\detokenize{macro}:&}
5375 \edef\bidi@ifdefmacro{%
5376 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
5377 \bidi@ifdefmacro{\bidi@notblank{#2}}
5378 \newcommand*{\if@bidi@csmacro}[1]{%
5379 \if@bidi@csdef{#1}
5380 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
5381 {\@secondoftwo}}
5382 \newcommand{\if@bidi@defprimitive}[1]{%
5383 \ifprimitive#1%
5384 \expandafter\@firstoftwo
5385 \else
5386 \expandafter\@secondoftwo
5387 \fi}
5388 \newcommand{\if@bidi@csprimitive}[1]{%
5389 \begingroup\expandafter\expandafter\expandafter\endgroup%
5390 \expandafter\ifprimitive\csname#1\endcsname%
5391 \expandafter\@firstoftwo
5392 \else
5393 \expandafter\@secondoftwo
5394 \fi}
5395 \newcommand*{\bidi@csdefcs}[2]{%
5396 \expandafter\@ifdefinable \csname#1\endcsname{%
5397 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
5398 \newcommand*{\bidi@csletcs}[2]{%
5399 \expandafter\@ifdefinable \csname#1\endcsname{%
5400 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
5401 \newcommand*{\bidi@cslet}[2]{%
5402 \expandafter\@ifdefinable \csname#1\endcsname{%
5403 \expandafter\let\csname#1\endcsname#2}}
5404 \newcommand{\bidi@namelongdef}[1]{%
5405 \long\expandafter\def\csname #1\endcsname}
5406 \newcommand{\bidi@namelonggdef}[1]{%
5407 \long\expandafter\gdef\csname #1\endcsname}
5408 \newcommand{\bidi@namelongedef}[1]{%
5409 \long\expandafter\edef\csname #1\endcsname}

```



```

5410 \newcommand{\bidi@namelongxdef}[1]{%
5411   \long\expandafter\xdef\csname #1\endcsname}
5412 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
5413 \def\bidi@ensure@new@command#1{%
5414   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
5415   \expandafter\if\bidi@csundef\@gtempa
5416     {\new@command#1}{\relax%
5417     \let\@ifdefinable\@rc@ifdefinable%
5418     \new@command#1}}
5419 \def\bidi@ensure@newlength#1{\if\bidi@undef#1{\newskip#1}{}}
5420
5421 \protected\def\bidi@error{\PackageError{bidi}}
5422 \protected\def\bidi@warning{\PackageWarning{bidi}}
5423 \protected\def\bidi@info{\PackageInfo{bidi}}
5424
5425 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@@#2@#3}{#4}}
5426
5427 \newcount\bidi@poscount
5428
5429 \newcommand*{\WriteStartXPostoaux}{%
5430   \global\advance\bidi@poscount\@ne
5431   \edef\@tempa{%
5432     \write\@auxout{%
5433       \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx}
5434     }%
5435   }%
5436   \ifvmode
5437     \leavevmode
5438   \fi
5439   \if@RTL
5440     \if@filesw
5441       \@tempa
5442     \fi
5443     \pdfsavepos
5444   \else
5445     \pdfsavepos
5446   \if@filesw
5447     \@tempa
5448   \fi
5449   \fi
5450   \if\bidi@csundef\bidi@xpos@@start@\number\bidi@poscount}{%
5451     \PackageWarningNoLine{biditytools}{%
5452       The start x position '\number\bidi@poscount' is not known yet.
5453       Rerun to get this x position%
5454     }%
5455   }{}%
5456 }
5457
5458 \newcommand*{\WriteEndXPostoaux}{%
5459   \edef\@tempa{%
5460     \write\@auxout{%
5461       \string\bidi@pos{x}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx}
5462     }%
5463   }%

```



```

5464 \if@RTL
5465   \if@filesw
5466     \@tempa
5467   \fi
5468   \pdfsavepos
5469 \else
5470   \pdfsavepos
5471 \if@filesw
5472   \@tempa
5473 \fi
5474 \fi
5475 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
5476   \PackageWarningNoLine{biditools}{%
5477     The end x position ``\number\bidi@poscount' is not known yet.
5478     Rerun to get this x position%
5479   }%
5480 }{}%
5481 }
5482
5483 \newcommand*{\WriteStartYPostoaux}{%
5484   \global\advance\bidi@poscount\@ne
5485   \edef\@tempa{%
5486     \write\@auxout{%
5487       \string\bidi@pos{y}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflasty
5488     }%
5489   }%
5490   \ifvmode
5491     \leavevmode
5492   \fi
5493 \if@RTL
5494   \if@filesw
5495     \@tempa
5496   \fi
5497   \pdfsavepos
5498 \else
5499   \pdfsavepos
5500 \if@filesw
5501   \@tempa
5502 \fi
5503 \fi
5504 \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
5505   \PackageWarningNoLine{biditools}{%
5506     The start y position ``\number\bidi@poscount' is not known yet.
5507     Rerun to get this y position%
5508   }%
5509 }{}%
5510 }
5511
5512 \newcommand*{\WriteEndYPostoaux}{%
5513   \edef\@tempa{%
5514     \write\@auxout{%
5515       \string\bidi@pos{y}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflasty
5516     }%
5517   }%

```



```

5518 \if@RTL
5519   \if@filesw
5520     \@tempa
5521   \fi
5522   \pdfsavepos
5523 \else
5524   \pdfsavepos
5525 \if@filesw
5526   \@tempa
5527 \fi
5528 \fi
5529 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
5530   \PackageWarningNoLine{biditools}{%
5531     The end y position `\'number\bidi@poscount' is not known yet.
5532     Rerun to get this y position%
5533   }%
5534 }{}%
5535 }
5536
5537 \newcommand*{\WriteStartXYPostoaux}{%
5538   \global\advance\bidi@poscount\@ne
5539   \edef\@tempa{%
5540     \write\@auxout{%
5541       \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx}
5542     }%
5543     \write\@auxout{%
5544       \string\bidi@pos{y}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflasty}
5545     }%
5546   }%
5547   \ifvmode
5548     \leavevmode
5549   \fi
5550 \if@RTL
5551   \if@filesw
5552     \@tempa
5553   \fi
5554   \pdfsavepos
5555 \else
5556   \pdfsavepos
5557 \if@filesw
5558   \@tempa
5559 \fi
5560 \fi
5561 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
5562   \PackageWarningNoLine{biditools}{%
5563     The start x position `\'number\bidi@poscount' is not known yet.
5564     Rerun to get this x position%
5565   }%
5566 }{}%
5567 \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
5568   \PackageWarningNoLine{biditools}{%
5569     The start y position `\'number\bidi@poscount' is not known yet.
5570     Rerun to get this y position%
5571   }%

```



```

5572 }{}%
5573 }
5574
5575 \newcommand*{\WriteEndXYPostoaux}{%
5576     \edef\@tempa{%
5577         \write\@auxout{%
5578             \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx}
5579         }%
5580         \write\@auxout{%
5581             \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty}
5582         }%
5583     }%
5584 \if@RTL
5585     \if@filesw
5586         \@tempa
5587 \fi
5588 \pdfsavepos
5589 \else
5590 \pdfsavepos
5591 \if@filesw
5592     \@tempa
5593 \fi
5594 \fi
5595 \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
5596     \PackageWarningNoLine{biditools}{%
5597         The end x position ``\number\bidiposcount' is not known yet.
5598         Rerun to get this x position%
5599     }%
5600 }{}%
5601 \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{%
5602     \PackageWarningNoLine{biditools}{%
5603         The end y position ``\number\bidiposcount' is not known yet.
5604         Rerun to get this y position%
5605     }%
5606 }{}%
5607 }
5608
5609 \newcommand*{\currentposxwidth}{%
5610     \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{\z@}
5611     {%
5612         \ifnum\csname bidi@xpos@@start@\number\bidiposcount
5613         \endcsname < \csname bidi@xpos@@end@\number\bidiposcount
5614         \endcsname
5615         \dimexpr \csname bidi@xpos@@end@\number\bidiposcount
5616         \endcsname sp - \csname bidi@xpos@@start@\number\bidiposcount
5617         \endcsname sp\relax
5618     \else
5619         \dimexpr \csname bidi@xpos@@start@\number\bidiposcount
5620         \endcsname sp - \csname bidi@xpos@@end@\number\bidiposcount
5621         \endcsname sp\relax
5622     \fi
5623 }%
5624 }
5625

```




```

5626 \newcommand*{\currentposyheight}{%
5627   \if@bidi@csundef{\bidi@ypos@@end@\number\bidi@poscount}{\z@}
5628   {%
5629     \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
5630     \endcsname sp - \csname   bidi@ypos@@end@\number\bidi@poscount
5631     \endcsname sp\relax
5632   }%
5633 }
5634
5635
5636
5637 \newcommand*{\setbaselineskip}[1]{%
5638   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
5639   \selectfont
5640 }
5641
5642
5643 \newcommand*{\bidi@newrobustcmd}{%
5644 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
5645
5646 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
5647
5648 \def\bidi@newcommand#1[#2]{%
5649   \@ifnextchar[%]
5650   {\bidi@xargdef#1[#2]}
5651   {\ifx\l@ngrel@x\relax
5652     \let\l@ngrel@x\protected
5653     \else
5654       \protected\def\l@ngrel@x{\protected\long}%
5655     \fi
5656     \@argdef#1[#2]}}
5657
5658 \long\def\bidi@xargdef#1[#2][#3]#4{%
5659   \@ifdefinable#1{%
5660     \expandafter\protected
5661     \expandafter\def
5662     \expandafter#1%
5663     \expandafter{%
5664       \expandafter\@testopt
5665       \csname\string#1\endcsname{#3}}%
5666     \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
5667
5668 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
5669
5670 \def\bidi@renew@command#1{%
5671   \if@bidi@undef{#1}
5672     {\bidi@error{\string#1 undefined}\@ehc}
5673     {%
5674       \let\@ifdefinable\@rc@ifdefinable
5675       \bidi@new@command#1}
5676
5677
5678
5679 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}

```



```

5680
5681 \def\bidiprovide@command#1{%
5682   \if@bidi@undef{#1}
5683     {\def\reserved@a{\bidi@new@command#1}}
5684     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
5685   \reserved@a}
5686
5687 \newcommand*{\bidi@csuse}[1]{%
5688   \ifcsname#1\endcsname
5689     \csname#1\expandafter\endcsname
5690   \fi}
5691
5692 \newcommand{\bidi@expandonce}[1]{%
5693   \unexpanded\expandafter{#1}}
5694
5695 \def\bidi@protected{%
5696   \let\@@protect\protect
5697   \let\protect\@unexpandable@protect
5698   \afterassignment\restore@protect}
5699
5700 \bidi@newrobustcmd{\bidi@appto}[2]{%
5701   \if@bidi@undef{#1}
5702     {\edef#1{\unexpanded{#2}}}
5703     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5704 \bidi@newrobustcmd{\bidi@eappto}[2]{%
5705   \if@bidi@undef{#1}
5706     {\edef#1{#2}}
5707     {\edef#1{\bidi@expandonce#1#2}}}
5708 \bidi@newrobustcmd{\bidi@gappto}[2]{%
5709   \if@bidi@undef{#1}
5710     {\xdef#1{\unexpanded{#2}}}
5711     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5712 \bidi@newrobustcmd{\bidi@xappto}[2]{%
5713   \if@bidi@undef{#1}
5714     {\xdef#1{#2}}
5715     {\xdef#1{\bidi@expandonce#1#2}}}
5716
5717 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
5718 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
5719
5720
5721
5722 \bidi@newrobustcmd{\bidi@preto}[2]{%
5723   \if@bidi@undef{#1}
5724     {\edef#1{\unexpanded{#2}}}
5725     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5726 \bidi@newrobustcmd{\bidi@epreto}[2]{%
5727   \if@bidi@undef{#1}
5728     {\edef#1{#2}}
5729     {\edef#1{#2\bidi@expandonce#1}}}
5730 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
5731   \if@bidi@undef{#1}
5732     {\xdef#1{\unexpanded{#2}}}
5733     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}

```



```

5734 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
5735   \if@bidi@undef{#1}
5736     {\xdef#1{#2}}
5737     {\xdef#1{#2\bidi@expandonce#1}}}
5738
5739 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
5740 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
5741
5742
5743
5744 \bidi@newrobustcmd*{\bidi@cspappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
5745 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
5746 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
5747 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
5748 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
5749 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
5750
5751
5752
5753 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
5754 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
5755 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
5756 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
5757 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
5758 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
5759
5760
5761
5762 \bidi@newrobustcmd{\if@bidi@patchable}{%
5763   \bidi@dbg@trce\if@bidi@patchable
5764   \begingroup
5765   \@makeother\%#
5766   \@ifstar\bidi@ifpatchablei\bidi@ifpatchable}
5767
5768 \long\def\bidi@ifpatchable#1#2{%
5769   \endgroup
5770   \bidi@dbg@init#1%
5771   \if@bidi@undef{#1}
5772     {\bidi@dbg@fail{def}\@secondoftwo}
5773     {\bidi@dbg@info{def}%
5774       \if@bidi@defmacro{#1}
5775         {\bidi@dbg@info{mac}%
5776           \bidi@ifscanable{#1}
5777             {\bidi@ifhashcheck{#2}
5778               {\bidi@dbg@info{tok}%
5779                 \bidi@ifpattern#1{#2}
5780                   {\bidi@dbg@info{pat}%
5781                     \bidi@dbg@info{pos}\@firstoftwo}
5782                     {\bidi@dbg@fail{pat}\@secondoftwo}}
5783                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
5784                   {\bidi@dbg@fail{tok}\@secondoftwo}}
5785                   {\bidi@dbg@fail{mac}\@secondoftwo}}}
5786
5787 \long\def\bidi@ifpatchablei#1{%

```



```

5788 \endgroup
5789 \bidi@dbg@init#1%
5790 \if@bidi@undef{#1}
5791   {\bidi@dbg@fail{def}\@secondoftwo}
5792   {\bidi@dbg@info{def}%
5793     \if@bidi@defmacro{#1}
5794       {\bidi@dbg@info{mac}%
5795         \if@bidi@defparam{#1}
5796           {\bidi@dbg@info{prm}%
5797             \bidi@ifscanable{#1}
5798               {\bidi@dbg@info{tok}%
5799                 \bidi@dbg@info{pos}\@firstoftwo}
5800               {\bidi@dbg@fail{tok}\@secondoftwo}}
5801           {\bidi@dbg@info{prl}%
5802             \if@bidi@defprotected{#1}
5803               {\bidi@dbg@info{pro}}
5804               {}%
5805             \bidi@dbg@info{pos}\@firstoftwo}}
5806           {\bidi@dbg@fail{mac}\@secondoftwo}}}
5807
5808 \bidi@newrobustcmd*{\bidi@patchcmd}{%
5809   \bidi@dbg@trce\bidi@patchcmd
5810   \begingroup
5811   \@makeother\%
5812   \bidi@@patchcmd}
5813
5814 \newcommand{\bidi@patchcmd}[4][#####1]{%
5815   \bidi@ifpatchable#2{#3}
5816   {\bidi@dbg@succ{ret}%
5817     \begingroup
5818     \edef\bidi@resrvda{%
5819       \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
5820         #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
5821       \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
5822         #####1\detokenize{#4}####2}%
5823       \edef\noexpand\bidi@resrvda{%
5824         \noexpand\bidi@resrvda\meaning#2&}}%
5825     \bidi@resrvda
5826     \bidi@patchcmd@scantoks\bidi@resrvda
5827     \let#2\bidi@resrvda
5828     \bidi@undef\bidi@resrvda
5829     \@firstoftwo}
5830   {\@secondoftwo}}
5831
5832 \def\bidi@patchcmd@scantoks#1{%
5833   \edef\bidi@resrvda{\endgroup
5834     \unexpanded{\makeatletter\scantokens}{#1}%
5835     \catcode\number`\@=\the\catcode`\@ \relax}%
5836   \bidi@resrvda}
5837
5838 \newcommand\bidi@isloaded[2][]{
5839   \expandafter\ifx\csname if@bidi@#2loaded@ \endcsname \relax
5840     \expandafter\newif\csname if@bidi@#2loaded@ \endcsname
5841   \fi

```



```

5842 \@ifpackageloaded{#2}
5843   {\csname @bidi@#2loaded@true\endcsname #1}
5844   {\csname @bidi@#2loaded@false\endcsname}}
5845
5846 \protected\def\bidi@ifscanable#1{%
5847   \begingroup
5848   \edef\bidi@resrvda{%
5849     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
5850       ####1\def\string\bidi@resrvda####2{####3}}}%
5851   \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
5852   \bidi@resrvda
5853   \makeatletter
5854   \scantokens\expandafter{\bidi@resrvda}%
5855   \expandafter\endgroup\ifx#1\bidi@resrvda
5856     \expandafter\@firstoftwo
5857   \else
5858     \expandafter\@secondoftwo
5859   \fi}
5860
5861
5862 \protected\long\def\bidi@ifhashcheck#1{%
5863   \begingroup
5864   \edef\bidi@resrvda{\detokenize{#1}}%
5865   \expandafter\endgroup
5866   \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
5867
5868 \edef\bidi@ifhashcheck@i#1&{%
5869   \noexpand\expandafter
5870   \noexpand\bidi@ifhashcheck@ii
5871   \noexpand\strip@prefix#1\string#\string#&}
5872
5873 \edef\bidi@ifhashcheck@ii{%
5874   \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
5875 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
5876
5877
5878 \protected\long\def\bidi@ifpattern#1#2{%
5879   \begingroup
5880   \edef\bidi@resrvda{%
5881     \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
5882       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
5883   \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
5884     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
5885   \noexpand\bidi@resrvda}
5886   \bidi@resrvda\@secondoftwo\@firstoftwo}
5887
5888
5889 \newcommand{\if@bidi@defparam}{%
5890 \long\edef\if@bidi@defparam#1{%
5891   \noexpand\expandafter\noexpand\bidi@ifdefparam
5892   \noexpand\meaning#1\detokenize{macro}:->&}
5893 \edef\bidi@ifdefparam{%
5894   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
5895 \bidi@ifdefparam{\bidi@notblank{#2}}

```



```

5896
5897
5898 \newcommand{\if@bidi@defprotected}{}
5899 \long\edef\if@bidi@defprotected#1{%
5900   \noexpand\expandafter\noexpand\bidi@ifdefprotected
5901   \noexpand\meaning#1\string\protected&}
5902 \edef\bidi@ifdefprotected{%
5903   \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
5904 \bidi@ifdefprotected{\bidi@notblank{#2}}
5905
5906
5907 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
5908 \bidi@newrobustcmd{\bidi@csundef}[1]{%
5909   \expandafter\let\csname #1\endcsname\bidi@undefined
5910 }
5911
5912 \let\bidi@dbg@trce@gobble
5913 \let\bidi@dbg@init@gobble
5914 \let\bidi@dbg@info@gobble
5915 \let\bidi@dbg@succ@gobble
5916 \let\bidi@dbg@fail@gobble
5917
5918
5919
5920 \bidi@newrobustcmd*{\bidi@apptocmd}{%
5921   \bidi@dbg@trce\bidi@apptocmd
5922   \begingroup
5923   \@makeother\%
5924   \bidi@hooktocmd\bidi@append}
5925
5926
5927
5928 \bidi@newrobustcmd*{\bidi@pretocmd}{%
5929   \bidi@dbg@trce\bidi@pretocmd
5930   \begingroup
5931   \@makeother\%
5932   \bidi@hooktocmd\bidi@prepend}
5933
5934 \long\def\bidi@hooktocmd#1#2#3{%
5935   \endgroup
5936   \bidi@dbg@init#2%
5937   \if@bidi@undef{#2}
5938     {\bidi@dbg@fail{def}\@secondoftwo}
5939     {\bidi@dbg@info{def}%
5940       \if@bidi@defmacro{#2}
5941         {\bidi@dbg@info{mac}%
5942           \if@bidi@defparam{#2}
5943             {\bidi@dbg@info{prm}%
5944               \bidi@ifscanable{#2}
5945                 {\bidi@ifhashcheck{#3}
5946                   {\bidi@dbg@info{tok}%
5947                     \bidi@dbg@succ{ret}%
5948                     \bidi@hooktocmd@i#1#2{#3}%
5949                     \@firstoftwo}

```



```

5950         {\bidi@dbg@fail{hsh}\@secondoftwo}}
5951         {\bidi@dbg@fail{tok}\@secondoftwo}}
5952     {\bidi@dbg@info{prl}%
5953      \if@bidi@defprotected{#2}
5954       {\bidi@dbg@info{pro}%
5955        \bidi@dbg@succ{red}%
5956         \protected}
5957       {\bidi@dbg@succ{red}}}%
5958     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
5959     \@firstoftwo}}
5960     {\bidi@dbg@fail{mac}\@secondoftwo}}}}
5961
5962 \long\def\bidi@hooktocmd@i#1#2#3{%
5963   \begingroup
5964   \edef\bidi@resrvda{%
5965     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
5966       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
5967     \edef\noexpand\bidi@resrvda{%
5968       \noexpand\bidi@resrvda\meaning#2&}}}%
5969   \bidi@resrvda
5970   \bidi@patchcmd@scantoks\bidi@resrvda
5971   \let#2\bidi@resrvda
5972   \bidi@undef\bidi@resrvda}
5973
5974 \long\def\bidi@append#1#2{#1#2}
5975 \long\def\bidi@prepend#1#2{#2#1}
5976
5977 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
5978 %\newcommand*{\bidi@endpreamblehook}{}
5979
5980 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
5981
5982 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout}
5983 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
5984
5985 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
5986 \newcommand*{\bidi@beforeheaderhook}{}
5987
5988 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutput}
5989 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
5990
5991 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpa}
5992 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
5993
5994 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
5995 \newcommand*{\bidi@beforefooterhook}{}
5996
5997 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
5998 \newcommand*{\bidi@afterfooterhook}{}
5999
6000
6001 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipoutho}
6002 \newcommand*{\bidi@afteroutputpageshipouthook}{}
6003

```



```

6004 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
6005 \newcommand*{\bidi@atendoutputpagehook}{\bidi@atendoutputpagehook}{}
6006
6007 %\bidi@preto\document{%
6008 % \endgroup
6009 % \let\bidi@AtEndPreamble\@firstofone
6010 % \bidi@endpreamblehook
6011 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
6012 % \bidi@undef\bidi@endpreamblehook
6013 % \begingroup}
6014
6015 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
6016 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
6017
6018 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
6019 %\newcommand*{\bidi@afterendpreamblehook}{\bidi@afterendpreamblehook}{}
6020
6021 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}}%
6022
6023 %\bidi@appto\document{%
6024 % \let\bidi@AfterEndPreamble\@firstofone
6025 % \bidi@afterendpreamblehook
6026 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
6027 % \bidi@undef\bidi@afterendpreamblehook
6028 % \ignorespaces}
6029
6030 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocumentchecklabelsrerunhook}
6031 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{\bidi@afterenddocumentchecklabelsrerunhook}{}
6032
6033 \bidi@patchcmd\enddocument
6034 {\fi}
6035 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
6036 \bidi@afterenddocumentchecklabelsrerunhook
6037 \fi}
6038 {}
6039 {\PackageWarning{biditools}{Patching '\string\enddocument' failed}}
6040
6041 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
6042
6043 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
6044 \newcommand*{\bidi@afterlastshipouthook}{\bidi@afterlastshipouthook}{}
6045
6046 \bidi@patchcmd\enddocument
6047 {\clearpage}
6048 {\clearpage
6049 \let\bidi@AfterLastShipout\@firstofone
6050 \bidi@afterlastshipouthook}
6051 {}
6052 {\let\bidi@clearpage\clearpage
6053 \def\clearpage{%
6054 \bidi@clearpage
6055 \let\bidi@AfterLastShipout\@firstofone
6056 \bidi@afterlastshipouthook}}
6057

```




```

6058 %\bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
6059 %\newcommand*{\bidi@afterenddocumenthook}{%
6060
6061 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}}%
6062
6063 %\bidi@patchcmd\enddocument
6064 % {\deadcycles}
6065 % {\let\bidi@AfterEndDocument\@firstofone
6066 % \bidi@afterenddocumenthook
6067 % \deadcycles}
6068 % {}
6069 % {\let\bidi@@end\@@end
6070 % \def\@@end{%
6071 % \let\bidi@AfterEndDocument\@firstofone
6072 % \bidi@afterenddocumenthook
6073 % \bidi@@end}}
6074
6075 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
6076 \bidi@csgappto{\bidi@begin@#1@hook}}
6077
6078 % Patch \begin<space> and \end<space> in newer LaTeX releases
6079 % \begin and \end in older ones.
6080 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6081 {\csname #1\endcsname}
6082 {\bidi@csuse{\bidi@begin@#1@hook}%
6083 \csname #1\endcsname}
6084 {}
6085 {\bidi@warning{%
6086 Patching '\string\begin' failed!\MessageBreak
6087 '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
6088
6089
6090
6091 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
6092 \bidi@csgappto{\bidi@end@#1@hook}}
6093
6094 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6095 {\csname end#1\endcsname}
6096 {\bidi@csuse{\bidi@end@#1@hook}%
6097 \csname end#1\endcsname}
6098 {}
6099 {\bidi@warning{%
6100 Patching '\string\end' failed!\MessageBreak
6101 '\string\bidi@AtEndEnvironment' will not work\@gobble}}
6102
6103
6104
6105 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
6106 \bidi@csgappto{\bidi@beforebegin@#1@hook}}
6107
6108 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6109 {\bidi@csuse{\bidi@beforebegin@#1@hook}}
6110 {}
6111 {\bidi@warning{%

```



```

6112     Patching '\string\begin' failed!\MessageBreak
6113     '\string\bidibeforebeginenvironment' will not work\@gobble}}
6114
6115 \bidinewrobustcmd{\bidi@afterendenvironment}[1]{%
6116   \bidi@csgappto{\bidi@afterend@#1@hook}}
6117
6118 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6119   {\if@ignore}
6120   {\bidi@csuse{\bidi@afterend@#1@hook}%
6121     \if@ignore}
6122   {}
6123   {\bidi@warning{%
6124     Patching '\string\end' failed!\MessageBreak
6125     '\string\bidiafterendenvironment' will not work\@gobble}}
6126
6127 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
6128 \def\bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
6129 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
6130 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
6131
6132 % From David Carlisle:
6133 % The \@stpelt redefinition below belongs to Heiko Oberdiek
6134 % See also https://github.com/ho-tex/oberdiek/issues/26
6135
6136 \let\@bidi@stepcounter\stepcounter
6137 \let\@bidi@@stpelt\@stpelt
6138
6139 \def\@stpelt#1{%
6140   \ifcsname bidi@reset@#1@perpage\endcsname
6141     \begingroup
6142       \let\stepcounter\@bidi@stepcounter
6143       \@bidi@@stpelt{#1}%
6144     \endgroup
6145     \expandafter\@gobbletwo
6146   \fi
6147   \@bidi@@stpelt{#1}%
6148 }
6149
6150 \bidi@pretocmd\stepcounter
6151   {%
6152     \if@bidi@csundef{\bidi@stepcounterhook@#1}{%
6153       \csname bidi@stepcounterhook@#1\endcsname
6154     }%
6155   }%
6156   {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
6157
6158 \chardef\bidi@backslash`\\
6159 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
6160
6161 % anonymous control sequences
6162 \newcount\bidi@tempcountb
6163 \newtoks\bidi@temptoksa
6164 \newtoks\bidi@temptoksb
6165

```



```

6166 % Catcode (re)storing
6167 %
6168 \def\bidi@storecatcode#1%
6169   {\escapechar\m@ne
6170    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
6171    {\catcode`\string#1=
6172     \the\catcode\expandafter`\string#1}%
6173    \catcode\expandafter`\string#1=12\relax
6174    \escapechar`\\relax}
6175 \def\bidi@restorecatcode#1%
6176   {\escapechar\m@ne
6177    \csname bidi@restorecatcode\string#1\endcsname
6178    \escapechar`\\relax}
6179
6180 % Construct a control sequence inside \edef
6181 %
6182 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
6183
6184 % Construct a control sequence out of #2, and give it to #1
6185 %
6186 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
6187
6188 % Pick an escapecharacter
6189 % this presumes that its argument is a character.
6190 %
6191 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
6192
6193 % Equality of strings.
6194 % the fast approach: does not work in expansion-only environment.
6195 %
6196 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
6197   \ifx\bidi@eqs@a\bidi@eqs@b}
6198
6199 % Test by expansion only
6200 %
6201 \def\bidi@EqualStringX#1#2{00\fi
6202   \csname if\@bidi@EqualStringX#1&#2&\endcsname}
6203 \def\@bidi@EqualStringX#1#2$#3#4${\ifx#1#3%
6204   \ifx#1&true\else\bidi@hop@ES\@bidi@EqualStringX#2$#4$\fi
6205   \else false\fi}
6206 \def\bidi@hop@ES#1\fi#2\fi{\fi\fi#1}
6207
6208 % Lexicographic ordering
6209 % note the use of \def
6210 % also note the characters 0,127,255 that are used,
6211 % these are not supposed to appear in the strings
6212 %
6213 {\catcode0=12 \catcode255=12 \catcode127=12
6214 \gdef\bidi@StringBeforeNC#1#2{00\fi
6215   \bidi@CharsBefore#1^^@^^?#2^^ff^^?}
6216 \gdef\bidi@CharsBeforeNC#1#2^^?#3#4^^?{%
6217   \ifcat#1\relax\def\bidi@next{\bidi@CharsBefore#2^^@^^?#3#4^^ff^^?}%
6218   \else\ifcat#3\relax\def\bidi@next{\bidi@CharsBefore#1#2^^@^^?#4^^ff^^?}%
6219   \else\ifnum\lccode`#1<\lccode`#3

```



```

6220         \def\bidinext{\csname iftrue\endcsname}%
6221         \else\ifnum\lccode`#1>\lccode`#3
6222             \def\bidinext{\csname iffalse\endcsname}%
6223             \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
6224     \fi \fi \fi \fi
6225     \bidinext}
6226 \gdef\bidistringbefore#1#2{00\fi
6227     \bidicharsbefore#1^^?#2^^ff^^?}
6228 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
6229     \ifnum`#1<`#3
6230         \def\bidinext{\csname iftrue\endcsname}%
6231     \else\ifnum`#1>`#3
6232         \def\bidinext{\csname iffalse\endcsname}%
6233     \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
6234     \fi\fi
6235     \bidinext}
6236 }
6237
6238 % Null argument test
6239 %
6240 \def\bidiempty{}
6241 \def\bidiiempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\bidii@null}
6242 \def\bidiiemptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\bidii@null}
6243 %\def\bidiiempty#1{\def\bidicsa{#1}\ifx\bidicsa\bidiempty}
6244 \def\bidiiemptylist#1{00\fi\def\bidicsa{#1}\ifx\csa\bidiempty}
6245
6246 % Next character test
6247 %
6248 \def\bidinextchar#1#2#3{00\fi
6249     \let\bidinxt@ch#1\def\bidinxt@a{#2}\def\bidinxt@b{#3}%
6250     \futurelet\bidinxt@c@\bidiiifnxtc}
6251 \def\bidiiifnextchar#1#2#3{%
6252     \let\bidinxt@ch#1\def\bidinxt@a{#2}\def\bidinxt@b{#3}%
6253     \futurelet\bidinxt@c@\bidiiifnxtc}
6254 \def\@bidiiifnxtc{\ifx\bidinxt@ch\bidinxt@c \expandafter\bidinxt@a
6255     \else \expandafter\bidinxt@b \fi}
6256
6257 % Test for defined-ness of string as control sequence.
6258 % works inside \edef
6259 %
6260 \def\bidiiundefinedcs#1{00\fi\bidicsarg\ifx{#1}\relax}
6261
6262 % Define uniquely defined dummy macros,
6263 % usually to serve as bumper blocks at the end of a list
6264 %
6265 \newcount\bididummies
6266 \def\DefNewDummy#1{
6267     \if\bidiiundefinedcs{#1}\bidicsarg\edef{#1}{\bididum\the\bididummies}
6268     \advance\bididummies\@ne
6269     \else
6270         \bidiierror{Attempt at second definition of `#1'}
6271     \fi}
6272
6273 % string case statement

```



```

6274 % use: \bidi@switch \iftest{...} in:
6275 %     item1 action1
6276 %     ...
6277 %     itemn actionn
6278 %     default defaultaction [optional]
6279 %     \endbidi@switch
6280 % inspired by Jonathan Fine: Some Basic Control Macros
6281 % Tugboat 12 #4
6282 %
6283 \let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{\bidi@default}
6284 \def\bidi@switch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
6285 \def\bidi@switch #1#2#3{\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6286   #1{#2}\bidi@switch@exit #3 \@bidi@fi
6287   \bidi@switch {#1}
6288 }
6289 % this version puts the test object in {}
6290 \def\bidi@oswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6291   #1{#2}\bidi@switch@exit #3 \@bidi@fi
6292   \bidi@switch #1 in:
6293 }
6294 % this version assumes that the test object is just one character
6295 \def\bidi@cswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6296   #1#2\bidi@switch@exit #3 \@bidi@fi
6297   \bidi@cswitch #1 in:
6298 }
6299 % this version assumes that the test object can have an optional space
6300 \def\bidi@bswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6301   #1#2 \bidi@switch@exit #3 \@bidi@fi
6302   \bidi@bswitch #1 in:
6303 }
6304 % this version can cope with significant spaces at the start of #3;
6305 % #2 is macro argument
6306 \def\bidi@mswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6307   #1{#2}\bidi@switch@exit #3 \@bidi@fi
6308   \bidi@mswitch #1 in:
6309 }
6310 % idem; #2 does not have to be enclosed in braces
6311 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6312   #1#2 \bidi@switch@exit #3 \@bidi@fi
6313   \bidi@fswitch #1 in:
6314 }
6315
6316 % Routines for taking the value of a string:
6317 % if the string is defined as control sequence
6318 % take the value of that, otherwise take the string itself
6319
6320 % String or value of control sequence
6321 %
6322 \def\bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
6323
6324 % String or control sequence
6325 %
6326 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
6327

```



```

6328 % String or \noexpand-ed control sequence;
6329 % for use in \edef
6330 %
6331 \newif\ifbidi@in@label
6332 \def\@bidi@w@w#1{\if\@bidi@undefinedcs{#1}#1\else
6333     \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6334 \newtoks\bidi@are@these@correct
6335 \def\bidi@t@w@w#1{%
6336     \if\@bidi@undefinedcs{#1}#1%
6337     \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 }\fi
6338     \else
6339     \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6340
6341 % List Manipulation .....
6342 % this assumes that #1 is a list of tokens, #2 is the name of a list
6343 %
6344 % Names of lists (and of items to pop into) are given as strings;
6345 % not as control sequences.
6346 %
6347 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
6348 % basic append/prepend macro
6349 \long\def\@bidi@append@to@csl#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6350 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@lista}
6351 \long\def\@bidi@prepend@to@csl#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6352 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista}
6353 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@csl}
6354 \def\@bidi@prepend@to@list{\bidi@csarg\@bidi@prepend@to@csl}
6355 % variations:
6356 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
6357 \long\def\bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
6358 \def\bidi@append@list@to@list#1#2{%
6359     \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}
6360 \def\bidi@prepend@list@to@list#1#2{%
6361     \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}
6362 \def\bidi@append@csl@to@csl#1#2{%
6363     \@bidi@append@to@csl{#1}\expandafter{\the#2}}
6364 \def\bidi@prepend@csl@to@csl#1#2{%
6365     \@bidi@prepend@to@csl{#1}\expandafter{\the#2}}
6366 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
6367 \def\bidi@prepend@toks@cs@to@list#1#2{\@bidi@prepend@to@list{#1}\expandafter{\the#2}}
6368
6369 \let\bidi@willbeunhskip\unhskip
6370
6371 % A few list macros for the user
6372 \def\NewTokenList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
6373 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
6374 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
6375 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{#2}}
6376 \def\TheTokenList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\@empty
6377     \if\@bidi@undefinedcs{#1}\bidi@error{Token List <#1> undefined}
6378     \else\bidi@csarg\the{#1}\fi
6379     \let\bidi@willbeunhskip\bidi@oldwbuskip}
6380
6381 \def\bidi@del@tok@from@list#1#2{\begingroup

```



```

6382 \long\def\bidics@liste##1#2##2\biditok@SM
6383 {\biditoks@lista{##1}\biditoks@listb{##2}%
6384 \edef\bidics@listb{\global\bidicsname{#1}=
6385 {\the\biditoks@lista\the\biditoks@listb}}%
6386 \bidics@listb}%
6387 \edef\bidics@lista{\noexpand\bidics@liste}\expandafter\the\csname#1\endcsname\noexpand
6388 \bidics@lista \endgroup}
6389 \def\bidicin@front@of@list#1{\bidicsarg{\let\expandafter\bidics@lista}{#1}%
6390 \bidicin@front@of@cslist\bidics@lista}
6391 \long\def\bidicin@front@of@cslist#1#2{\begingroup\biditoks@lista={#2}%
6392 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\biditoks@list
6393 \endgroup}
6394 \long\def\bidilocal@in@front@of@list#1#2{\biditoks@lista={#2}%
6395 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
6396 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
6397 \expandafter\the\csname#1\endcsname}%
6398 }
6399 \def\bidiset@list#1{\bidicsarg{\let\expandafter\bidics@lista}{#1}%
6400 \bidiset@cslist\bidics@lista}
6401 \long\def\bidiset@cslist#1#2{\begingroup\biditoks@lista={#2}%
6402 \global#1=\expandafter{\the\biditoks@lista}\endgroup}
6403
6404 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% Stack macros
6405 %
6406 % push in terms of prepending of lists
6407 \def\bidipush@cs@onto@cs#1#2{\@bidiprep@to@cslist#1\expandafter{\expandafter\bidipush@cs@onto@cs#1}}
6408 \def\bidipush@onto#1{\bidicsarg\bidipush@onto@cs{#1}}
6409 \def\bidipush@onto@cs#1#2{\@bidiprep@to@cslist#1}{\{#2}}
6410 \def\bidilocal@push@onto#1#2{\let\relax
6411 \bidilocal@in@front@of@list{#1}{\{#2}}
6412 % pop via auxiliary macro: #1 is result, #2 is stack
6413 % two cs arguments
6414 \def\bidipop@cs@into#1#2{\edef\bidics@e
6415 {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
6416 % two string arguments
6417 \def\bidipop@into#1#2{\edef\bidics@e
6418 {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidipop}
6419 \long\def\@bidipopinto#1#2\#3#4{\@bidipop{#1}{#3}{#2}{#4}}
6420 \def\bidicopy@stacktop#1#2{%
6421 \edef\bidics@e{\noexpand\@bidicopy@stacktop
6422 {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
6423 \bidics@e}
6424 \def\@bidicopy@stacktop#1\#2#3\@bidipop{\csname#1\endcsname#2\relax}
6425 \newcount\bidistack@length \newtoks\bidiempty@stack \bidiempty@stack{\{\}}
6426 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@cstack{#1}}
6427 \def\bidilength@of@cstack#1{\def\advance\bidistack@length\m@ne}%
6428 \bidistack@length\m@ne \the#1}
6429 % turn a stack upside down
6430 \def\bidinvert@cstack#1{\bidilength@of@cstack{#1}%
6431 \biditempcountb\z@ \biditemptoksa\bidiempty@stack
6432 \loop\ifnum\biditempcountb<\bidistack@length
6433 \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\m@ne
6434 \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
6435 % \bidicopy@stacktop\biditemptoksb\biditemptoksa% append a to b

```



```

6436% \bidi@temptoksa\bidi@temptoksb
6437 \repeat% copy b to a
6438 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6439% invert a stack into a list
6440 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
6441 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
6442 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6443 \bidi@pop@into{\bidi@temptoksb}{#1}\advance\bidi@stack@length\m@ne
6444 \bidi@append@list@to@list{\bidi@temptoksb}{\bidi@temptoksa}\repeat
6445 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6446
6447
6448% General loop macro:
6449% \looprepeat
6450% \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
6451% \untilcondition{<cond>} \whilecondition{<cond>}
6452% \doloopbody { <loop body> }
6453% where all control sequences in between \looprepeat and \doloopbody are optional.
6454%
6455% var: characters to form a control sequence;
6456% after \forvariable{index} you can access the loop counter as \index.
6457% This is a count register; to print it use \number\index.
6458% start,step,end: integers with obvious relations to the loop counter;
6459% start and step have a default value of 1
6460% cond: (sequence of commands ending in) any TeX \if... test.
6461%
6462% Count down instead of up with \downtovalue; the increment given in \bystep
6463% is always positive, and is added or subtracted accordingly.
6464%
6465% Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
6466% at the beginning of the loop body.
6467%
6468% Exit from middle of loop: \breaklooprepeat
6469% use this at any place in the loop; in case of a conditional use
6470% \ifsomething ... \expandafter \breaklooprepeat \fi
6471%
6472% Note that the line ends do not cause spaces in the output.
6473%
6474% Technical details:
6475% The loop body is not executed in a group: the braces are those
6476% of a token list.
6477% The 'forvariable' variable is \let to a \count register.
6478
6479
6480
6481% Auxiliary stuff
6482 \def\bidi@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
6483 \def\bidi@looprepeat@csromannumeral#1{\csname #1\romannumeral\bidi@looprepeat@depth\endcsname}
6484 \def\bidi@looprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidi@looprepeat@depth\endcsname}
6485
6486 \newcount\bidi@looprepeat@depth
6487 \let\endlooprepeat\relax \def\bidi@csprotect{}
6488% Trace switches may later be defined by PAC_utils
6489 \let\bidi@looprepeat@traceinit\relax \let\bidi@looprepeat@traceexit\relax

```




```

6490
6491 % Main repeatloop macro
6492 % - go to next level and allocate unique counter/toks if this is the
6493 %   first time we visit this level
6494 % - setup: gather bounds and termination conditions
6495 % - scoop up body in token list; after the assignment define and
6496 %   execute body
6497 \def\looprepeat#1\doloopbody{\bidi@looprepeat@traceinit % exit in \breakrepeatloop
6498   \advance\bidi@looprepeat@depth\@ne\relax
6499   \bidi@looprepeat@csargromannumeral\ifx\bidi@looprepeat@count\relax
6500     \bidi@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidi@looprepe
6501     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepea
6502     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepea
6503     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepea
6504   \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{}\def\bidi@looprepeat@comp{>}\bidi@loo
6505   \edef\bidi@looprepeat@tmp
6506     {\def\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}{\bidi@loop
6507   \afterassignment\bidi@looprepeat@dxbbody\bidi@looprepeat@csromannumeral{\bidi@looprepeat@tok
6508
6509 % Define and execute loop body
6510 % This is done with an \edef to construct the actual sequence
6511 \def\bidi@looprepeat@dxbbody{\bidi@looprepeat@csargromannumeral\edef{\bidi@looprepeat@body}{%
6512   \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}%
6513   \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@toks}%
6514   \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@utest}%
6515   \global\bidi@looprepeat@csargromannumeral\advance{\bidi@looprepeat@count} by \bidi@loopre
6516   \noexpand\endlooprepeat
6517   \bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@looprepeat}}}%
6518 \bidi@looprepeat@csromannumeral{\bidi@looprepeat@body}\ignorespaces}
6519
6520 % Stop test
6521 %% In order to stop, issue a
6522 % \breaklooprepeat which scoops up the rest of the body and exits
6523 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral
6524   \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
6525 }
6526
6527
6528 % Setup
6529 % gather bounds and termination conditions
6530 \def\bidi@looprepeat@setup#1{%
6531   \begingroup
6532     \def\forvariable##1{%
6533       \edef\bidi@looprepeat@tmp{%
6534         \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{\bidi@
6535         \bidi@looprepeat@tmp}%
6536       \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{\bidi@looprepeat@count}##1\ig
6537       \def\tovalue##1{%
6538         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loop
6539         {\bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}%
6540         \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}\bi
6541         \noexpand\expandafter \noexpand\breaklooprepeat
6542         \noexpand\fi}\ignorespaces}%
6543       \bidi@looprepeat@tmp}%

```



```

6544 \def\downtovalue##1{%
6545 \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
6546 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}
6547 \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc{-##1}\else
6548 \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc{##1}\fi\ignorespaces}%
6549 \def\untilcondition##1{%
6550 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@
6551 {noexpand##1\relax
6552 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6553 \bidi@looprepeat@tmp}%
6554 \def\whilecondition##1{%
6555 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@
6556 {noexpand##1\relax \noexpand\else
6557 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6558 \bidi@looprepeat@tmp}%
6559 \fromvalue{\@ne}\bystep{\@ne}#1%
6560 \endgroup}
6561 \def\bidi@looprepeat@zero
6562 {\bidi@looprepeat@csromannumeral\bidi@looprepeat@toks{}\bidi@looprepeat@csromannumeral\bidi@looprepeat@
6563 \bidi@looprepeat@csargromannumeral\def\bidi@looprepeat@body{}}
6564
6565 %\tracingmacros2
6566 %\newcount\tmpcount % used in some examples below
6567
6568 %\looprepeat \forvariable{i}
6569 % \bystep{2}
6570 % \doloopbody {%
6571 % \ifnum i=13 \expandafter\breaklooprepeat \fi
6572 % \number{i} } %
6573 %}%
6574
6575 %\looprepeat \forvariable{iii}
6576 % \tovalue{8}
6577 % \doloopbody {}
6578 %After loop: \number{iii}%
6579
6580 %\looprepeat \forvariable{i}
6581 % \fromvalue{10}
6582 % \bystep{2}
6583 % \downtovalue{0}
6584 % \doloopbody {\number{i} }
6585
6586 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
6587 % \doloopbody {\number{x} }
6588
6589 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
6590
6591 %\looprepeat \forvariable{j}
6592 % \untilcondition{\tmpcount=j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
6593 % \doloopbody {\number{j} }
6594
6595 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
6596 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
6597 % \doloopbody {(\number{i}.\number{j}) }

```



```

6598% }
6599
6600% infinite loop
6601%\looprepeat \doloopbody {}
6602
6603 \renewcommand{\InputIfFileExists}[2]{%
6604   \begingroup\expandafter\expandafter\expandafter\endgroup
6605   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
6606     \expandafter\@secondoftwo
6607   \else
6608     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
6609     \expandafter\@firstoftwo
6610   \fi
6611   {%
6612     \expandafter\InputIfFileExists\expandafter{\csname
6613       #1-@bidi@alias\endcsname}{#2}%
6614   }%
6615   {\IfFileExists{#1}{%
6616     \bidi@load@hook{before}{#1}%
6617     #2\@addtofilelist{#1}%
6618     \@input \@filef@und
6619     \bidi@load@hook{after}{#1}%
6620   }}%
6621 }
6622
6623 \newcommand*{\bidi@loadwithoptions}{%
6624 \newcommand*{\bidi@loadwithoptions}{%
6625 \let\bidi@loadwithoptions\@loadwithoptions
6626
6627 \renewcommand*{\@loadwithoptions}[3]{%
6628   \begingroup\expandafter\expandafter\expandafter\endgroup
6629   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
6630     \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
6631   \else
6632     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
6633     \def\bidi@loadwithoptions{%
6634       \loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
6635     }%
6636   \fi
6637   \bidi@loadwithoptions
6638 }
6639
6640 \newcommand*{\bidi@onefilewithoptions}{%
6641 \let\bidi@onefilewithoptions\@onefilewithoptions
6642 \def\@onefilewithoptions#1[#2][#3]#4{%
6643   \begingroup\expandafter\expandafter\expandafter\endgroup
6644   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
6645     \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
6646   \else
6647     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
6648     \edef\bidi@onefilewithoptions{%
6649       \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
6650   \fi
6651   \bidi@onefilewithoptions[#{#2}][#{#3}]{#4}%

```



```

6652 \bidi@load@hook{lateafter}{#1.#4}%
6653 }
6654
6655 \newcommand*{\bidi@ReplaceInput}[2]{%
6656 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
6657 }
6658
6659 \newcommand*{\bidi@UnReplaceInput}[1]{%
6660 \ifcsname #1-@bidi@alias\endcsname
6661 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
6662 \fi
6663 }
6664
6665 \newcommand*{\@bidi@replacefilewithext}[3]{%
6666 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
6667 }
6668 \newcommand*{\bidi@ReplacePackage}[2]{%
6669 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
6670 }
6671 \newcommand*{\bidi@ReplaceClass}[2]{%
6672 \@bidi@replacefilewithext{#1}{#2}\@clsextension
6673 }
6674 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
6675 \ifcsname #1.#2-@bidi@aliasname\endcsname
6676 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
6677 \fi
6678 }
6679 \newcommand*{\bidi@UnReplacePackage}[1]{%
6680 \@bidi@unreplacefilewithext{#1}\@pkgextension
6681 }
6682 \newcommand*{\bidi@UnReplaceClass}[1]{%
6683 \@bidi@unreplacefilewithext{#1}\@clsextension
6684 }
6685 \newcommand*{\bidi@replacefile@msg}[2]{%
6686 \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
6687 }
6688
6689 \newcommand*{\bidi@load@hook}[2]{%
6690 \@ifundefined{#2-@#1}{%
6691 \nameuse{#2-@#1}%
6692 \expandafter\let\csname #2-@#1\endcsname=\relax}}
6693 \newcommand*{\bidi@set@load@hook}[2]{%
6694 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{%
6695 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
6696 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
6697 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
6698 \newcommand*{\bidi@BeforeClass}[1]{%
6699 \bidi@set@load@hook{before}{#1.\@clsextension}}
6700 \newcommand*{\bidi@AfterClass}{%
6701 \@ifstar {\@s@bidi@AfterClass}{%
6702 \ifnextchar +\@@bidi@AfterClass{%
6703 \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
6704 }%
6705 }%

```



```

6706 }
6707
6708 \newcommand*{\@@@bidi@AfterClass}[2]{%
6709   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
6710     \aftergroup\@s@bidi@AfterClass
6711   \else
6712     \aftergroup\bidi@AfterAtEndOfClass
6713   \fi
6714   \endgroup{#2}%
6715 }
6716
6717 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
6718   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
6719 \newcommand*{\@@@bidi@AfterClass}[2]{%
6720   \begingroup
6721     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
6722       \aftergroup\@s@bidi@AfterClass
6723     \else
6724       \aftergroup\bidi@AfterClass
6725     \fi
6726     \endgroup{#2}%
6727 }
6728
6729 \newcommand*{\@bidi@AfterClass}[1]{%
6730   \bidi@set@load@hook{after}{#1.\@clsextension}}
6731 \newcommand*{\@s@bidi@AfterClass}[1]{%
6732   \begingroup
6733     \@ifclassloaded{#1}{%
6734       \aftergroup\@secondoftwo
6735     }{%
6736       \aftergroup\@bidi@AfterClass
6737     }%
6738   \endgroup
6739   {#1}%
6740 }
6741
6742
6743 \newcommand*{\bidi@BeforePackage}[1]{%
6744   \bidi@set@load@hook{before}{#1.\@pkgextension}}
6745 \newcommand*{\bidi@AfterPackage}{%
6746   \ifstar {\@s@bidi@AfterPackage}{%
6747     \ifnextchar +\@bidi@AfterPackage{%
6748       \ifnextchar !\@bidi@AfterPackage\@bidi@AfterPackage
6749     }%
6750   }%
6751 }
6752 \newcommand*{\@@@bidi@AfterPackage}[2]{%
6753   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
6754     \aftergroup\@s@bidi@AfterPackage
6755   \else
6756     \aftergroup\bidi@AfterAtEndOfPackage
6757   \fi
6758   \endgroup{#2}%
6759 }

```



```

6760 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
6761   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
6762 \newcommand*{\@bidi@AfterPackage}[2]{%
6763   \beginingroup
6764     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
6765       \aftergroup\@s@bidi@AfterPackage
6766     \else
6767       \aftergroup\@bidi@AfterPackage
6768     \fi
6769   \endgroup{#2}}%
6770 }
6771 \newcommand*{\@bidi@AfterPackage}[1]{%
6772   \bidi@set@load@hook{after}{#1.\@pkgextension}}
6773 \newcommand*{\@s@bidi@AfterPackage}[1]{%
6774   \beginingroup
6775     \@ifpackageloaded{#1}{%
6776       \aftergroup\@secondoftwo
6777     }{%
6778       \aftergroup\@bidi@AfterPackage
6779     }%
6780   \endgroup
6781   {#1}}%
6782 }
6783
6784 \newcommand*{\bidi@excludedpackages}{%
6785   \let\bidi@excludedpackages\@empty
6786 \newcommand*{\bidi@samed@RequirePackage}{%
6787 \newcommand*{\bidi@PreventPackageFromLoading}{%
6788   \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
6789   {\@bidi@PreventPackageFromLoading\PackageWarning}%
6790 }
6791 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
6792   \@ifnextchar [%]
6793     {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
6794 }
6795 \newcommand*{\@bidi@PreventPackageFromLoading}{%
6796
6797 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
6798   \edef\reserved@b{\zap@space#3 \@empty}%
6799   \ifx \reserved@b\@empty
6800     #1{\biditytools}{%
6801       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
6802       argument ignored%
6803     }%
6804   \else
6805     \ifx\bidi@excludedpackages\@empty
6806       \let\bidi@samed@RequirePackage\RequirePackage
6807       \let\RequirePackage\bidi@RequirePackage
6808       \def\reserved@a##1##{%
6809         \@latex@error
6810         {\noexpand \usepackage before \string\documentclass}%
6811         {\noexpand \usepackage may only appear in the document
6812          preamble, i.e.,\MessageBreak
6813          between \noexpand\documentclass and

```



```

6814         \string\begin{document}.}%
6815         \@gobble}%
6816     \ifx\reserved@a\usepackage\else
6817         \ifx\usepackage\bid@saved@RequirePackage\else
6818             \PackageWarning{biditools}{%
6819                 Maybe serious problem: unexpected definition of\MessageBreak
6820                 \string\usepackage
6821             }%
6822         \fi
6823         \let\usepackage\RequirePackage
6824     \fi
6825 \fi
6826 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
6827 \reserved@b\do {%
6828     \ifx\reserved@a\@empty
6829         #1{biditools}{%
6830             empty package argument for
6831             \string\bid@PreventPackageFromLoading\MessageBreak
6832             ignored%
6833         }%
6834     \else
6835         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
6836             #1{biditools}{%
6837                 package `\'reserved@a' already loaded.\MessageBreak
6838                 Cannot prevent it from being loaded%
6839             }%
6840         }{%
6841             \edef\bid@excludedpackages{\bid@excludedpackages,%
6842                 \reserved@a}%
6843             \if\relax\detokenize{#2}\relax\else
6844                 \@ifundefined{bid@exclude@package@\reserved@a @do}{%
6845                     \@namedef{bid@exclude@package@\reserved@a @do}{}%
6846                 }{%
6847                     \expandafter\def
6848                     \csname bid@exclude@package@\reserved@a
6849                         @do\expandafter\expandafter\expandafter\endcsname
6850                     \expandafter\expandafter\expandafter{%
6851                         \csname bid@exclude@package@\reserved@a @do\endcsname
6852                         #2%
6853                     }%
6854                 \fi
6855             }%
6856         \fi
6857     }%
6858     \ifx\bid@excludedpackages\@empty
6859         \bid@ResetPreventPackageFromLoading
6860     \fi
6861 \fi
6862 }
6863
6864 \@onlypreamble\bid@PreventPackageFromLoading
6865 \newcommand*{\bid@ResetPreventPackageFromLoading}{%
6866     \let\bid@excludedpackages\@empty
6867     \ifx\RequirePackage\bid@RequirePackage

```



```

6868 \ifx\usepackage\RequirePackage
6869 \let\usepackage\bidid@saved@RequirePackage
6870 \fi
6871 \let\RequirePackage\bidid@saved@RequirePackage
6872 \fi
6873 }
6874 \@onlypreamble\bidid@ResetPreventPackageFromLoading
6875 \newcommand*{\bidid@storePreventPackageFromLoading}[1]{%
6876 \let#1\bidid@excludedpackages
6877 }
6878 \@onlypreamble\bidid@storePreventPackageFromLoading
6879 \newcommand*{\bidid@unPreventPackageFromLoading}{%
6880 \@ifstar {\@tempswatrue\@bidid@unPreventPackageFromLoading}%
6881 {\@tempswafalse\@bidid@unPreventPackageFromLoading}%
6882 }
6883
6884 \newcommand*{\@bidid@unPreventPackageFromLoading}[1]{%
6885 \edef\reserved@b{\zap@space#1 \@empty}%
6886 \if@tempswa
6887 \@for\reserved@a=\reserved@b\do {%
6888 \ifx\reserved@a\@empty \else
6889 \ifcsname bidid@exclude@package@\reserved@a @do\endcsname
6890 \expandafter\let
6891 \csname bidid@exclude@package@\reserved@a @do\endcsname
6892 \undefined
6893 \fi
6894 \fi
6895 }%
6896 \fi
6897 \ifcsname bidid@excludedpackages\endcsname
6898 \let\reserved@a\bidid@excludedpackages
6899 \let\bidid@excludedpackages\@empty
6900 \expandafter\@for\expandafter\reserved@c
6901 \expandafter:\expandafter=\reserved@a
6902 \do{%
6903 \ifx\reserved@c\@empty\else
6904 \@expandtwoargs\in@{\,\reserved@c,}{\,\reserved@b,}%
6905 \ifin@
6906 \else
6907 \edef\bidid@excludedpackages{%
6908 \bidid@excludedpackages,\reserved@c
6909 }%
6910 \fi
6911 \fi
6912 }%
6913 \ifx\bidid@excludedpackages\@empty\bidid@ResetPreventPackageFromLoading\fi
6914 \fi
6915 }
6916
6917
6918 \newcommand*{\bidid@RequirePackage}[2][ ]{%
6919 \let\reserved@c\@empty
6920 \let\reserved@d\@empty
6921 \edef\reserved@b{\zap@space#2 \@empty}%

```




```

6922 \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
6923 \do {%
6924   \begingroup
6925     \@tempwattrue
6926     \@for\reserved@a:=\bidi@excludedpackages\do {%
6927       \ifx\reserved@a\reserved@b
6928         \@tempwafalse
6929       \fi
6930     }%
6931   \if@tempswa
6932     \xdef\reserved@c{\reserved@c,\reserved@b}%
6933   \else
6934     \ifx\reserved@b\@empty\else
6935       \PackageInfo{biditools}{Excluding package `\'reserved@b\'MessageBreak
6936         from loading}%
6937       \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
6938         }{%
6939           \expandafter\g@addto@macro\expandafter\reserved@d
6940           \csname bidi@exclude@package@\reserved@b @do\endcsname
6941         }%
6942       \fi
6943     \fi
6944   \endgroup
6945 }%
6946 \ifx\reserved@c\@empty
6947   \let\reserved@a\bidi@gobbleopt
6948 \else
6949   \edef\reserved@a{\noexpand\bidi@samed@RequirePackage[#1]{%
6950     \expandafter\@gobble\reserved@c\@empty}}%
6951 \fi
6952 \expandafter\reserved@d
6953 \reserved@a
6954 }
6955
6956 \newcommand{\bidi@gobbleopt}[1][{}]{%
6957 \AtEndDocument{%
6958   \let\bidi@samed@checkend=\@checkend
6959   \renewcommand*{\@checkend}[1]{%
6960     \def\reserved@a{#1}\def\reserved@b{document}%
6961     \bidi@samed@checkend{#1}%
6962     \ifx\reserved@a\reserved@b
6963       \let\bidi@samed@clearpage=\clearpage
6964       \renewcommand*{\clearpage}{\bidi@samed@clearpage
6965         \bidi@hook@bcma
6966         \bidi@restore@newpage
6967         \let\clearpage=\bidi@samed@clearpage}%
6968     \fi%
6969     \let\bidi@samed@dofilelist\@dofilelist
6970     \def\@dofilelist{%
6971       \bidi@hook@acma
6972       \let\@dofilelist\bidi@samed@dofilelist
6973       \bidi@samed@dofilelist
6974     }%
6975   }%

```



```

6976 }
6977
6978
6979 \newcommand*{\bidi@saved@checkend}{%
6980 \newcommand*{\bidi@saved@dofilelist}{%
6981 \newcommand*{\bidi@redefine@newpage}{%
6982   \let\bidi@saved@newpage\newpage
6983   \def\bidi@restore@newpage{%
6984     \renewcommand*{\newpage}{%
6985       \PackageWarningNoLine{%
6986         biditools%
6987       }{%
6988         \string\newpage\space at main aux file!\MessageBreak
6989         You have output material at the main aux file.\MessageBreak
6990         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
6991         are processed before the output from aux file%
6992       }%
6993       \let\newpage\bidi@saved@newpage
6994       \newpage
6995     }%
6996   }%
6997   \renewcommand*{\newpage}{%
6998     \PackageError{%
6999       biditools%
7000     }{%
7001       \string\newpage\space at \string\bidi@BeforeClosingMainAux
7002     }{%
7003       You should never use \string\newpage\space or
7004       \string\clear(double)page or other output material at the\MessageBreak
7005       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
7006       If you'll continue, the \string\newpage\space will be ignored to
7007       avoid corruption of\MessageBreak
7008       every prior use of \string\bidi@BeforeClosingMainAux.
7009     }%
7010   }%
7011 }
7012
7013 \newcommand*{\bidi@restore@newpage}{%
7014 \newcommand*{\bidi@hook@bcma}{%
7015 \newcommand*{\bidi@hook@acma}{%
7016 \newcommand*{\bidi@BeforeClosingMainAux}{%
7017   \ifx\bidi@hook@bcma\@empty
7018     \gdef\bidi@hook@bcma{%
7019       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
7020       \let\protected@write\bidi@protected@immediate@write
7021       \bidi@redefine@newpage
7022     }%
7023   \fi
7024   \g@addto@macro\bidi@hook@bcma%
7025 }
7026
7027 \newcommand*{\bidi@AfterReadingMainAux}{%
7028   \ifx\bidi@hook@acma\@empty
7029     \gdef\bidi@hook@acma{%

```



```

7030     \renewcommand*{\bidi@AfterReadingMainAux}[1]{####1}%
7031     \let\protected@write\bidi@protected@immediate@write
7032   }%
7033   \fi
7034   \g@addto@macro\bidi@hook@acma%
7035 }
7036
7037 \long\def\bidi@protected@immediate@write#1#2#3{%
7038   \begingroup
7039     #2%
7040     \let\protect\@unexpandable@protect
7041     \edef\reserved@a{\immediate\write#1{#3}}%
7042     \reserved@a
7043   \endgroup
7044   \if@nobreak\ifvmode\nobreak\fi\fi
7045 }
7046
7047 \def\bidi@patch@counter{0}%
7048 \if@bidi@csundef{numexpr}{%
7049   \def\bidi@patch@stepcounter{%
7050     \begingroup
7051       \count@\bidi@patch@counter\relax
7052       \advance\count@\@ne\relax
7053     \edef\x{\endgroup
7054       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
7055     }%
7056     \x
7057   }%
7058 }{%
7059   \def\bidi@patch@stepcounter{%
7060     \edef\bidi@patch@counter{%
7061       \the\numexpr\bidi@patch@counter+\@ne\relax
7062     }%
7063   }%
7064 }
7065 \def\bidi@patch@list{}
7066 \def\bidi@patch@Add{%
7067   \bidi@appto\bidi@patch@list
7068 }
7069 \def\bidi@patch@AfterPackage#1{%
7070   \@ifpackageloaded{#1}{%
7071     \@firstofone
7072   }{%
7073     \@bidi@patch@AfterPackage{#1}%
7074   }%
7075 }
7076 \def\@bidi@patch@AfterPackage#1{%
7077   \edef\bidi@patch@temp{#1}%
7078   \bidi@patch@stepcounter
7079   \expandafter\bidi@patch@@AfterPackage
7080   \csname @bidi@patch@\bidi@patch@counter\expandafter\endcsname{%
7081     \bidi@patch@temp
7082   }%
7083 }

```



```

7084 \def\bidipatch@@AfterPackage#1#2#3{%
7085   \begingroup
7086     \toks@{#3}%
7087     \xdef\bidipatch@gtemp{%
7088       \noexpand\@ifpackageloaded{#2}{%
7089         \noexpand\let\noexpand#1\noexpand\relax
7090         \the\toks@
7091       }{}%
7092     }%
7093   \endgroup
7094   \let#1\bidipatch@gtemp
7095   \bidipatch@Add#1%
7096   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
7097 }
7098
7099 \def\bidipatch@try#1#2#3{%
7100   \if@bidi@csundef{#1}{}{%
7101     \csname #1\endcsname{#2}{#3}%
7102   }%
7103 }
7104
7105 \AtBeginDocument{\bidipatch@list}
7106
7107 \bidi@AtEndPreamble{\bidipatch@list}%
7108
7109 \bidi@AfterEndPreamble{%
7110   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
7111   \let\bidipatch@OrgIfPackageLater\@ifpackagelater
7112   \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
7113   \let\bidipatch@OrgIfClassLater\@ifclasslater
7114   \bidipatch@list
7115   \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
7116   \let\@ifpackagelater\bidipatch@OrgIfPackageLater
7117   \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
7118   \let\@ifclasslater\bidipatch@OrgIfClassLater
7119 }%

```

53 File `bidituftefloat.sty`

```

7120 \NeedsTeXFormat{LaTeX2e}
7121 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
7122 bidi implementation of tufte float]
7123 \RequirePackage{xifthen}
7124 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
7125 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
7126 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{@bidituftefloat@debug}}{\bid
7127 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
7128 \newboolean{@bidituftefloat@reversegeometry}
7129 \setboolean{@bidituftefloat@reversegeometry}{false}
7130 \DeclareOption{reversegeometry}{\setboolean{@bidituftefloat@reversegeometry}{true}}
7131 \newboolean{@bidituftefloat@afourpaper}
7132 \DeclareOption{a4paper}{\setboolean{@bidituftefloat@afourpaper}{true}}
7133 \newboolean{@bidituftefloat@bfivepaper}
7134 \DeclareOption{b5paper}{\setboolean{@bidituftefloat@bfivepaper}{true}}

```



```

7135 \newboolean{@bidituftefloat@symmetric}
7136 \newboolean{@bidituftefloat@twoside}
7137 \DeclareOption{twoside}{%
7138 \@twoside>true \mparswitchtrue%
7139 \setboolean{@bidituftefloat@twoside}{true}%
7140 \setboolean{@bidituftefloat@symmetric}{true}%
7141 }
7142 \DeclareOption{oneside}{%
7143 \@twoside>false \mparswitchfalse%
7144 \setboolean{@bidituftefloat@twoside}{false}%
7145 \setboolean{@bidituftefloat@symmetric}{false}%
7146 }
7147 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
7148 \newboolean{@bidituftefloat@debug}
7149 \newcommand*{\@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodetect}
7150 \ProcessOptions
7151 %% Globally sets the length
7152 \newcommand*{\gsetlength}[2]{%
7153 \setlength{#1}{#2}%
7154 \global#1=#1\relax%
7155 }
7156
7157 %% Set the font sizes and baselines to match bidituftefloat's books
7158 \renewcommand\normalsize{%
7159 \setfontsize\normalsize\@xpt{14}%
7160 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7161 \abovedisplayshortskip \z@ \@plus3\p@
7162 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
7163 \belowdisplayskip \abovedisplayskip
7164 \let\@listi\@listI}
7165 \normalbaselineskip=14pt
7166 \normalsize
7167 \renewcommand\footnotesize{%
7168 \setfontsize\footnotesize\@viipt{10}%
7169 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7170 \abovedisplayshortskip \z@ \@plus\p@
7171 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
7172 \def\@listi{\leftmargin\leftmarginI
7173 \topsep 3\p@ \@plus\p@ \@minus\p@
7174 \parsep 2\p@ \@plus\p@ \@minus\p@
7175 \itemsep \parsep}%
7176 \belowdisplayskip \abovedisplayskip
7177 }
7178 %% Paragraph indentation and separation for marginal text
7179 \newcommand{\@bidituftefloat@margin@par}{%
7180 \setlength{\RaggedRightParindent}{0.5pc}%
7181 \setlength{\JustifyingParindent}{0.5pc}%
7182 \setlength{\parindent}{0.5pc}%
7183 \setlength{\parskip}{0pt}%
7184 }
7185 \RequirePackage{ragged2e}
7186 \ifthenelse{\boolean{@bidituftefloat@reversegeometry}}{%
7187 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpaper]{geometry}
7188 \ifthenelse{\boolean{@bidituftefloat@a4paper}}{

```



```

7189 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
7190 {}
7191 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7192 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
7193 {}}%
7194 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
7195 \ifthenelse{\boolean{@biditytfloat@afourpaper}}
7196 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
7197 {}
7198 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7199 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
7200 {}
7201 \ifthenelse{\boolean{@biditytfloat@symmetric}}
7202 {}
7203 {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
7204 \setlength\marginparpush{10pt}
7205 %% Font for margin items
7206 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
7207 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
7208 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
7209 \newcommand{\@biditytfloat@justification}{\justifying}%
7210 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7211 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7212 \newboolean{@biditytfloat@changepage}
7213 \IfFileExists{changepage.sty}{%
7214 \biditytfloatDebugInfoNL{Found changepage.sty}
7215 \RequirePackage[strict]{changepage}
7216 \setboolean{@biditytfloat@changepage}{true}
7217 }{%
7218 \biditytfloatDebugInfoNL{Found chngpage.sty}
7219 \RequirePackage[strict]{chngpage}
7220 \setboolean{@biditytfloat@changepage}{false}
7221 }
7222 \newboolean{@biditytfloat@odd@page}
7223 \setboolean{@biditytfloat@odd@page}{true}
7224 \newcommand*{\@biditytfloat@checkoddpage}{%
7225 \checkoddpage%
7226 \ifthenelse{\boolean{@biditytfloat@changepage}}{%
7227 \ifoddpage%
7228 \setboolean{@biditytfloat@odd@page}{true}%
7229 \else%
7230 \setboolean{@biditytfloat@odd@page}{false}%
7231 \fi%
7232 }{%
7233 \ifcpoddpage%
7234 \setboolean{@biditytfloat@odd@page}{true}%
7235 \else%
7236 \setboolean{@biditytfloat@odd@page}{false}%
7237 \fi%
7238 }%
7239 }
7240 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
7241 \newlength{\@biditytfloat@fullwidth}
7242 \newlength{\@biditytfloat@caption@fill}

```



```

7243 \newcommand{\biditytfloatRecalculate}{%
7244   \setlength{\@biditytfloat@overhang}{\marginparwidth}
7245   \addtolength{\@biditytfloat@overhang}{\marginparsep}
7246
7247   \setlength{\@biditytfloat@fullwidth}{\textwidth}
7248   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
7249   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
7250
7251   \setlength{\@biditytfloat@caption@fill}{\textwidth}
7252   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
7253 }
7254 \AtBeginDocument{\biditytfloatRecalculate}
7255 \RequirePackage{optparams}% provides multiple optional arguments for commands
7256 \RequirePackage{placeins}
7257 \newsavebox{\@biditytfloat@margin@floatbox}
7258 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
7259 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in o
7260 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
7261 \begin{minipage}{\marginparwidth}%
7262   \@biditytfloat@caption@font%
7263   \def\@capttype{#2}%
7264   \hbox{\vspace*{#1}%
7265     \@biditytfloat@caption@justification%
7266     \@biditytfloat@margin@par%
7267     \noindent%
7268   }
7269   \end{minipage}%
7270 \end{lrbox}%
7271 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
7272 }
7273 \newenvironment{marginfigure}[1][-1.2ex]%
7274 {\begin{@biditytfloat@margin@float}[#1]{figure}}
7275 {\end{@biditytfloat@margin@float}}
7276 \newenvironment{margintable}[1][-1.2ex]%
7277 {\begin{@biditytfloat@margin@float}[#1]{table}}
7278 {\end{@biditytfloat@margin@float}}
7279 \newcommand*{@biditytfloat@justification@autodetect}{\justifying}%
7280
7281 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
7282 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
7283   \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}{
7284     {\def\@biditytfloat@float@debug@info{#1}}%
7285     {\gaddto@macro{\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7286   }
7287 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7288 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug
7289 \newboolean{@biditytfloat@float@recto}
7290 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@bidityt
7291 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@bidityt
7292 \newsavebox{\@biditytfloat@figure@box}
7293 \newsavebox{\@biditytfloat@caption@box}
7294 \let\@biditytfloat@orig@float\@float
7295 \let\@biditytfloat@orig@endfloat\endfloat
7296 \newlength{\@biditytfloat@caption@vertical@offset}

```



```

7297 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
7298 \newcommand{\@biditytfloat@stored@shortcaption}{}
7299 \newcommand{\@biditytfloat@stored@caption}{}
7300 \newcommand{\@biditytfloat@stored@label}{}
7301 \long\def\@biditytfloat@caption[#1][#2]#3{%
7302   \ifthenelse{\isempty{#1}}%
7303     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
7304     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
7305   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to 1
7306   \gdef\@biditytfloat@stored@caption{#3}%
7307 }
7308 \newcommand{\@biditytfloat@label}[1]{%
7309   \gdef\@biditytfloat@stored@label{#1}%
7310 }
7311 \newcommand{\@biditytfloat@fps}{}
7312 \newboolean{\@biditytfloat@float@star}
7313 \newlength{\@biditytfloat@float@contents@width}
7314 \newenvironment{\@biditytfloat@float}[3][htbp]%
7315   {% begin \@biditytfloat@float
7316     % Should this float be full-width or just text-width?
7317     \ifthenelse{\equal{#3}{star}}%
7318       {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
7319       {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
7320     % Check page side (recto/verso) and store detected value -- can be overridden in environm
7321     \@biditytfloat@checkoddpage%
7322     \ifthenelse{\boolean{\@biditytfloat@odd@page}}%
7323       {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Dete
7324       {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Det
7325     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
7326     \renewcommand{\@biditytfloat@fps}{#1}%
7327     \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
7328     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
7329       {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bot
7330       {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top
7331     % Capture the contents of the \caption and \label commands to use later
7332     \global\let\@biditytfloat@orig@caption\caption%
7333     \global\let\@biditytfloat@orig@label\label%
7334     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[ ] [Opt]}}%
7335     \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
7336     % Handle subfigure package compatibility
7337     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
7338       \bidi@patchcmd{\subfigure}{%
7339         \let\subfig@oldlabel=\label
7340       }{%
7341         \let\subfig@oldlabel=\@biditytfloat@orig@label
7342       }
7343     }
7344     {}
7345     \let\subtable=\subfigure
7346   }{% subfigure package is not loaded
7347     \@biditytfloat@orig@float{#2}[#1]%
7348     \ifthenelse{\boolean{\@biditytfloat@float@star}}%
7349       {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
7350       {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%

```




```

7351 \begin{lrbox}{\@bittuftefloat@figure@box}%
7352 \begin{minipage}[\floatalignment]{\@bittuftefloat@float@contents@width}\hbox{%
7353 }{% end @bittuftefloat@float
7354 \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% a
7355 \end{minipage}%
7356 \end{lrbox}%
7357 % build the caption box
7358 \begin{lrbox}{\@bittuftefloat@caption@box}%
7359 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
7360 \ifthenelse{\NOT\equal{\@bittuftefloat@stored@caption}}{\@bittuftefloat@orig@cap
7361 \ifthenelse{\NOT\equal{\@bittuftefloat@stored@label}}{\@bittuftefloat@orig@label
7362 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7363 \end{minipage}%
7364 \end{lrbox}%
7365 % now typeset the stored boxes
7366 \begin{fullwidth}%
7367 \begin{minipage}[\floatalignment]{\linewidth}%
7368 \ifthenelse{\boolean{@bittuftefloat@float@star}}%
7369 {\@bittuftefloat@float@fullwidth[\@bittuftefloat@caption@vertical@offset]{\@bidi
7370 {\@bittuftefloat@float@textwidth[\@bittuftefloat@caption@vertical@offset]{\@bidi
7371 \end{minipage}%
7372 \end{fullwidth}%
7373 \@bittuftefloat@orig@endfloat% end original LaTeX float environment
7374 % output debug info
7375 \ifthenelse{\boolean{@bittuftefloat@debug}}{%
7376 \typeout{^^J^^J----- bittuftefloat package float information -----}%
7377 \ifthenelse{\equal{\@bittuftefloat@stored@label}}{%
7378 {\typeout{Warning: Float unlabeled!}}%
7379 {\typeout{Float label: [\@bittuftefloat@stored@label]}}%
7380 \typeout{Page number: [\thepage]}%
7381 \def\MessageBreak{^^J}%
7382 \typeout{\@bittuftefloat@float@debug@info}%
7383 \ifthenelse{\boolean{@bittuftefloat@symmetric}}%
7384 {\typeout{Symmetric: [true]}}%
7385 {\typeout{Symmetric: [false]}}%
7386 \typeout{-----^^J^^J}%
7387 }{%
7388 % reset commands and temp boxes and captions
7389 \gdef\@bittuftefloat@float@debug@info{%
7390 \let\caption\@bittuftefloat@orig@caption%
7391 \let\label\@bittuftefloat@orig@label%
7392 \begin{lrbox}{\@bittuftefloat@figure@box}\hbox{}\end{lrbox}%
7393 \begin{lrbox}{\@bittuftefloat@caption@box}\hbox{}\end{lrbox}%
7394 \gdef\@bittuftefloat@stored@shortcaption{%
7395 \gdef\@bittuftefloat@stored@caption{%
7396 \gdef\@bittuftefloat@stored@label{%
7397 \gsetlength{\@bittuftefloat@caption@vertical@offset}{0pt}% reset caption offset
7398 }
7399 \newcommand{\@bittuftefloat@float@textwidth}[3][Opt]{%
7400 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}}\OR\boolean{@bittuftefloat@float@recto
7401 % asymmetric or page is odd, so caption is on the right
7402 \hbox{%
7403 \usebox{#2}%
7404 \hspace{\marginparsep}%

```



```

7405     \smash{\raisebox{#1}{\usebox{#3}}}%
7406   }
7407   \@bituftefloat@float@debug{Caption position: [right]]}%
7408 }{% symmetric pages and page is even, so caption is on the left
7409   \hbox{%
7410     \smash{\raisebox{#1}{\usebox{#3}}}%
7411     \hspace{\marginparsep}%
7412     \usebox{#2}%
7413   }
7414   \@bituftefloat@float@debug{Caption position: [left]]}%
7415 }%
7416 }
7417 \newcommand{\@bituftefloat@float@fullwidth}[3][Opt]{%
7418   \ifthenelse{\equal{\floatalignment}{b}}{%
7419     {% place caption above figure
7420       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@cr}
7421         {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bituftefloat@float@debug}
7422         {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bituftefloat@float@debug}
7423     }{% place caption below figure
7424       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@cr}
7425         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bituftefloat@float@debug}
7426         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debug}
7427     }%
7428 }
7429 \renewenvironment{figure}[1][htbp]%
7430   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
7431   {\end{@bituftefloat@float}}
7432 \renewenvironment{table}[1][htbp]
7433   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
7434   {\end{@bituftefloat@float}}
7435 \renewenvironment{figure*}[1][htbp]%
7436   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
7437   {\end{@bituftefloat@float}}
7438 \renewenvironment{table*}[1][htbp]%
7439   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
7440   {\end{@bituftefloat@float}}
7441 \newenvironment{fullwidth}
7442   {\ifthenelse{\boolean{@bituftefloat@symmetric}}{%
7443     {\ifthenelse{\boolean{@bituftefloat@changepage}}{\begin{adjustwidth*}}{-\@bituftefloat@float@overhang}}%
7444     {\begin{adjustwidth}}{-\@bituftefloat@overhang}}}%
7445   }%
7446   {\ifthenelse{\boolean{@bituftefloat@symmetric}}{%
7447     {\ifthenelse{\boolean{@bituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
7448     {\end{adjustwidth}}}%
7449   }
7450 \long\def\@caption#1[#2]#3{%
7451   \par%
7452   \addcontentsline{\csname ext@#1\endcsname}{#1}%
7453     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7454   \begingroup%
7455     \@parboxrestore%
7456     \if@minipage%
7457       \@setminipage%
7458     \fi%

```



```

7459 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
7460 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
7461 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
7462 \endgroup}
7463 %%
7464 % Turns newlines into spaces. Based on code from the 'titlesec' package.
7465 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
7466 \ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
7467 }
7468 \def\@biditytfloat@newlinetospace@i{%
7469 \ifdim\lastskip>\z@\else\space\fi
7470 \ignorespaces%
7471 }
7472 \DeclareRobustCommand{\newlinetospace}[1]{%
7473 \let\@biditytfloat@orig@cr\\% save the original meaning of \\
7474 \def\\{\@biditytfloat@newlinetospace}% turn \\ and \* into \space
7475 \let\newline\\% turn \newline into \space
7476 #1%
7477 \let\\ \@biditytfloat@orig@cr% revert to original meaning of \\
7478 }
7479 \RequirePackage{fancyhdr}
7480 \pagestyle{fancy}
7481 \AtBeginDocument{%
7482 \ifthenelse{\boolean{@biditytfloat@symmetric}}{
7483 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}{
7484 {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
7485 }
7486 % The running heads/feet don't have rules
7487 \renewcommand{\headrulewidth}{0pt}
7488 \renewcommand{\footrulewidth}{0pt}
7489 % The 'fancy' page style is the default style for all pages.
7490 \fancyhf{} % clear header and footer fields
7491 \ifthenelse{\boolean{@biditytfloat@symmetric}}{
7492 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7493 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}{
7494 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7495 % The 'plain' page style is used on chapter opening pages.
7496 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7497 % bottom of pages -- the folios are unexpressed.
7498 \fancypagestyle{plain}{
7499 \fancyhf{} % clear header and footer fields
7500 % Uncomment the following five lines of code if you want the opening page
7501 % of the chapter to express the folio in the lower outside corner.
7502 % \ifthenelse{\boolean{@biditytfloat@symmetric}}{
7503 % {\fancyfoot[LE,RO]{\thepage}}
7504 % {\fancyfoot[RE,RO]{\thepage}}
7505 }
7506 % The 'empty' page style suppresses all headers and footers.
7507 % It's used on title pages and 'intentionally blank' pages.
7508 \fancypagestyle{empty}{
7509 \fancyhf{} % clear header and footer fields
7510 }
7511 \def\morefloats{% provides a total of 52 floats
7512 \ifthenelse{\isundefined{\bx@S}}{%

```



```

7513 \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
7514 \newinsert\bx@S
7515 \newinsert\bx@T
7516 \newinsert\bx@U
7517 \newinsert\bx@V
7518 \newinsert\bx@W
7519 \newinsert\bx@X
7520 \newinsert\bx@Y
7521 \newinsert\bx@Z
7522 \newinsert\bx@a
7523 \newinsert\bx@b
7524 \newinsert\bx@c
7525 \newinsert\bx@d
7526 \newinsert\bx@e
7527 \newinsert\bx@f
7528 \newinsert\bx@g
7529 \newinsert\bx@h
7530 \newinsert\bx@i
7531 \newinsert\bx@j
7532 \newinsert\bx@k
7533 \newinsert\bx@l
7534 \newinsert\bx@m
7535 \newinsert\bx@n
7536 \newinsert\bx@o
7537 \newinsert\bx@p
7538 \newinsert\bx@q
7539 \newinsert\bx@r
7540 \newinsert\bx@s
7541 \newinsert\bx@t
7542 \newinsert\bx@u
7543 \newinsert\bx@v
7544 \newinsert\bx@w
7545 \newinsert\bx@x
7546 \newinsert\bx@y
7547 \newinsert\bx@z
7548 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7549 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7550 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7551 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7552 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7553 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7554 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7555 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7556 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7557 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7558 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7559 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
7560 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
7561 \ifthenelse{\isundefined{\bx@AA}}{%
7562 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
7563 \newinsert\bx@AA
7564 \newinsert\bx@BB
7565 \newinsert\bx@CC
7566 \newinsert\bx@DD

```



```

7567 \newinsert\bx@EE
7568 \newinsert\bx@FF
7569 \newinsert\bx@GG
7570 \newinsert\bx@HH
7571 \newinsert\bx@II
7572 \newinsert\bx@JJ
7573 \newinsert\bx@KK
7574 \newinsert\bx@LL
7575 \newinsert\bx@MM
7576 \newinsert\bx@NN
7577 \newinsert\bx@OO
7578 \newinsert\bx@PP
7579 \newinsert\bx@QQ
7580 \newinsert\bx@RR
7581 \newinsert\bx@SS
7582 \newinsert\bx@TT
7583 \newinsert\bx@UU
7584 \newinsert\bx@VV
7585 \newinsert\bx@WW
7586 \newinsert\bx@XX
7587 \newinsert\bx@YY
7588 \newinsert\bx@ZZ
7589 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7590 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7591 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7592 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7593 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7594 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7595 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7596 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7597 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7598 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7599 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7600 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
7601 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
7602 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
7603 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
7604 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7605 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7606 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7607 }{%
7608 \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
7609 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space on
7610 }%
7611 }%
7612 }
7613 \newboolean{@biditytfloat@packages@subfigure}
7614 \setboolean{@biditytfloat@packages@subfigure}{false}
7615 \AtBeginDocument{%
7616 \ifpackageloaded{subfigure}
7617 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
7618 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
7619 }
7620 \AtBeginDocument{%

```



```

7621 \@ifpackageloaded{float}{%
7622   % Save the redefined float environment (instead of the LaTeX float environment)
7623   \let\@biditytfloat@orig@float\@float
7624   \let\@biditytfloat@orig@endfloat\endfloat
7625
7626   % Define Tufte float styles (with the caption in the margin)
7627   \newcommand{\floatc@biditytfloatplain}[2]{%
7628     \begin{lrbox}{\@biditytfloat@caption@box}%
7629     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
7630       \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
7631     }\end{minipage}%
7632     \end{lrbox}%
7633     \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
7634   }
7635   \newcommand{\fs@biditytfloatplain}{%
7636     \def\@fs@cfont{\@biditytfloat@caption@font}%
7637     \let\@fs@capt\floatc@biditytfloatplain%
7638     \def\@fs@pre{}%
7639     \def\@fs@post{}%
7640     \def\@fs@mid{}%
7641     \let\@fs@iftopcapt\iftrue%
7642   }
7643   \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
7644   \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
7645   \newcommand\floatc@biditytfloatruled[2]{%
7646     {\@fs@cfont #1} #2\par%
7647   }
7648   \newcommand\fs@biditytfloatruled{%
7649     \def\@fs@cfont{\@biditytfloat@caption@font}%
7650     \let\@fs@capt\floatc@biditytfloatplain%
7651     \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
7652     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
7653     \def\@fs@mid{}%
7654     \let\@fs@iftopcapt\iftrue%
7655   }
7656   \newcommand\fs@biditytfloatboxed{%
7657     \def\@fs@cfont{}%
7658     \let\@fs@capt\floatc@biditytfloatplain%
7659     \def\@fs@pre{%
7660       \setbox\@currbox\vbox{\hbadness10000
7661       \moveleft3.4pt\vbox{\advance\hsize by6.8pt
7662       \hrule \hbox to\hsize{\vrule\kern3pt
7663       \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
7664     }%
7665     \def\@fs@mid{\kern2pt}%
7666     \def\@fs@post{}%
7667     \let\@fs@iftopcapt\iftrue%
7668   }
7669   }{%
7670     % Nothing to do
7671   }
7672 }
7673 \AtBeginDocument{%
7674   \@ifpackageloaded{algorithm}{%

```



```

7675 % Set the float style to the Tufatian version
7676 \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\AL
7677 \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBrea
7678 \floatstyle{\bidituftefloat\ALG@floatstyle}%
7679 \restylefloat{algorithm}%
7680 }{}%
7681 }{%
7682 % Nothing to do
7683 }
7684 }
7685 \PassOptionsToPackage{caption=false}{subfig}

```

54 File `bidituftesidenote.sty`

```

7686 \NeedsTeXFormat{LaTeX2e}
7687 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
7688 bidi implementation of tufte sidenote]
7689 \RequirePackage{xifthen}
7690 \RequirePackage{ragged2e}
7691 \RequirePackage{setspace}
7692 \RequirePackage{biditools}
7693 \def\bidituftesidenotemarginpar{%
7694 \ifhmode
7695 \@bsphack
7696 \@floatpenalty -\@Mii
7697 \else
7698 \@floatpenalty -\@Miii
7699 \fi
7700 \ifinner
7701 \@parmoderr
7702 \@floatpenalty\z@
7703 \else
7704 \@next\@currbox\@freelist{}{}%
7705 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7706 {\@floatpenalty\z@
7707 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7708 \fi
7709 \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
7710 \long\def\@bidituftesidenotexmpar[#1]#2{%
7711 \@bidituftesidenotesavemarbox\@marbox{#1}%
7712 \@bidituftesidenotesavemarbox\@currbox{#2}%
7713 \@xympar}
7714 \long\def\@bidituftesidenoteympar#1{%
7715 \@bidituftesidenotesavemarbox\@marbox{#1}%
7716 \global\setbox\@currbox\copy\@marbox
7717 \@xympar}
7718 \long\def \@bidituftesidenotesavemarbox #1#2{%
7719 \global\setbox #1%
7720 \color@vbox
7721 \vtop{%
7722 \hsize\marginparwidth
7723 \@parboxrestore
7724 \@bidituftesidenotemarginparreset
7725 #2%

```



```

7726         \@minipagefalse
7727         \outer@nobreak
7728     }%
7729     \color@endbox
7730 }
7731 \def \@bidityftesidenotemarginparreset {%
7732     \reset@font
7733     \normalsize
7734     \@minipagetrue
7735     \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
7736 }
7737 \def\LTRbidityftesidenotemarginpar{%
7738     \ifhmode
7739         \@bsphack
7740         \@floatpenalty -\@Mii
7741     \else
7742         \@floatpenalty-\@Miii
7743     \fi
7744     \ifinner
7745         \@parmoderr
7746         \@floatpenalty\z@
7747     \else
7748         \@next\@currbox\@freelist{}{}%
7749         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7750         {\@floatpenalty\z@
7751         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
7752     \fi
7753     \ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
7754 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
7755     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7756     \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
7757     \@xympar}
7758 \long\def\@LTRbidityftesidenoteympar#1{%
7759     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7760     \global\setbox\@currbox\copy\@marbox
7761     \@xympar}
7762 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
7763     \global\setbox #1%
7764         \color@vbox
7765         \vtop{%
7766             \hsize\marginparwidth
7767             \@parboxrestore
7768             \@LTRbidityftesidenotemarginparreset
7769             #2%
7770             \@minipagefalse
7771             \outer@nobreak
7772         }%
7773     \color@endbox
7774 }
7775 \def \@LTRbidityftesidenotemarginparreset {%
7776     \reset@font
7777     \normalsize
7778     \@minipagetrue
7779     \everypar{\@minipagefalse\everypar{}}\beginL}%

```




```

7780 }
7781 \def\RTLbidityftesidenotemarginpar{%
7782   \ifhmode
7783     \@bsphack
7784     \@floatpenalty -\@Mii
7785   \else
7786     \@floatpenalty-\@Miii
7787   \fi
7788   \ifinner
7789     \@parmoderr
7790     \@floatpenalty\z@
7791   \else
7792     \@next\@currbox\@freelist{}\{}%
7793     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7794     {\@floatpenalty\z@
7795       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7796   \fi
7797   \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
7798 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
7799   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7800   \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
7801   \@xympar}
7802 \long\def\@RTLbidityftesidenoteympar#1{%
7803   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7804   \global\setbox\@currbox\copy\@marbox
7805   \@xympar}
7806 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
7807   \global\setbox #1%
7808     \color@vbox
7809     \vtop{%
7810       \hsize\marginparwidth
7811       \@parboxrestore
7812       \@RTLbidityftesidenotemarginparreset
7813       #2%
7814       \@minipagefalse
7815       \outer@nobreak
7816     }%
7817   \color@endbox
7818 }
7819 \def \@RTLbidityftesidenotemarginparreset {%
7820   \reset@font
7821   \normalsize
7822   \@minipagetrue
7823   \everypar{\@minipagefalse\everypar{}\beginR}%
7824 }
7825 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
7826 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
7827 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
7828 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\@bidityftesidenote@marginfont}
7829 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
7830 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
7831 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
7832 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
7833 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}

```



```

7834 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
7835 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
7836 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
7837 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
7838 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
7839 \newcommand*{\setRTLSidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
7840 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
7841 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
7842 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
7843 \newcommand*{\setcitation@font}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
7844 \newcommand*{\setLTRcitation@font}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
7845 \newcommand*{\setRTLcitation@font}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
7846 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@auto}
7847 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@auto}
7848 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@auto}
7849 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
7850 \newcommand{\@bidityftesidenote@margin@par}{%
7851   \setlength{\RaggedRightParindent}{0.5pc}%
7852   \setlength{\JustifyingParindent}{0.5pc}%
7853   \setlength{\parindent}{0.5pc}%
7854   \setlength{\parskip}{Opt}}%
7855 }
7856 %%
7857 % Globally sets the length
7858 \@ifundefined{gsetlength}{%
7859 \newcommand*{gsetlength}[2]{%
7860   \setlength{#1}{#2}%
7861   \global#1=#1\relax%
7862 }%
7863 }{}
7864
7865 %%
7866 % A function that removes leading and trailing spaces from the supplied macro.
7867 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
7868 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
7869 % being trimmed of leading and trailing white space.
7870 \catcode\Q=3
7871 \def\@bidityftesidenote@trim@spaces#1{%
7872   % Use grouping to emulate a multi-token afterassignment queue
7873   \begingroup%
7874   % Put \toks 0 {' into the afterassignment queue
7875   \aftergroup\toks\aftergroup0\aftergroup{%
7876   % Apply \trimb to the replacement text of #1, adding a leading
7877   % \noexpand to prevent brace stripping and to serve another purpose
7878   % later.
7879   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
7880   % Transfer the trimmed text back into #1.
7881   \edef#1{\the\toks0}%
7882 }
7883 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
7884 % clean up any leftover bizarre Qs, and trim a leading space. In
7885 % order for \trimc to work properly we need to put back a Q first.
7886 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
7887 % Execute \vfuzz assignment to remove leading space; the \noexpand

```



```

7888 % will now prevent unwanted expansion of a macro or other expandable
7889 % token at the beginning of the trimmed text. The \endgroup will feed
7890 % in the \aftergroup tokens after the \vfuzz assignment is completed.
7891 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
7892 \catcode\Q=11
7893 %%
7894 % Citations should go in the margin as sidenotes
7895
7896 \RequirePackage{natbib}
7897 \RequirePackage{bibentry} % allows bibitems to be typeset outside the bibliography env
7898 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
7899 \renewcommand\BR@b@bibitem[2][{}]{%
7900   \ifthenelse{\isempty{#1}}{%
7901     {\BR@bibitem{#2}}%
7902     {\BR@bibitem{#1}{#2}}%
7903   \BR@c@bibitem{#2}%
7904 }
7905 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
7906 %%
7907 % Normal \cite behavior
7908 \newcounter{@bidityftesidenote@num@bibkeys}%
7909 \newcommand{\@bidityftesidenote@normal@cite}[2][0pt]{%
7910   % Snag the last bibentry in the list for later comparison
7911   \let\@temp@last@bibkey\@empty%
7912   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
7913   \sidenote[] [#1]{%
7914     % Loop through all the bibentries, separating them with semicolons and spaces
7915     \normalsize\normalfont\@bidityftesidenote@citation@font%
7916     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
7917     \@for\@temp@bibkeyx:=#2\do{%
7918       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
7919         {\ifthenelse{\equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\{and\ }}%
7920         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7921         \bibentry{\@temp@bibkeyx}}%
7922         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7923         \bibentry{\@temp@bibkeyx};\ }%
7924       \stepcounter{@bidityftesidenote@num@bibkeys}%
7925     }%
7926   }%
7927 }
7928 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][0pt]{%
7929   % Snag the last bibentry in the list for later comparison
7930   \let\@temp@last@bibkey\@empty%
7931   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
7932   \LTRsidenote[] [#1]{%
7933     % Loop through all the bibentries, separating them with semicolons and spaces
7934     \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
7935     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
7936     \@for\@temp@bibkeyx:=#2\do{%
7937       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
7938         {\ifthenelse{\equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\{and\ }}%
7939         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7940         \bibentry{\@temp@bibkeyx}}%
7941         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

7942         \bibentry{\@temp@bibkeyx};\ }%
7943         \stepcounter{@bituftesidenote@num@bibkeys}%
7944     }%
7945 }%
7946 }
7947 \newcommand{\@bituftesRTLsidenote@normal@cite}[2][Opt]{%
7948 % Snag the last bibentry in the list for later comparison
7949 \let\@temp@last@bibkey\empty%
7950 \for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
7951 \RTLsidenote[] [#1]{%
7952 % Loop through all the bibentries, separating them with semicolons and spaces
7953 \normalsize\normalfont\@bituftesidenote@citation@font%
7954 \setcounter{@bituftesidenote@num@bibkeys}{0}%
7955 \for\@temp@bibkeyx:=#2\do{%
7956 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
7957     {\ifthenelse{equal{value{@bituftesidenote@num@bibkeys}}{0}}{and\ }%
7958     \@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7959     \bibentry{\@temp@bibkeyx}}%
7960     {\@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7961     \bibentry{\@temp@bibkeyx};\ }%
7962     \stepcounter{@bituftesidenote@num@bibkeys}%
7963     }%
7964 }%
7965 }
7966 %%
7967 % Macros for holding the list of cite keys until after the \sidenote
7968 \gdef\@bituftesidenote@citations{}% list of cite keys
7969 \newcommand\@bituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
7970 \ifx\@bituftesidenote@citations\empty\else
7971     \g@addto@macro\@bituftesidenote@citations{,}% separate by commas
7972 \fi
7973 \g@addto@macro\@bituftesidenote@citations{#1}
7974 }
7975 \newcommand{\@bituftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
7976 % Snag the last bibentry in the list for later comparison
7977 \let\@temp@last@bibkey\empty%
7978 \for\@temp@bibkey:=\@bituftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
7979 \marginpar{%
7980     \hbox{} \vspace*{#1}%
7981     \@bituftesidenote@citation@font%
7982     \@bituftesidenote@citation@justification%
7983     \@bituftesidenote@margin@par% use parindent and parskip settings for marginal text
7984     \vspace*{-1\baselineskip}%
7985 % Loop through all the bibentries, separating them with semicolons and spaces
7986 \setcounter{@bituftesidenote@num@bibkeys}{0}%
7987 \for\@temp@bibkeyx:=\@bituftesidenote@citations\do{%
7988     \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
7989         {\ifthenelse{equal{value{@bituftesidenote@num@bibkeys}}{0}}{and\ }%
7990         \@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7991         \bibentry{\@temp@bibkeyx}}%
7992         {\@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7993         \bibentry{\@temp@bibkeyx};\ }%
7994         \stepcounter{@bituftesidenote@num@bibkeys}%
7995     }%

```



```

7996 }%
7997 }
7998 %%
7999 % \cite behavior when executed within a sidenote
8000 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
8001 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
8002   \@bidityftesidenote@add@citation{#1}
8003 }
8004 %%
8005 % Set the default \cite style. This is set and reset by the \sidenote command.
8006 \let\cite\@bidityftesidenote@normal@cite
8007 \let\LTRcite\@bidityftelTRsidenote@normal@cite
8008 \let\RTLcite\@bidityfteRTLsidenote@normal@cite
8009 %%
8010 % Transform existing \footnotes into \sidenotes
8011 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
8012 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional argu
8013 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8014 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8015 % Override footmisc's definition to set the sidenote marks (numbers) inside the
8016 % sidenote's text block.
8017 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote
8018 % Set the in-text footnote mark in the same typeface as the body text itself.
8019 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnote
8020 \providecommand*\@multiplefootnotemark}{3sp}
8021 \providecommand*\@multfootsep}{,}
8022 \bidi@patch@AfterPackage{bidi}{%
8023 \renewcommand{\@footnotemark}{%
8024   \leavevmode%
8025   \ifhmode%
8026     \edef\@x@sf{\the\spacefactor}%
8027     \@bidityftesidenote@check@multiple@sidenotes%
8028     \nobreak%
8029     \fi%
8030     \@makefnmark%
8031     \ifhmode\spacefactor\@x@sf\fi%
8032     \relax%
8033 }%
8034 }
8035 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
8036   \ifdim\lastkern=\@multiplefootnotemark\relax%
8037     \edef\@x@sf{\the\spacefactor}%
8038     \unkern%
8039     \textsuperscript{\multfootsep}%
8040     \spacefactor\@x@sf\relax%
8041   \fi
8042 }
8043 \bidi@patch@AfterPackage{bidi}{%
8044 \renewcommand\@footnotetext[2][0pt]{%
8045   \bidityftesidenotemarginpar{%
8046     \hbox{}}\vspace*{#1}%
8047     \def\baselinestretch {\set@space@singlespace}%
8048     \reset@font%
8049     \bidi@@footnotetext@font% \reset@font\footnotesize%

```



```

8050 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8051 \vspace*{-1\baselineskip}\noindent%
8052 \protected@edef\@currentlabel{%
8053     \csname p@footnote\endcsname\@thefnmark%
8054 }%
8055 \color@begingroup%
8056     \makefnintext{%
8057         \ignorespaces#2%
8058     }%
8059 \color@endgroup%
8060 }%
8061 }%
8062 \renewcommand\@LTRfootnotetext[2][Opt]{%
8063     \LTRbidityftesidenotemarginpar{%
8064         \hbox{}\vspace*{#1}%
8065         \def\baselinestretch {\setspace@singlespace}%
8066         \reset@font%
8067         \bidi@%LTRfootnotetext@font% \reset@font\footnotesize%
8068         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8069         \vspace*{-1\baselineskip}\noindent%
8070         \protected@edef\@currentlabel{%
8071             \csname p@footnote\endcsname\@thefnmark%
8072         }%
8073         \color@begingroup%
8074             \makefnintext{%
8075                 \ignorespaces#2%
8076             }%
8077         \color@endgroup%
8078     }%
8079 }%
8080 \renewcommand\@RTLfootnotetext[2][Opt]{%
8081     \RTLbidityftesidenotemarginpar{%
8082         \hbox{}\vspace*{#1}%
8083         \def\baselinestretch {\setspace@singlespace}%
8084         \reset@font%
8085         \bidi@%RTLfootnotetext@font% \reset@font\footnotesize%
8086         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8087         \vspace*{-1\baselineskip}\noindent%
8088         \protected@edef\@currentlabel{%
8089             \csname p@footnote\endcsname\@thefnmark%
8090         }%
8091         \color@begingroup%
8092             \makefnintext{%
8093                 \ignorespaces#2%
8094             }%
8095         \color@endgroup%
8096     }%
8097 }%
8098 }
8099 %
8100 % Define \sidenote command. Can handle \cite.
8101 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
8102 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
8103 % #1 = footnote num, #2 = vertical offset, #3 = footnote text

```



```

8104 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
8105 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8106 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8107 \ifthenelse{\NOT\isempty{#2}}{%
8108 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8109 }{%
8110 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8111 }%
8112 \ifthenelse{\isempty{#1}}{%
8113 % no specific footnote number provided
8114 \stepcounter\@mpfn%
8115 \protected@xdef\@thefnmark{\thempfn}%
8116 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8117 }{%
8118 % specific footnote number provided
8119 \begingroup%
8120 \csname c@\@mpfn\endcsname #1\relax%
8121 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8122 \endgroup%
8123 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8124 }%
8125 \@bidityftesidenote@print@citations% print any citations
8126 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
8127 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8128 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
8129 \unskip\ignorespaces% remove extra white space
8130 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
8131 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8132 }
8133 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
8134 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8135 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8136 \ifthenelse{\NOT\isempty{#2}}{%
8137 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8138 }{%
8139 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8140 }%
8141 \ifthenelse{\isempty{#1}}{%
8142 % no specific footnote number provided
8143 \stepcounter\@mpfn%
8144 \protected@xdef\@thefnmark{\thempfn}%
8145 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8146 }{%
8147 % specific footnote number provided
8148 \begingroup%
8149 \csname c@\@mpfn\endcsname #1\relax%
8150 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8151 \endgroup%
8152 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8153 }%
8154 \@bidityftesidenote@print@citations% print any citations
8155 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
8156 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8157 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL

```




```

8158 \unskip\ignorespaces%           remove extra white space
8159 \kern-\multiplefootnotemarker%   remove \kern left behind by sidenote
8160 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8161 }
8162 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
8163 \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8164 \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8165 \ifthenelse{\NOT\isempty{#2}}{%
8166 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8167 }{%
8168 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8169 }%
8170 \ifthenelse{\isempty{#1}}{%
8171 % no specific footnote number provided
8172 \stepcounter\@mpfn%
8173 \protected@xdef\@thefnmark{\thempfn}%
8174 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8175 }{%
8176 % specific footnote number provided
8177 \begingroup%
8178 \csname c@\@mpfn\endcsname #1\relax%
8179 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8180 \endgroup%
8181 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8182 }%
8183 \@bidityftesidenote@print@citations%           print any citations
8184 \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite comm
8185 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8186 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
8187 \unskip\ignorespaces%           remove extra white space
8188 \kern-\multiplefootnotemarker%   remove \kern left behind by sidenote
8189 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8190 }
8191 \newcommand{\sidenote}{\@optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
8192 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
8193 \newcommand{\RTLsidenote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
8194 \bidi@patch@AfterPackage{bidi}{%
8195 \renewcommand{\footnote}{\@optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
8196 \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
8197 \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
8198 }
8199 %%
8200 % Sidenote without the footnote mark
8201 \newcommand\marginnote[2] [Opt]{%
8202 \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8203 \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8204 \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidity
8205 \@bidityftesidenote@print@citations%           print any citations
8206 \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite comm
8207 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8208 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
8209 }
8210 \newcommand\LTRmarginnote[2] [Opt]{%
8211 \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command

```




```

8212 \gdef\@bidityftesidenote@citations{%          clear out any old citations
8213 \LTRbidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@
8214 \@bidityftesidenote@print@citations%          print any citations
8215 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
8216 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8217 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8218 }
8219 \newcommand\RTLmarginnote[2][Opt]{%
8220 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8221 \gdef\@bidityftesidenote@citations{%          clear out any old citations
8222 \RTLbidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@
8223 \@bidityftesidenote@print@citations%          print any citations
8224 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
8225 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8226 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
8227 }

```

55 File bidityftetoc.sty

```

8228 \NeedsTeXFormat{LaTeX2e}
8229 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
8230 bidi implementation of tuftes toc]
8231 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
8232 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
8233 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
8234 %%
8235 % Turn off section numbering
8236 \setcounter{secnumdepth}{-1}
8237 \newboolean{\@bidityftetoc@toc}
8238 \setboolean{\@bidityftetoc@toc}{true}
8239 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}
8240 \DeclareOption{toc}{\setboolean{\@bidityftetoc@toc}{true}}
8241 \ProcessOptions
8242 %%
8243 % Make Tuftian-style section headings and TOC formatting
8244 \bidi@patch@AfterPackage{bidi}{%
8245 \titleformat{\chapter}%
8246 [display]% shape
8247 {\relax\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format
8248 {\itshape\huge\thechapter}% label
8249 {Opt}% horizontal separation between label and title body
8250 {\huge\rmfamily\itshape}% before the title body
8251 [\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title
8252 \titleformat{\section}%
8253 [hang]% shape
8254 {\normalfont\Large\itshape}% format applied to label+text
8255 {\thesection}% label
8256 {1em}% horizontal separation between label and title body
8257 {}% before the title body
8258 []% after the title body
8259 \titleformat{\subsection}%
8260 [hang]% shape
8261 {\normalfont\large\itshape}% format applied to label+text
8262 {\thesubsection}% label

```



```

8263 {1em}% horizontal separation between label and title body
8264 {}% before the title body
8265 []% after the title body
8266 \titleformat{\paragraph}%
8267 [runin]% shape
8268 {\normalfont\itshape}% format applied to label+text
8269 {\theparagraph}% label
8270 {1em}% horizontal separation between label and title body
8271 {}% before the title body
8272 []% after the title body
8273 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
8274 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8275 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus.2ex}
8276 }
8277 % Subsubsection and following section headings shouldn't be used.
8278 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
8279 \renewcommand\subsubsection{%
8280 \bidityftetocError{\noexpand\subsubsection is undefined by this class.%
8281 \MessageBreak See Robert Bringhurst's _The Elements of
8282 \MessageBreak Typographic Style_, section 4.2.2.
8283 \MessageBreak \noexpand\subsubsection was used}
8284 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8285 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8286 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
8287 }
8288 \renewcommand\subparagraph{%
8289 \bidityftetocError{\noexpand\subparagraph is undefined by this class.%
8290 \MessageBreak See Robert Bringhurst's _The Elements of
8291 \MessageBreak Typographic Style_, section 4.2.2.
8292 \MessageBreak \noexpand\subparagraph was used}
8293 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8294 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8295 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
8296 }
8297 % Formatting for main TOC (printed in front matter)
8298 {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8299 \ifthenelse{\boolean{@bidityftetoc@toc}}{%
8300 \bidi@patch@AfterPackage{bidi}{%
8301 \titlecontents{part}% FIXME
8302 [0em] % distance from left margin
8303 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8304 {\contentslabel{2em}} % before w/label (label = ``II'')
8305 {} % before w/o label
8306 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8307 [\end{fullwidth}] % after
8308 \titlecontents{chapter}%
8309 [0em] % distance from left margin
8310 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8311 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8312 {\hspace*{0em}} % before w/o label
8313 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8314 [\end{fullwidth}] % after
8315 \titlecontents{section}% FIXME
8316 [0em] % distance from left margin

```



```

8317 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
8318 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8319 {\hspace*{2em}} % before w/o label
8320 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
8321 [\end{fullwidth}] % after
8322 \titlecontents{subsection}% FIXME
8323 [0em] % distance from left margin
8324 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
8325 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8326 {\hspace*{4em}} % before w/o label
8327 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
8328 [\end{fullwidth}] % after
8329 \titlecontents{paragraph}% FIXME
8330 [0em] % distance from left margin
8331 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
8332 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8333 {\hspace*{6em}} % before w/o label
8334 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
8335 [\end{fullwidth}] % after
8336 }%
8337 {}
8338 %%
8339 % Format lists of figures/tables
8340 \renewcommand\listoffigures{%
8341 \ifundefined{chapter}%
8342 {\section*{\listfigurename}}%
8343 {\chapter*{\listfigurename}}%
8344 % \begin{fullwidth}%
8345 % \@starttoc{lof}%
8346 % \end{fullwidth}%
8347 }
8348 \renewcommand\listoftables{%
8349 \ifundefined{chapter}%
8350 {\section*{\listtablename}}%
8351 {\chapter*{\listtablename}}%
8352 % \begin{fullwidth}%
8353 % \@starttoc{lot}%
8354 % \end{fullwidth}%
8355 }
8356 \newcommand{\@biditytetoc@lof@line}[2]{%
8357 % #1 is the figure/table number and its caption text
8358 % #2 is the page number on which the figure/table appears
8359 \leftskip 0.0em
8360 \rightskip 0em
8361 \parfillskip 0em plus 1fil
8362 \parindent 0.0em
8363 \@afterindenttrue
8364 \interlinepenalty\@M
8365 \leavevmode
8366 \@tempdima 2.0em
8367 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8368 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
8369 {#1}\nobreak\qquad\nobreak#2%
8370 \par%

```



```

8371 }
8372 \renewcommand*\l@figure{\@bidityfttoc\lof@line}
8373 \let\l@table\l@figure

```

56 File bidityftegeneralstructure.sty

```

8374 \NeedsTeXFormat{LaTeX2e}
8375 \ProvidesPackage{bidityftegeneralstructure}[2011/06/18 v0.1
8376 bidi implementation of tufte general structure]
8377 \renewcommand\small{%
8378   \@setfontsize\small\@ixpt{12}%
8379   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8380   \abovedisplayshortskip \z@ \@plus2\p@
8381   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
8382   \def\@listi{\leftmargin\leftmargini
8383     \topsep 4\p@ \@plus2\p@ \@minus2\p@
8384     \parsep 2\p@ \@plus\p@ \@minus\p@
8385     \itemsep \parsep}%
8386   \belowdisplayskip \abovedisplayskip
8387 }
8388 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
8389 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
8390 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8391 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
8392 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
8393 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8394 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8395 \setlength\leftmargini {1pc}
8396 \setlength\leftmarginii {1pc}
8397 \setlength\leftmarginiii {1pc}
8398 \setlength\leftmarginiv {1pc}
8399 \setlength\leftmarginv {1pc}
8400 \setlength\leftmarginvi {1pc}
8401 \setlength\labelsep {.5pc}
8402 \setlength\labelwidth {\leftmargini}
8403 \addtolength\labelwidth{-\labelsep}
8404 \setlength{\parindent}{1.0pc}%
8405 \setlength{\parskip}{0pt}%
8406 \RequirePackage{ragged2e}
8407 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
8408 % Paragraph indentation and separation for normal text
8409 \newcommand{\@bidityftegeneralstructure@reset@par}{%
8410   \setlength{\RaggedRightParindent}{1.0pc}%
8411   \setlength{\JustifyingParindent}{1.0pc}%
8412   \setlength{\parindent}{1pc}%
8413   \setlength{\parskip}{0pt}%
8414 }
8415 \@bidityftegeneralstructure@reset@par
8416 % Require paralist package for tighter lists
8417 \RequirePackage{paralist}
8418 % Add rightmargin to compactenum
8419 \def\@compactenum@{%
8420   \expandafter\list\csname label\@enumctr\endcsname{%
8421     \usecounter{\@enumctr}%

```



```

8422 \rightmargin=2em% added this
8423 \parsep\plparsep
8424 \itemsep\plitemsep
8425 \topsep\pltopsep
8426 \partopsep\plpartopsep
8427 \def\makelabel##1{\hss\llap{##1}}
8428 %%
8429 % An environment for paragraph-style section
8430 \providecommand\newthought[1]{%
8431 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8432 \noindent\textbf{#1}%
8433 }
8434 %%
8435 % Redefine the display environments (quote, quotation, etc.)
8436 \renewenvironment{verse}
8437 {\let\\@centercr
8438 \list{}\itemsep \z@
8439 \itemindent -1pc%
8440 \listparindent\itemindent
8441 \rightmargin \leftmargin
8442 \advance\leftmargin 1pc}%
8443 \small%
8444 \item\relax}
8445 {\endlist}
8446 \renewenvironment{quotation}
8447 {\list{}\listparindent 1pc%
8448 \itemindent \listparindent
8449 \rightmargin \leftmargin
8450 \parsep \z@ \@plus\p@}%
8451 \small%
8452 \item\relax\noindent\ignorespaces}
8453 {\endlist}
8454 \renewenvironment{quote}
8455 {\list{}\listparindent 1pc%
8456 \small%
8457 \item\relax}
8458 {\endlist}
8459 % Italicize description run-in headings (instead of the default bold)
8460 \renewcommand*{descriptionlabel}[1]{\hspace\labelsep\normalfont\em #1}
8461 %%
8462 % Redefine \bibsection to not mark the running heads.
8463 % (Code modified from natbib.sty.)
8464 \@ifundefined{chapter}%
8465 {\renewcommand\bibsection{\section*{\refname}}}
8466 {\@ifundefined{NAT@sectionbib}%
8467 {\renewcommand\bibsection{\chapter{\bibname}}}
8468 {\renewcommand\bibsection{\section*{\bibname}}}}
8469 \RequirePackage{multicol}
8470 \renewenvironment{theindex}{%
8471 \@ifundefined{chapter}%
8472 {\section*{\indexname}}%
8473 {\chapter{\indexname}}%
8474 \begin{fullwidth}%
8475 \small%

```



```

8476 \parskip0pt%
8477 \parindent0pt%
8478 \let\item\@idxitem%
8479 \begin{multicols}{3}%
8480 }{%
8481 \end{multicols}%
8482 \end{fullwidth}%
8483 }
8484 \AtBeginDocument{%
8485 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8486 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8487 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
8488 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8489 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

57 File `bidituftehyperref.sty`

```

8490 \NeedsTeXFormat{LaTeX2e}
8491 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
8492 bidi implementation of tufte hyperref]
8493 %%
8494 % Color
8495 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8496 \newboolean{@bidituftehyperref@loadhyper}
8497 \setboolean{@bidituftehyperref@loadhyper}{true}
8498 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
8499 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
8500 \ProcessOptions
8501 %% Loads the hyperref package and sets some default options.
8502 \newcommand{\bidituftehyperrefLoadHyperref}{%
8503 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
8504 \hypersetup{%
8505   bookmarksdepth = section,
8506   citecolor = DarkGreen,
8507   linkcolor = DarkBlue,
8508   pagecolor = DarkBlue,
8509   urlcolor = DarkGreen,
8510 }%
8511 }
8512 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
8513   \bidituftehyperrefLoadHyperref%
8514 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
8515   \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
8516 }

```

58 File `bidituftetitle.sty`

```

8517 \NeedsTeXFormat{LaTeX2e}
8518 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
8519 bidi implementation of tufte title]
8520 \RequirePackage{biditools}
8521 %%
8522 % `titlepage' option -- creates a full title page with \maketitle
8523 \newboolean{@bidituftetitle@titlepage}

```



```

8524 \DeclareOption{titlepage}{\setboolean{@bidityttitle@titlepage}{true}}
8525 \DeclareOption{notitlepage}{\setboolean{@bidityttitle@titlepage}{false}}
8526 % Default 'book' and 'handout' options
8527 \@ifclassloaded{book}{%
8528 \ExecuteOptions{titlepage}}{%
8529 \@ifclassloaded{article}{%
8530 \ExecuteOptions{notitlepage}}%
8531 {}}
8532 \ProcessOptions
8533 %%
8534 % Modified \title, \author, and \date commands. These store the
8535 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8536 \newcommand{\plaintitle}{}% plain-text-only title
8537 \newcommand{\plainauthor}{}% plain-text-only author
8538 \newcommand{\plainpublisher}{}% plain-text-only publisher
8539 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8540 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
8541 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8542 \newcommand{\@publisher}{}% full publisher with \thanks{}
8543 \newcommand{\thedata}{\today}
8544 \bidi@patch@AfterPackage{bidi}{%
8545 \renewcommand{\thanks}[1]{\footnote{#1}}
8546 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8547 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8548 }
8549 \renewcommand{\title}[2][]{%
8550 \gdef\@title{#2}%
8551 \begingroup%
8552 % TODO store contents of \thanks command
8553 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8554 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8555 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8556 \protected@xdef\thanklesstitle{#2}%
8557 \endgroup%
8558 \ifthenelse{\isempty{#1}}%
8559 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8560 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
8561 \@ifundefined{hypersetup}%
8562 {}% hyperref is not loaded; do nothing
8563 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8564 }
8565 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
8566 \renewcommand{\author}[2][]{%
8567 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
8568 \begingroup%
8569 % TODO store contents of \thanks command
8570 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8571 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8572 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8573 \protected@xdef\thanklessauthor{#2}%
8574 \endgroup%
8575 \ifthenelse{\isempty{#1}}%
8576 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8577 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author

```



```

8578 \@ifundefined{hypersetup}%
8579 {}% hyperref is not loaded; do nothing
8580 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8581 }
8582 \renewcommand{\date}[1]{%
8583 \gdef\@date{#1}%
8584 \begingroup%
8585 % TODO store contents of \thanks command
8586 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8587 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8588 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8589 \protected@xdef\thedata{#1}%
8590 \endgroup%
8591 }
8592 %%
8593 % Provides a \publisher command to set the publisher
8594 \newcommand{\publisher}[2][]{%
8595 \gdef\@publisher{#2}%
8596 \begingroup%
8597 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8598 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8599 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8600 \protected@xdef\thanklesspublisher{#2}%
8601 \endgroup%
8602 \ifthenelse{\isempty{#1}}
8603 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8604 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8605 }
8606 %%
8607 % Produces a full title page
8608 \newcommand{\maketitlepage}[0]{%
8609 \cleardoublepage%
8610 {%
8611 \bfseries%
8612 \begin{fullwidth}%
8613 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8614 \vspace{11.5pc}%
8615 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8616 \vfill%
8617 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8618 \end{fullwidth}%
8619 }
8620 \thispagestyle{empty}%
8621 \clearpage%
8622 }
8623 %%
8624 % Title block
8625 \bidi@AfterEndPreamble{%
8626 \renewcommand{\maketitle}{%
8627 \newpage%
8628 \global\@topnum\z@% prevent floats from being placed at the top of the page
8629 \begingroup%
8630 \setlength{\parindent}{0pt}%
8631 \setlength{\parskip}{4pt}%

```




```

8632 \let\@title\@empty%
8633 \let\@author\@empty%
8634 \let\@date\@empty%
8635 \gdef\@title{\LARGE\itshape\@title\par}%
8636 \gdef\@author{\Large\itshape\@author\par}%
8637 \gdef\@date{\Large\itshape\@date\par}%
8638 \@title%
8639 \@author%
8640 \@date%
8641 \endgroup%
8642 \thispagestyle{plain}% suppress the running head
8643 }%
8644 }
8645 %%
8646 % Title page (if the `titlepage' option was passed to the bidentuftetitle-handout
8647 % class.)
8648 \bidi@AfterEndPreamble{%
8649 \ifthenelse{\boolean{@bidentuftetitle@titlepage}}
8650 {\renewcommand{\maketitle}{\maketitlepage}}
8651 {}
8652 }
8653 %%
8654 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8655 % without headers and footers
8656 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8657 \hbox{}
8658 %\vspace*{\fill}
8659 %\begin{center}
8660 % This page intentionally contains only this sentence.
8661 %\end{center}
8662 %\vspace{\fill}
8663 \thispagestyle{empty}
8664 \newpage
8665 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

59 File bidentufte-handout.cls

```

8666 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8667 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
8668 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8669 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
8670 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
8671 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
8672 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
8673 \ProcessOptions\relax
8674 \LoadClass{article}
8675 \RequirePackage{bidentuftefloat}
8676 \RequirePackage{bidentuftesidenote}
8677 \RequirePackage{bidentuftetoc}
8678 \RequirePackage{bidentuftegeneralstructure}
8679 \RequirePackage{bidentuftehyperref}
8680 \RequirePackage{bidentuftetitle}
8681 \renewenvironment{abstract}
8682 {\begin{quotation}}

```



```

8683   {\end{quotation}}
8684 \AtBeginDocument{%
8685   \IfFileExists{biditufte-handout.cfg}
8686     {\input{biditufte-handout.cfg}
8687      \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
8688   }%
8689 }

```

60 File biditufte-book.cls

```

8690 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8691 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
8692 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8693 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
8694 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
8695 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
8696 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
8697 \ProcessOptions\relax
8698 \LoadClass{book}
8699 \RequirePackage{bidituftefloat}
8700 \RequirePackage{bidituftesidenote}
8701 \RequirePackage{bidituftetoc}
8702 \RequirePackage{bidituftegeneralstructure}
8703 \RequirePackage{bidituftehyperref}
8704 \RequirePackage{bidituftetitle}
8705 %%
8706 % Set up any book-specific stuff now
8707 %%
8708 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8709 % to the opening page of Chapter 1. The running heads, when they appear,
8710 % contain only the (arabic) page number in the outside corner.
8711 %\newif\if@mainmatter \@mainmattertrue
8712 \renewcommand\frontmatter{%
8713   \cleardoublepage%
8714   \@mainmatterfalse%
8715   \pagenumbering{arabic}%
8716   %\pagestyle{plain}%
8717   \fancyhf{}%
8718   \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
8719     {\fancyhead[LE,RO]{\thepage}}%
8720     {\fancyhead[RE,RO]{\thepage}}%
8721   }
8722 %%
8723 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8724 % numbering---it continues where it left off in the front matter.
8725 \renewcommand\mainmatter{%
8726   \cleardoublepage%
8727   \@mainmattertrue%
8728   \fancyhf{}%
8729   \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
8730     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
8731     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8732     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
8733     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title

```



```

8734 }
8735 %%
8736 % The back matter contains appendices, indices, glossaries, endnotes,
8737 % bibliographies, list of contributors, illustration credits, etc.
8738 \renewcommand\backmatter{%
8739   \if@openright%
8740     \cleardoublepage%
8741   \else%
8742     \clearpage%
8743   \fi%
8744   \@mainmatterfalse%
8745 }
8746 %%
8747 % Only show the chapter titles in the table of contents
8748 \setcounter{tocdepth}{0}
8749 \AtBeginDocument{%
8750 \IfFileExists{biditufte-book.cfg}
8751   {\input{biditufte-book.cfg}
8752     \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
8753   {}%
8754 }

```

61 File bidipoem.sty

```

8755 \NeedsTeXFormat{LaTeX2e}
8756 \ProvidesPackage{bidipoem}%
8757 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8758
8759 % Usage:
8760 %
8761 % \Setversedim #1#2 % define the layout (within a group):
8762 % #1 = length of both half-verses
8763 % #2 = separation distance = length of a connection, if present
8764 % Variant:
8765 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8766 % #1 = length of first (=right) half-verse
8767 % #2 = length of second (=left) half-verse
8768 % #3 = separation distance = length of a connection, if present
8769 %
8770 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8771 % #1 = text of first (=right) half-verse
8772 % #2 = text of second (=left) half-verse
8773 % Variant:
8774 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8775 % #1 = text of first (=right) half-verse
8776 % #2 = text of connection
8777 % #3 = text of second (=left) half-verse
8778 %
8779 % Alternative (if preferred):
8780 %
8781 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8782
8783
8784 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}

```



```

8785
8786% define the layout, verses will be centered
8787
8788\newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8789\newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
8790
8791\newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
8792\bidipoem@hvind \textwidth
8793\bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8794\ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
8795\bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem
8796
8797\def \bidipoem@set@verseI [#1]{% optional parameter
8798\bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
8799
8800\newcommand*{\bidipoem@set@@verse}[1]{% separation
8801\advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
8802\advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8803
8804\newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8805\ifdim Opt > \bidipoem@hvind %
8806\bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
8807\else
8808\noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8809\bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8810\bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
8811\par }
8812
8813% macro for two half verses
8814\newcommand*{\traditionalhalfverses}[2]{% optional parameter?
8815\ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
8816\else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
8817\bidipoem@half@verses@next}
8818
8819\def \bidipoem@half@verses #1[#2]#3{% first[mid]second
8820\traditionalconnverses {#1}{#2}{#3}}
8821
8822
8823{\catcode\^^M=\active % these lines must end with %
8824 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
8825 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
8826{\catcode\^^M=\active % these lines must end with %
8827 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
8828 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
8829\def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
8830\def\poemmarginskip{1em plus 1fil minus 1em}
8831\def\poemextrabaseskip{0\baselineskip}
8832\def\poemskip{\medskip}
8833\newcommand{\bidipoem@openbox}{\leavevmode
8834 \hbox to.77778em{%
8835 \hfil\vrule
8836 \vbox to.675em{\hrule width.6em\vfil\hrule}%
8837 \vrule\hfil}}
8838\def\poemblocksep{\quad\hbox{\bidipoem@openbox}}

```



```

8839 \newdimen\versewidth
8840 \newtoks\bidipoem@p@ftn
8841 \def\poem@verse#1{%
8842 \ifdim\wd#1>\new@poem@width
8843 \xdef\new@poem@width{\the\wd#1}%
8844 \ifdim\new@poem@width>\poem@width
8845 \xdef\poem@width{\new@poem@width}%
8846 \global\let\poem@needrun\relax
8847 \fi
8848 \fi
8849 \hbox to\poem@width{\unhbox#1}%
8850 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
8851 }
8852 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmargin\skip\relax}
8853 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
8854 \def\poem@lineversesep{%
8855 \nobreak
8856 \hskip\z@ plus 1filll%
8857 \penalty600%
8858 \hskip\poemcolsepskip
8859 \hskip\z@ plus -2filll%
8860 \vadjust{}}%
8861 \nobreak
8862 \hskip\z@ plus 1filll%
8863 }
8864 \def\poem@lineparsebegin{%
8865 \halign\bgroup
8866 \global\setbox\verse@i=\hbox{%
8867 \let\@footnotetext\bidipoem@p@ftntext%
8868 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8869 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8870 \let\@xfootnotenext\bidipoem@p@xftntext%
8871 \let\@xfootnote\bidipoem@p@xfootnote%
8872 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8873 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8874 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8875 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8876 \ignorespaces##\unskip}&&
8877 \global\setbox\verse@ii=\hbox{%
8878 \let\@footnotetext\bidipoem@p@ftntext%
8879 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8880 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8881 \let\@xfootnotenext\bidipoem@p@xftntext%
8882 \let\@xfootnote\bidipoem@p@xfootnote%
8883 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8884 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8885 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8886 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8887 \ignorespaces##\unskip}
8888 \cr
8889 }
8890 \def\poem@lineparseend{%
8891 \crcr\egroup
8892 \vskip-\baselineskip

```



```

8893 }
8894 \def\traditionalpoem@cr{%
8895   \cr\poem@line
8896 }
8897 \newbox\verse@i
8898 \newbox\verse@ii
8899 \newif\ifpoem@started
8900
8901 \def\poem@line{%
8902 \poem@lineparseend
8903 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
8904 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
8905 \ifpoem@started
8906   \ifdim\wd\verse@ii>\z@\else
8907     \nopagebreak[3]
8908   \fi
8909   \leavevmode
8910   \poem@linebegin
8911   \poem@verse\verse@i
8912   \ifdim\wd\verse@ii>\z@
8913     \poem@lineversesep
8914     \poem@verse\verse@ii
8915   \fi
8916   \poem@lineend
8917 %   \nopagebreak
8918   \par
8919   \vskip\poemextrabaseskip
8920 \fi
8921 \poem@lineparsebegin
8922 }
8923 \def\@traditionalpoem{%
8924 \stepcounter{poem@no}
8925   \ifnum\max@poem@no<\number\c@poem@no%
8926 \xdef\poem@width{\z@}%
8927   \else
8928 \xdef\poem@width{\poem@prop{poem@width}}%
8929 \fi
8930 \xdef\new@poem@width{\z@}%
8931 \global\versewidth=\poem@width
8932 \poemskip\par
8933 \begingroup
8934 \tabskip=\z@
8935 \parskip=\z@
8936 \parindent=\z@
8937 \parfillskip=\z@
8938 \rightskip=\z@
8939 \leftskip=\z@
8940 \widowpenalty=10000% No break between verses of the same line.
8941 \clubpenalty=10000% Same as above. Not really needed.
8942 \def\newblock{\hfil\poemblocksep\hfil\null}%
8943 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
8944 \def\{\{\global\poem@startedtrue\traditionalpoem@cr\}%
8945 \global\poem@startedfalse
8946 \csname poem@obeylines\endcsname

```



```

8947 \let\poem@obeylines\relax
8948 \poem@lineparsebegin
8949 }
8950 \def\@endtraditionalpoem{%
8951 \cr
8952 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
8953 \noalign{%
8954 \skip0=\poemextrabaseskip
8955 \vskip-\skip0
8956 \vskip-\baseskip
8957 }%
8958 \fi\fi
8959 \poem@lineparseend
8960 \endgroup
8961 \par
8962 \vskip\baseskip
8963 \poemskip
8964 \ifdim\new@poem@width<\poem@width
8965 \global\let\poem@needrun\relax
8966 \fi
8967 \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
8968 \ifx\AtEndDocument\undefined\poem@finish\fi
8969 \@endparenv
8970 }
8971
8972
8973 \long\def\bidipoem@p@ftntext#1{%
8974 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
8975 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
8976 \long\def\bidipoem@p@LTRftntext#1{%
8977 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
8978 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
8979 \long\def\bidipoem@p@RTLftntext#1{%
8980 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
8981 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
8982
8983 \long\def\bidipoem@p@xftntext[#1]#2{%
8984 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
8985
8986 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
8987 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
8988
8989 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
8990 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
8991
8992 \def\bidipoem@p@xfootnote[#1]{%
8993 \begingroup
8994 \csname c@\mpfn\endcsname #1\relax
8995 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8996 \endgroup
8997 \@footnotemark\bidipoem@p@xftntext[#1]}
8998
8999 \def\bidipoem@p@xLTRfootnote[#1]{%
9000 \begingroup

```



```

9001      \csname c@\@mpfn\endcsname #1\relax
9002      \unrestored@protected@xdef\@thefnmark{\thempfn}%
9003      \endgroup
9004      \@footnotemark\bidipoem@p@xLTRftntext[#1]}
9005
9006 \def\bidipoem@p@xRTLfootnote[#1]{%
9007     \begingroup
9008     \csname c@\@mpfn\endcsname #1\relax
9009     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9010     \endgroup
9011     \@footnotemark\bidipoem@p@xRTLftntext[#1]}
9012
9013
9014
9015 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
9016 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey
9017 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
9018 \def\poem@finish{%
9019 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
9020 \ifx\poem@needrun\relax
9021 \PackageWarning{bidipoem}{Unjustified poem.  Rerun XeLaTeX to get poem right}%
9022 \global\let\poem@needrun\undefined
9023 \fi
9024 }
9025 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
9026 \newcounter{poem@no}\setcounter{poem@no}{\z@}
9027 \ifx\max@poem@no\undefined
9028     \def\max@poem@no{0}%
9029 \fi
9030 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
9031 \newcommand{\poem@write@aux}[2]{%
9032     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
9033     \@x
9034 }
9035 \def\@modernpoem{%
9036 \par
9037 \begingroup
9038 \parskip=\z@
9039 \parindent=\z@
9040 \def\[{ \@settab\@tabplus\ignorespaces}%
9041 \def\]\{ \@tabminus\ignorespaces}%
9042 \def\newblock{\poemblocksep}%
9043 \let\newpoem@tabcr\@tabcr
9044 \def\modernpoem@par{% Redefine \par for possible \obeylines
9045     \ifpoem@started\else
9046         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9047             \@stopfield
9048             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9049             \@contfield
9050         \fi
9051     \fi
9052     \ifpoem@started\newpoem@tabcr\fi}%
9053 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
9054 \global\poem@startedfalse

```




```

9055 \csname poem@obeylines\endcsname
9056 \let\poem@obeylines\relax
9057 \begin{tabbing}%
9058 }
9059 \def\@endmodernpoem{%
9060 \global\poem@startedfalse
9061 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9062   \@stopfield
9063   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9064   \@contfield
9065 \fi
9066 \ifpoem@started\else\let\@stopline\@stopfield\fi
9067 \end{tabbing}%
9068 \endgroup
9069 \par
9070 \if@nparlist \else
9071   \ifdim\lastskip >\z@
9072     \@tempskipa\lastskip \vskip -\lastskip
9073     \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
9074     \vskip\@tempskipa
9075   \fi
9076   \@endparenv
9077 \fi
9078 }
9079 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9080 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
9081 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9082 \gdef\@startfield{%
9083 \global\setbox\@curfield\hbox\bgroup%
9084 \let\@footnotetext\bidipoem@p@ftntext%
9085 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9086 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9087 \let\@xfootnotenext\bidipoem@p@xftntext%
9088 \let\@xfootnote\bidipoem@p@xfootnote%
9089 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9090 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9091 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9092 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9093 \color@begingroup}
9094 \gdef\@stopfield{%
9095 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
9096 \gdef\@contfield{%
9097 \global\setbox\@curfield\hbox\bgroup%
9098 \let\@footnotetext\bidipoem@p@ftntext%
9099 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9100 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9101 \let\@xfootnotenext\bidipoem@p@xftntext%
9102 \let\@xfootnote\bidipoem@p@xfootnote%
9103 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9104 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9105 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9106 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9107 \color@begingroup\unhbox\@curfield}

```



62 File boek3-xetex-bidi.def

```

9108 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeT
9109 \renewenvironment{theindex}{%
9110   \if@twocolumn
9111     \@restonecolfalse
9112   \else
9113     \@restonecoltrue
9114   \fi
9115   \columnseprule \z@
9116   \columnsep 35\p@
9117   \twocolumn[\@makeschapterhead{\indexname}]%
9118   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
9119   \thispagestyle{plain}\parindent\z@
9120   \parskip\z@ \@plus .3\p@\relax
9121   \let\item\@idxitem
9122 }{%
9123   \if@restonecol\onecolumn\else\clearpage\fi}
9124 \renewcommand*\head@style{%
9125   \interlinepenalty \@M
9126   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9127   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9128 \renewcommand*\@regtocline[3]{%
9129   \ifnum #1>\c@tocdepth
9130   \else
9131     \vskip\z@ \@plus .2\p@
9132     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9133     \if@RTL\rightskip\else\leftskip\fi\unitindent
9134     \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
9135     \parfillskip\z@
9136     \@tempdima\unitindent
9137     \parindent\z@
9138     \leavevmode
9139     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9140     \hskip 1em \nobreak{\slshape #3}\par
9141     }%
9142   \fi}
9143 \if@oldtoc
9144 \renewcommand*\l@part[2]{%
9145   \ifnum \c@tocdepth >-2\relax
9146     \addpenalty{-\@highpenalty}%
9147     \addvspace{2.25em \@plus\p@}%
9148     \begingroup
9149       \setlength\@tempdima{3em}%
9150       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9151       \parfillskip -\@pnumwidth
9152       {\leavevmode
9153         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9154         \nobreak
9155         \global\@nobreaktrue
9156         \everypar{\global\@nobreakfalse\everypar{}}%
9157       \endgroup
9158   \fi}
9159 \else

```



```

9160 \renewcommand*\l@part{%
9161 \ifnum \c@tocdepth >-2\relax
9162 \addpenalty{-\@highpenalty}%
9163 \addvspace{2.25em \@plus \p@}%
9164 \@regtocline{0}%
9165 \fi}
9166 \fi
9167 \if@oldtoc
9168 \renewcommand*\l@chapter[2]{%
9169 \addpenalty{-\@highpenalty}%
9170 \vskip 1.0em \@plus \p@
9171 \setlength\@tempdima{1.5em}%
9172 \begingroup
9173 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9174 \parfillskip -\@pnumwidth
9175 \leavevmode \bfseries
9176 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
9177 \hskip -\if@RTL\rightskip\else\leftskip\fi
9178 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9179 \penalty\@highpenalty
9180 \endgroup}
9181 \else
9182 \renewcommand*\l@chapter{\@regtocline{0}}
9183 \fi
9184 \renewenvironment{abstract}{%
9185 \titlepage
9186 \null\vfil
9187 \section*{\SectFont \abstractname}
9188 \noindent\ignorespaces}
9189 {\par\vfil\null\endtitlepage}
9190 \renewenvironment{thebibliography}[1]
9191 {\chapter*{\bibname}%
9192 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9193 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9194 \bidi@thebibliography@font@hook%
9195 \list{\@biblabel{\@arabic\c@enumiv}}%
9196 {\settowidth\labelwidth{\@biblabel{#1}}%
9197 \leftmargin\labelwidth
9198 \advance\leftmargin\labelsep
9199 \@openbib@code
9200 \usecounter{enumiv}%
9201 \let\p@enumiv\@empty
9202 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9203 \sloppy\clubpenalty4000\widowpenalty4000%
9204 \sfcode\.\@m}
9205 {\def\@noitemerr
9206 {\@latex@warning{Empty `thebibliography' environment}}}%
9207 \endlist}
9208 \renewcommand*\left@footnoterule{%
9209 \kern-3\p@
9210 \kern.5\baselineskip
9211 \hrule\@width\unitindent
9212 \kern.4\baselineskip
9213 }

```



```

9214 \renewcommand*\right@footnoterule{%
9215   \kern-3\p@
9216   \kern.5\baselineskip
9217   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9218   \kern.4\baselineskip}
9219 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9220 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9221 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9222 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9223 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9224 \renewcommand*\theequation{%
9225   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9226 \renewcommand*\thefigure{%
9227   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
9228 \renewcommand*\thetable{%
9229   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
9230 \renewcommand*\maketitle{%
9231   \begin{titlepage}%
9232     \let\footnotesize\small
9233     \let\right@footnoterule\relax
9234     \let\left@footnoterule\relax
9235     \let\textwidth\footnoterule\relax
9236     \let \footnote \thanks
9237     \long\def\@makefntext##1{\parindent\z@
9238       \def\labelitemi{\textendash}\@revlabeltrue
9239       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9240     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9241     \if@compatibility\setcounter{page}{0}\fi
9242     \null\vfil
9243     \vskip 60\p@
9244     \begin{center}%
9245       \TitleFont
9246       {\LARGE \def\\{\penalty -\@M}
9247         \if@allcaps
9248           \expandafter\uc@nothanks\@title\thanks\relax
9249         \else
9250           \@title
9251         \fi\par}%
9252     \vskip 3em%
9253     {\large
9254       \lineskip .75em \parindent\z@
9255       \begin{tabular}[t]{c}%
9256         \if@allcaps
9257           \expandafter\uc@authornothanks\@author\and\relax
9258         \else
9259           \@author
9260         \fi
9261       \end{tabular}\par}%
9262     \vskip 1.5em%
9263     {\large
9264       \if@allcaps
9265         \uppercase\expandafter{\@date}%
9266       \else
9267         \@date

```



```

9268         \fi\par}%
9269     \end{center}\par
9270     \@thanks
9271     \vfil\null
9272 \end{titlepage}%
9273 \setcounter{footnote}{0}%
9274 \global\let\thanks\relax
9275 \global\let\maketitle\relax
9276 \global\let\@thanks\@empty
9277 \global\let\@author\@empty
9278 \global\let\@title\@empty
9279 \global\let\@date\@empty
9280 \global\let\title\relax
9281 \global\let\author\relax
9282 \global\let\date\relax
9283 \global\let\and\relax
9284 }

```

63 File boek-xetex-bidi.def

```

9285 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
9286 \renewenvironment{theindex}{%
9287     \if@twocolumn
9288         \@restonecolfalse
9289     \else
9290         \@restonecoltrue
9291     \fi
9292     \columnseprule \z@
9293     \columnsep 35\p@
9294     \twocolumn[\@makeschapterhead{\indexname}]%
9295     \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9296     \thispagestyle{plain}\parindent\z@
9297     \parskip\z@ \@plus .3\p@\relax
9298     \let\item\@idxitem
9299 }{%
9300     \if@restonecol\onecolumn\else\clearpage\fi}
9301 \renewcommand*{\head@style}{%
9302     \interlinepenalty \@M
9303     \hyphenpenalty=\@M \exhyphenpenalty=\@M
9304     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9305 \renewcommand*{\@regtocline}[3]{%
9306     \ifnum #1>\c@tocdepth
9307     \else
9308         \vskip\z@\@plus.2\p@
9309         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9310         \if@RTL\rightskip\else\leftskip\fi\unitindent
9311         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9312         \parfillskip\z@
9313         \@tempdima\unitindent
9314         \parindent\z@
9315         \leavevmode
9316         \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9317         \hskip 1em \nobreak{\slshape #3}\par
9318     }%

```



```

9319 \fi}
9320 \if@oldtoc
9321 \renewcommand*\l@part[2]{%
9322 \ifnum \c@tocdepth >-2\relax
9323 \addpenalty{-\@highpenalty}%
9324 \addvspace{2.25em \@plus\p@}%
9325 \begingroup
9326 \setlength\@tempdima{3em}%
9327 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9328 \parfillskip -\@pnumwidth
9329 {\leavevmode
9330 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9331 \nobreak
9332 \global\@nobreaktrue
9333 \everypar{\global\@nobreakfalse\everypar{}}%
9334 \endgroup
9335 \fi}
9336 \else
9337 \renewcommand*\l@part{%
9338 \ifnum \c@tocdepth >-2\relax
9339 \addpenalty{-\@highpenalty}%
9340 \addvspace{2.25em \@plus \p@}%
9341 \@regtocline{0}%
9342 \fi}
9343 \fi
9344 \if@oldtoc
9345 \renewcommand*\l@chapter[2]{%
9346 \addpenalty{-\@highpenalty}%
9347 \vskip 1.0em \@plus\p@
9348 \setlength\@tempdima{1.5em}%
9349 \begingroup
9350 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9351 \parfillskip -\@pnumwidth
9352 \leavevmode \bfseries
9353 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9354 \hskip -\if@RTL\rightskip\else\leftskip\fi
9355 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9356 \penalty\@highpenalty
9357 \endgroup}
9358 \else
9359 \renewcommand*\l@chapter{\@regtocline{0}}
9360 \fi
9361 \renewcommand*\left@footnoterule{%
9362 \kern-3\p@
9363 \kern.5\baselineskip
9364 \hrule\@width\unitindent
9365 \kern.4\baselineskip
9366 }
9367 \renewcommand*\right@footnoterule{%
9368 \kern-3\p@
9369 \kern.5\baselineskip
9370 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9371 \kern.4\baselineskip}
9372 \renewenvironment{abstract}{%

```



```

9373 \titlepage
9374 \null\vfil
9375 \section*{\SectFont \abstractname}
9376 \noindent\ignorespaces}
9377 {\par\vfil\null\endtitlepage}
9378 \renewenvironment{thebibliography}[1]
9379 {\chapter*{\bibname}%
9380 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9381 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
9382 \bidi@thebibliography@font@hook%
9383 \list{\@biblabel{\@arabic\c@enumiv}}%
9384 {\settowidth\labelwidth{\@biblabel{#1}}%
9385 \leftmargin\labelwidth
9386 \advance\leftmargin\labelsep
9387 \@openbib@code
9388 \usecounter{enumiv}%
9389 \let\p@enumiv\@empty
9390 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9391 \sloppy\clubpenalty4000\widowpenalty4000%
9392 \sfcode`. \@m}
9393 {\def\@noitemerr
9394 {\@latex@warning{Empty `thebibliography' environment}}}%
9395 \endlist}
9396 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9397 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9398 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9399 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9400 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9401 \renewcommand*\theequation{%
9402 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9403 \renewcommand*\thefigure{%
9404 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
9405 \renewcommand*\thetable{%
9406 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
9407 \renewcommand*\maketitle{%
9408 \begin{titlepage}%
9409 \let\footnotesize\small
9410 \let\right@footnoterule\relax
9411 \let\left@footnoterule\relax
9412 \let\textwidth\footnoterule\relax
9413 \let \footnote \thanks
9414 \long\def\@makefnmark{\parindent\z@
9415 \def\labelitemi{\textendash}\@revlabeltrue
9416 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9417 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9418 \ifcompatibility\setcounter{page}{0}\fi
9419 \null\vfil
9420 \vskip 60\p@
9421 \begin{center}%
9422 \TitleFont
9423 {\LARGE \def\\{\penalty -\@M}
9424 \if@allcaps
9425 \expandafter\uc@nothanks\@title\thanks\relax
9426 \else

```



```

9427         \@title
9428         \fi\par}%
9429     \vskip 3em%
9430     {\large
9431         \lineskip .75em \parindent\z@
9432         \begin{tabular}[t]{c}%
9433             \if@allcaps
9434                 \expandafter\uc@authornothanks\@author\and\relax
9435             \else
9436                 \@author
9437             \fi
9438         \end{tabular}\par}%
9439     \vskip 1.5em%
9440     {\large
9441         \if@allcaps
9442             \uppercase\expandafter{\@date}%
9443         \else
9444             \@date
9445         \fi\par}%
9446     \end{center}\par
9447     \@thanks
9448     \vfil\null
9449 \end{titlepage}%
9450 \setcounter{footnote}{0}%
9451 \global\let\thanks\relax
9452 \global\let\maketitle\relax
9453 \global\let\@thanks\@empty
9454 \global\let\@author\@empty
9455 \global\let\@title\@empty
9456 \global\let\@date\@empty
9457 \global\let\title\relax
9458 \global\let\author\relax
9459 \global\let\date\relax
9460 \global\let\and\relax
9461 }

```

64 File `bookest-xetex-bidi.def`

```

9462 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
9463 \def\@makechapterhead#1{%
9464     \vspace*{20\p@}
9465     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9466         \ifnum \c@secnumdepth >\m@ne
9467             \if@mainmatter
9468                 {\colorA\huge\scshape \@chapapp\space \thechapter}
9469                 \par\nobreak
9470                 \vskip 10\p@
9471             \fi
9472         \fi
9473         \interlinepenalty\@M
9474     {\colorB\hrule}
9475     \vskip 15\p@
9476     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9477         {\colorA\Huge \bfseries #1}\par\nobreak

```




```

9478 \if@RTL\end{flushleft}\else\end{flushright}\fi
9479 \vskip 5\p@
9480 {\colorB\hrule}
9481 \vskip 30\p@
9482 }}
9483 \def\@makeschapterhead#1{%
9484 \vspace*{20\p@}
9485 {\parindent \z@ \raggedright \normalfont
9486 {\colorB\hrule}
9487 \vskip 15\p@
9488 \begin{center}
9489 {\colorA\Huge \bfseries #1}\par\nobreak
9490 \end{center}
9491 \vskip 5\p@
9492 {\colorB\hrule}
9493 \vskip 30\p@
9494 }}

```

65 File book-xetex-bidi.def

```

9495 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class]
9496 \renewenvironment{theindex}
9497     {\if@twocolumn
9498       \@restonecolfalse
9499       \else
9500         \@restonecoltrue
9501       \fi
9502       \columnseprule \z@
9503       \columnsep 35\p@
9504       \twocolumn[\@makeschapterhead{\indexname}]%
9505       \@mkboth{\MakeUppercase\indexname}%
9506               {\MakeUppercase\indexname}%
9507       \thispagestyle{plain}\parindent\z@
9508       \parskip\z@ \@plus .3\p@\relax
9509       \let\item\@idxitem}
9510     {\if@restonecol\onecolumn\else\clearpage\fi}
9511 \ifclassloaded{bookest}{\fi}%
9512 \if@titlepage
9513 \renewcommand\maketitle{\begin{titlepage}%
9514 \let\footnotesize\small
9515 \let\right@footnoterule\relax
9516 \let\left@footnoterule\relax
9517 \let\textwidth@footnoterule\relax
9518 \let \footnote \thanks
9519 \let \LTRfootnote \LTRthanks
9520 \let \RTLfootnote \RTLthanks
9521 \null\vfil
9522 \vskip 60\p@
9523 \begin{center}%
9524 {\LARGE \@title \par}%
9525 \vskip 3em%
9526 {\large
9527 \lineskip .75em%
9528 \begin{tabular}[t]{c}%

```



```

9529         \@author
9530     \end{tabular}\par}%
9531     \vskip 1.5em%
9532     {\large \@date \par}%           % Set date in \large size.
9533 \end{center}\par
9534 \@thanks
9535 \vfil\null
9536 \end{titlepage}%
9537 \setcounter{footnote}{0}%
9538 \global\let\thanks\relax
9539 \global\let\LTRthanks\relax
9540 \global\let\RTLthanks\relax
9541 \global\let\maketitle\relax
9542 \global\let\@thanks\@empty
9543 \global\let\@author\@empty
9544 \global\let\@date\@empty
9545 \global\let\@title\@empty
9546 \global\let\title\relax
9547 \global\let\author\relax
9548 \global\let\date\relax
9549 \global\let\and\relax
9550 }
9551 \else
9552 \renewcommand\maketitle{\par
9553     \begingroup
9554         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9555         \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9556         \long\def\@makefntext##1{\parindent 1em\noindent
9557             \hb@xt@1.8em{%
9558                 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9559         \if@twocolumn
9560             \ifnum \col@number=\@one
9561                 \@maketitle
9562             \else
9563                 \twocolumn[\@maketitle]%
9564             \fi
9565         \else
9566             \newpage
9567             \global\@topnum\z@   % Prevents figures from going at top of page.
9568             \@maketitle
9569         \fi
9570         \thispagestyle{plain}\@thanks
9571     \endgroup
9572     \setcounter{footnote}{0}%
9573     \global\let\thanks\relax
9574     \global\let\LTRthanks\relax
9575     \global\let\RTLthanks\relax
9576     \global\let\maketitle\relax
9577     \global\let\@maketitle\relax
9578     \global\let\@thanks\@empty
9579     \global\let\@author\@empty
9580     \global\let\@date\@empty
9581     \global\let\@title\@empty
9582     \global\let\title\relax

```



```

9583 \global\let\author\relax
9584 \global\let\date\relax
9585 \global\let\and\relax
9586 }
9587 \def\@maketitle{%
9588 \newpage
9589 \null
9590 \vskip 2em%
9591 \begin{center}%
9592 \let \footnote \thanks
9593 \let \LTRfootnote \LTRthanks
9594 \let \RTLfootnote \RTLthanks
9595 {\LARGE \@title \par}%
9596 \vskip 1.5em%
9597 {\large
9598 \lineskip .5em%
9599 \begin{tabular}[t]{c}%
9600 \@author
9601 \end{tabular}\par}%
9602 \vskip 1em%
9603 {\large \@date}%
9604 \end{center}%
9605 \par
9606 \vskip 1.5em}
9607 \fi}
9608 \renewcommand*\l@part[2]{%
9609 \ifnum \c@tocdepth >-2\relax
9610 \addpenalty{-\@highpenalty}%
9611 \addvspace{2.25em \@plus\p}%
9612 \setlength\@tempdima{3em}%
9613 \begingroup
9614 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9615 \parfillskip -\@pnumwidth
9616 {\leavevmode
9617 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9618 \nobreak
9619 \global\@nobreaktrue
9620 \everypar{\global\@nobreakfalse\everypar{}}%
9621 \endgroup
9622 \fi}
9623 \renewcommand*\l@chapter[2]{%
9624 \ifnum \c@tocdepth >\m@ne
9625 \addpenalty{-\@highpenalty}%
9626 \vskip 1.0em \@plus\p@
9627 \setlength\@tempdima{1.5em}%
9628 \begingroup
9629 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9630 \parfillskip -\@pnumwidth
9631 \leavevmode \bfseries
9632 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9633 \hskip -\if@RTL\rightskip\else\leftskip\fi
9634 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9635 \penalty\@highpenalty
9636 \endgroup

```



```

9637 \fi}
9638 \renewcommand\left@footnoterule{%
9639 \kern-3\p@
9640 \hrule\@width.4\columnwidth
9641 \kern2.6\p@}
9642 \renewcommand\right@footnoterule{%
9643 \kern-3\p@
9644 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9645 \kern2.6\p@}
9646 \renewcommand\theequation
9647 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9648 \renewcommand \thefigure
9649 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9650 \renewcommand \thetable
9651 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9652 \renewcommand \thechapter {\@arabic\c@chapter}
9653 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9654 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9655 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9656 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9657 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9658 \def\@makechapterhead#1{%
9659 \vspace*{50\p@}%
9660 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9661 \ifnum \c@secnumdepth >\m@ne
9662 \if@mainmatter
9663 \huge\bfseries \@chapapp\space \thechapter
9664 \par\nobreak
9665 \vskip 20\p@
9666 \fi
9667 \fi
9668 \interlinepenalty\@M
9669 \Huge \bfseries #1\par\nobreak
9670 \vskip 40\p@
9671 }}
9672 \def\@makeschapterhead#1{%
9673 \vspace*{50\p@}%
9674 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9675 \normalfont
9676 \interlinepenalty\@M
9677 \Huge \bfseries #1\par\nobreak
9678 \vskip 40\p@
9679 }}
9680 \renewcommand\backmatter{%
9681 \if@openright
9682 \cleardoublepage
9683 \else
9684 \clearpage
9685 \fi
9686 \@mainmatterfalse}
9687 \renewenvironment{thebibliography}[1]
9688 {\chapter*{\bibname}%
9689 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9690 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

9691 \bidi@thebibliography@font@hook%
9692 \list{\@biblabel{\@arabic\c@enumiv}}%
9693     {\settowidth\labelwidth{\@biblabel{#1}}%
9694      \leftmargin\labelwidth
9695      \advance\leftmargin\labelsep
9696      \@openbib@code
9697      \usecounter{enumiv}}%
9698      \let\p@enumiv\@empty
9699      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9700 \sloppy
9701 \clubpenalty4000
9702 \@clubpenalty \clubpenalty
9703 \widowpenalty4000%
9704 \sfcode`. \m}
9705 {\def\@noitemerr
9706   {\@latex@warning{Empty `thebibliography' environment}}}%
9707 \endlist}

```

66 File breqn-xetex-bidi.def

```

9708 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
9709 \def\@dmath[#1]{\ifRTL\@RTLfalse\fi%
9710 \everydisplay\expandafter{\the\everydisplay \display@setup}%
9711 \ifnoskipsec \leavevmode \fi
9712 \ifinlabel \leavevmode \global\@inlabelfalse \fi
9713 \if\eq@group\else\eq@prelim\fi
9714 \setkeys{breqn}{#1}%
9715 \the\eqstyle
9716 \eq@setnumber
9717 \begingroup
9718 \eq@setup@a
9719 \eq@startup
9720 }
9721 \def\@dgroup[#1]{\ifRTL\@RTLfalse\fi%
9722 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9723 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
9724 \global\let\GRP@label\@empty
9725 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
9726 \global\grp@linewidth\z@\global\grp@wdNum\z@
9727 \global\let\grp@eqs@numbered\@False
9728 \global\let\grp@aligned\@True
9729 \global\let\grp@shiftnumber\@False
9730 \eq@prelim
9731 \setkeys{breqn}{#1}%
9732 \if\grp@hasNumber \grp@setnumber \fi
9733 }
9734 \def\@dseries[#1]{\ifRTL\@RTLfalse\fi%
9735 \let\display@setup\dseries@display@setup
9736 % Question: should this be the default for dseries???
9737 \global\eq@wdCond\z@
9738 \@dmath[layout={M},#1]%
9739 \mathsurround\z@\@math \penalty\@Mi
9740 \let\endmath\ends@math
9741 \def\premath{%

```



```

9742 \ifdim\lastskip<.3em \unskip
9743 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9744 }%
9745 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9746 \ignorespaces
9747 }
9748 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9749 \renewenvironment{dsuspend}{}%
9750 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9751 \parshape 1 \displayindent \displaywidth\relax
9752 \hsize=\columnwidth \noindent\ignorespaces
9753 }{%
9754 \par\egroup
9755 \global\setbox\GRP@box\vbox{%
9756 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
9757 \unvbox\GRP@box
9758 }%
9759 \global\GRP@queue\@xp{\the\GRP@queue
9760 \@elt{\let\eq@isIntertext\@True}}%
9761 }%
9762 }

```

67 File cals-xetex-bidi.def

```

9763 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeT
9764 \renewcommand\cals@setup@alignment[1]{%
9765 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9766 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9767 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9768 }
9769 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
9770 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9771 \if@RTLtab\cals@activate@rtl\fi
9772 \let\cals@thead@tokens=\relax
9773 \let\cals@tfoot@tokens=\relax
9774 \let\cals@tbody@tokens=\relax
9775 \cals@tfoot@height=0pt \relax
9776 \let\cals@last@context=n%
9777 \let\cals@current@context=b%
9778 \parindent=0pt \relax%
9779 \cals@setup@alignment{#1}%
9780 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
9781 %% Alignment inside is independent on center/flushright outside
9782 \parfillskip=0pt plus1fil\relax
9783 \let\cals@borderL=\relax
9784 \let\cals@borderR=\relax
9785 \let\cals@borderT=\relax
9786 \let\cals@borderB=\relax
9787 \setbox\cals@backup@row=\box\voidb@x\relax
9788 \cals@AtBeginTable
9789 }{% End of the table
9790 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
9791 \renewcommand\alignL{%
9792 \if@RTLtab

```



```

9793 \cals@vfillAdd\cals@paddingL
9794 \else
9795 \cals@vfillDrop\cals@paddingL
9796 \fi
9797 \cals@vfillDrop\cals@paddingR}
9798 \renewcommand\alignR{%
9799 \if@RTLtab
9800 \cals@vfillDrop\cals@paddingL
9801 \else
9802 \cals@vfillAdd\cals@paddingL
9803 \fi
9804 \cals@vfillDrop\cals@paddingR}

```

68 File caption-xetex-bidi.def

```

9805 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package f
9806 \let\makecaption\caption@makecaption

```

69 File caption3-xetex-bidi.def

```

9807 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
9808 \renewcommand*\caption@par{%
9809 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

70 File colortbl-xetex-bidi.def

```

9810 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
9811 \def\CT@setup{%
9812 \@tempdimb\col@sep
9813 \@tempdimc\col@sep
9814 \def\CT@color{%
9815 \global\let\CT@do@color\CT@@do@color
9816 \bidicolor}}
9817 \def\@classz{\@classx
9818 \@tempcnta\count@
9819 \prepnext@tok
9820 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
9821 \@addtopreamble{\if@RTLtab\beginL\fi%
9822 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
9823 \ifcase \@chnum
9824 \hskip\stretch{.5}\kern\z@
9825 \d@llarbegin
9826 \insert@column
9827 \d@llarend\hskip\stretch{.5}\or
9828 \d@llarbegin \insert@column \d@llarend \hfill \or
9829 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
9830 $\vcenter
9831 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
9832 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
9833 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
9834 \fi
9835 \if@RTLtab\endR\fi\egroup\egroup
9836 \begingroup
9837 \CT@setup

```



```

9838 \CT@column@color
9839 \CT@row@color
9840 \CT@cell@color
9841 \CT@do@color
9842 \endgroup
9843 \@tempdima\ht\z@
9844 \advance\@tempdima\minrowclearance
9845 \vrule\@height\@tempdima\@width\z@
9846 \unhbox\z@\if@RTLtab\endL\fi}%
9847 \prepnext@tok}

```

71 File color-xetex-bidi.def

```

9848 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
9849 \long\def\color@box#1#2#3{%
9850 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
9851 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
9852 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
9853 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
9854 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
9855 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
9856 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
9857 \DeclareRobustCommand\color{%
9858 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}%
9859 \def\@declaredcolor#1{%
9860 \@ifundefined{\string\color @#1}%
9861 {\c@lor@error{`#1'}}%
9862 {\expandafter\let\expandafter\current@color
9863 \csname\string\color @#1\endcsname
9864 \set@color}%
9865 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9866 \def\@undeclaredcolor[#1]#2{%
9867 \@ifundefined{color@#1}%
9868 {\c@lor@error{model `#1'}}%
9869 {\csname color@#1\endcsname\current@color{#2}%
9870 \set@color}%
9871 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9872 \DeclareRobustCommand\bidicolor{%
9873 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
9874 \def\@bidiundeclaredcolor[#1]#2{%
9875 \@ifundefined{color@#1}%
9876 {\c@lor@error{model `#1'}}%
9877 {\csname color@#1\endcsname\current@color{#2}%
9878 \set@color}%
9879 \ignorespaces}
9880 \def\@bidideclaredcolor#1{%
9881 \@ifundefined{\string\color @#1}%
9882 {\c@lor@error{`#1'}}%
9883 {\expandafter\let\expandafter\current@color
9884 \csname\string\color @#1\endcsname
9885 \set@color}%
9886 \ignorespaces}
9887 \def\color@box#1#2{\color@box\relax{\bidicolor#1{#2}}}
9888 \def\color@fbbox#1#2#3{%

```




```

9889 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}
9890 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

72 File combine-xetex-bidi.def

```

9891 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
9892 \renewcommand{\c@ll@chapsecii}[2]{%
9893 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
9894 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
9895 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9896 }
9897 \renewcommand{\c@ll@chapseci}{%
9898 \setlength\@tempdima{0em}%
9899 \begingroup
9900 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9901 \parfillskip -\@pnumwidth
9902 \leavevmode
9903 }
9904 \renewenvironment{tocindent}[1]{%
9905 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

73 File crop-xetex-bidi.def

```

9906 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeT
9907 \renewcommand*\CROP@ulc{%
9908 \if@RTLmain%
9909 \begin{picture}(0,0)
9910 \unitlength\p@\thinline
9911 \put(-40,0){\circle{10}}
9912 \put(-30,-5){\line(0,1){10}}
9913 \put(-35,0){\line(1,0){30}}
9914 \put(-10,30){\circle{10}}
9915 \put(-5,30){\line(1,0){10}}
9916 \put(0,35){\line(0,-1){30}}
9917 \end{picture}%
9918 \else%
9919 \begin{picture}(0,0)
9920 \unitlength\p@\thinline
9921 \put(-30,0){\circle{10}}
9922 \put(-30,-5){\line(0,1){10}}
9923 \put(-35,0){\line(1,0){30}}
9924 \put(0,30){\circle{10}}
9925 \put(-5,30){\line(1,0){10}}
9926 \put(0,35){\line(0,-1){30}}
9927 \end{picture}%
9928 \fi%
9929 }
9930 \renewcommand*\CROP@urc{%
9931 \if@RTLmain%
9932 \begin{picture}(0,0)
9933 \unitlength\p@\thinline
9934 \put(20,0){\circle{10}}
9935 \put(30,-5){\line(0,1){10}}
9936 \put(35,0){\line(-1,0){30}}

```



```

9937         \put(-10,30){\circle{10}}
9938         \put(-5,30){\line(1,0){10}}
9939         \put(0,35){\line(0,-1){30}}
9940     \end{picture}%
9941 \else%
9942     \begin{picture}(0,0)
9943         \unitlength\p@\thinline
9944         \put(30,0){\circle{10}}
9945         \put(30,-5){\line(0,1){10}}
9946         \put(35,0){\line(-1,0){30}}
9947         \put(0,30){\circle{10}}
9948         \put(-5,30){\line(1,0){10}}
9949         \put(0,35){\line(0,-1){30}}
9950     \end{picture}%
9951 \fi%
9952 }
9953 \renewcommand*\CROP@llc{%
9954     \if@RTLmain%
9955         \begin{picture}(0,0)
9956             \unitlength\p@\thinline
9957             \put(-40,0){\circle{10}}
9958             \put(-30,-5){\line(0,1){10}}
9959             \put(-35,0){\line(1,0){30}}
9960             \put(-10,-30){\circle{10}}
9961             \put(-5,-30){\line(1,0){10}}
9962             \put(0,-35){\line(0,1){30}}
9963         \end{picture}%
9964     \else%
9965         \begin{picture}(0,0)
9966             \unitlength\p@\thinline
9967             \put(-30,0){\circle{10}}
9968             \put(-30,-5){\line(0,1){10}}
9969             \put(-35,0){\line(1,0){30}}
9970             \put(0,-30){\circle{10}}
9971             \put(-5,-30){\line(1,0){10}}
9972             \put(0,-35){\line(0,1){30}}
9973         \end{picture}%
9974     \fi%
9975 }
9976 \renewcommand*\CROP@lrc{%
9977     \if@RTLmain%
9978         \begin{picture}(0,0)
9979             \unitlength\p@\thinline
9980             \put(20,0){\circle{10}}
9981             \put(30,-5){\line(0,1){10}}
9982             \put(35,0){\line(-1,0){30}}
9983             \put(-10,-30){\circle{10}}
9984             \put(-5,-30){\line(1,0){10}}
9985             \put(0,-35){\line(0,1){30}}
9986         \end{picture}%
9987     \else%
9988         \begin{picture}(0,0)
9989             \unitlength\p@\thinline
9990             \put(30,0){\circle{10}}

```



```

9991      \put(30,-5){\line(0,1){10}}
9992      \put(35,0){\line(-1,0){30}}
9993      \put(0,-30){\circle{10}}
9994      \put(-5,-30){\line(1,0){10}}
9995      \put(0,-35){\line(0,1){30}}
9996  \end{picture}%
9997  \fi%
9998 }
9999 \@ifpackagewith{crop}{cam}{%
10000 \CROP@execopt{cam}%
10001 }{}

```

74 File cutwin-xetex-bidi.def

```

10002 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
10003 \renewcommand*{\c@twcompctr}[2]{%
10004   \def\c@twfirst{1}
10005   \loop\advance\c@twwinlines\m@ne
10006   \setbox\c@twslicea=\vsplit#1 to\baselineskip
10007   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
10008   \c@twprune{\c@twslicea}{\c@twlftside}%
10009   \c@twprune{\c@twsliceb}{\c@twrtside}%
10010   \ifnum\c@twfirst=\@ne
10011     \setbox#2=\vbox{\unvbox#2\hbox
10012       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
10013     \else
10014       \setbox#2=\vbox{\unvbox#2\hbox
10015       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@tw
10016     \fi
10017   \def\c@twfirst{2}
10018   \ifnum\c@twwinlines>\z@\repeat}
10019 \renewcommand*{\c@twcompodctr}[2]{%
10020   \def\c@twrounds{1}
10021   \def\c@twfirst{1}
10022   \@for\c@twlspec:=\c@twb\do{%
10023     \ifnum\c@twrounds=1
10024       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
10025       \c@twprune{\c@twslicea}{\c@twlspec}%
10026       \def\c@twrounds{2}
10027     \else
10028       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
10029       \c@twprune{\c@twsliceb}{\c@twlspec}%
10030       \ifnum\c@twfirst=1
10031         \setbox#2=\vbox{\unvbox#2\hbox
10032           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@tw
10033         \def\c@twfirst{2}
10034       \else
10035         \setbox#2=\vbox{\unvbox#2\hbox
10036           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\el
10037       \fi
10038     \def\c@twrounds{1}
10039   \fi}}

```



75 File cuted-xetex-bidi.def

```

10040 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for Xe
10041
10042 \def\RTL@outputdblcol{%
10043   \if@firstcolumn
10044     \global\@firstcolumnfalse
10045     \global\setbox\@leftcolumn\copy\@outputbox
10046     \splitmaxdepth\maxdimen
10047     \vbadness\maxdimen
10048     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10049     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10050     \toks@{\expandafter{\topmark}}%
10051     \xdef\@firstcoltopmark{\the\toks@}%
10052     \toks@\expandafter{\splitfirstmark}%
10053     \xdef\@firstcolfirstmark{\the\toks@}%
10054     \ifx\@firstcolfirstmark\@empty
10055       \global\let\@setmarks\relax
10056     \else
10057       \gdef\@setmarks{%
10058         \let\firstmark\@firstcolfirstmark
10059         \let\topmark\@firstcoltopmark}%
10060     \fi
10061   \else
10062     \global\@firstcolumntrue
10063     \setbox\@outputbox\vbox{%
10064       \hb@xt@\textwidth{%
10065         \hskip \columnwidth
10066         \hfil
10067         {\normalcolor\vrule \@width\columnseprule}%
10068         \hfil
10069         \hb@xt@\columnwidth{%
10070           \bidi@firstcolumn@status@write%
10071           \box\@leftcolumn \hss}%
10072         \hskip -\textwidth
10073         \hb@xt@\columnwidth{%
10074           \bidi@lastcolumn@status@write%
10075           \box\@outputbox \hss}%
10076         \hskip \columnsep
10077         \hskip \columnwidth }}%
10078     \ifvoid\hold@viper
10079     \else
10080       \setbox\@outputbox \vbox to\textheight{%
10081         \box\hold@viper
10082         \box\@outputbox
10083         \vss
10084       }%
10085     \fi
10086   \@combinedblfloats
10087   \@setmarks
10088   \@outputpage
10089   \begingroup
10090   \@dblfloatplacement
10091   \@startdblcolumn

```



```

10092     \@whiles\if@fcolmade \fi{\@outputpage
10093     \@startdblcolumn}%
10094     \ifvoid\@viper
10095     \else
10096         \global\setbox\@viper\vbox{%
10097             \vskip-\stripsep
10098             \unvbox\@viper
10099             }%
10100         \@viperoutput
10101     \fi
10102 \endgroup
10103 \fi}%
10104
10105 \def\LTR@outputdblcol{%
10106     \if@firstcolumn
10107         \global\@firstcolumnfalse
10108         \global\setbox\@leftcolumn\copy\@outputbox
10109         \splitmaxdepth\maxdimen
10110         \vbadness\maxdimen
10111         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10112         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10113         \toks@\expandafter{\topmark}%
10114         \xdef\@firstcoltopmark{\the\toks@}%
10115         \toks@\expandafter{\splitfirstmark}%
10116         \xdef\@firstcolfirstmark{\the\toks@}%
10117         \ifx\@firstcolfirstmark\@empty
10118             \global\let\@setmarks\relax
10119         \else
10120             \gdef\@setmarks{%
10121                 \let\firstmark\@firstcolfirstmark
10122                 \let\topmark\@firstcoltopmark}%
10123         \fi
10124     \else
10125         \global\@firstcolumntrue
10126         \setbox\@outputbox\vbox{%
10127             \hb@xt@\textwidth{%
10128                 \hb@xt@\columnwidth{%
10129                     \bidi@firstcolumn@status@write%
10130                     \box\@leftcolumn \hss}%
10131                 \hfil
10132                 {\normalcolor\vrule \@width\columnseprule}%
10133                 \hfil
10134                 \hb@xt@\columnwidth{%
10135                     \bidi@lastcolumn@status@write%
10136                     \box\@outputbox \hss}}}%
10137         \ifvoid\hold@viper
10138         \else
10139             \setbox\@outputbox \vbox to\textheight{%
10140                 \box\hold@viper
10141                 \box\@outputbox
10142                 \vss
10143                 }%
10144         \fi
10145     \@combinedblfloats

```



```

10146 \setmarks
10147 \outputpage
10148 \beginngroup
10149 \@dblfloatplacement
10150 \startdblcolumn
10151 \@whiles\if@fcolmade \fi{\@outputpage
10152 \startdblcolumn}%
10153 \ifvoid\@viper
10154 \else
10155 \global\setbox\@viper\vbox{%
10156 \vskip-\stripsep
10157 \unvbox\@viper
10158 }%
10159 \@viperoutput
10160 \fi
10161 \endgroup
10162 \fi}%
10163
10164 \def\@addviper{%
10165 \insertfalse
10166 \def\var@@thecol@num{2}%
10167 \if@firstcolumn
10168 \def\var@@thecol@num{1}%
10169 \@reqcolroom=.5\@pageht
10170 \ht@viper=\@reqcolroom
10171 \advance\@reqcolroom by\ht\@viper
10172 \advance\@reqcolroom by\stripsep
10173 \else
10174 \@reqcolroom=\@colht
10175 \advance\@reqcolroom by\@pageht
10176 \ht@viper.5\@reqcolroom
10177 \@reqcolroom=\ht@viper
10178 \advance\@reqcolroom by\ht\@viper
10179 \advance\@reqcolroom by\stripsep
10180 \global\setbox\@holdpg\vbox{%
10181 \setbox\cuted@tempbox@a\vbox{%
10182 \aftergroup\unvbox
10183 \unvcopy\@leftcolumn
10184 \unskip\unkern\unpenalty
10185 \setbox\@tempbox@a\lastbox
10186 \ifdim\dimexpr\ht\@tempbox+a\wd\@tempbox+a\dp\@tempbox>\z@
10187 %% keeps lastbox
10188 \aftergroup\@leftcolumn
10189 \else
10190 %% removes lastbox
10191 \aftergroup\cuted@tempbox@a
10192 \fi
10193 }%
10194 \unskip\unkern\unpenalty
10195 \on@stripcols@break
10196 \the\At@ViperColsBreak
10197 \unvbox\@holdpg
10198 }%
10199 \global\At@ViperColsBreak{}}%

```



```

10200      \ht@viper=.5\ht\@holdpg
10201      \ifdim\ht@viper>\@colht
10202          \ht@viper=\@colht
10203      \fi
10204  \fi
10205  %%
10206  %% calculations for breaking
10207  %%
10208  \ifvoid\hold@viper
10209      \ht@hold@viper=\z@
10210  \else
10211      \ht@hold@viper=\ht\hold@viper
10212  \fi
10213  \cuted@@tempdim@b\ht@viper
10214  \set@split@topskip@to\topskip
10215  \loop
10216      \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
10217      \setbox\cuted@@varbox@a\copy\@holdpg
10218      \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
10219      %% set leftcolumn boxes
10220      \setbox\cuted@@tempbox@c\vbox{\unvbox\cuted@@tempbox@a}%
10221      \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10222      \xdef\var@@leftcolumn@badness{\the\badness}%
10223      %% set rightcolumn boxes
10224      \setbox\cuted@@varbox@c\vbox{\unvbox\cuted@@varbox@a}%
10225      \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10226      \xdef\var@@rightcolumn@badness{\the\badness}%
10227      %% analyzing split goodness
10228      \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10229      \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10230      \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10231      \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
10232      \cuted@@wlog@debug{CUTED [----]}%
10233      ^^JLeft: \the\ht\cuted@@tempbox@c
10234      +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10235      ^^JRight: \the\ht\cuted@@varbox@c
10236      +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
10237      ^^JSplit: \the\cuted@@tempdim@b
10238      ^^JExtra height: \the\cuted@@tempdim@spread
10239      }%
10240      \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10241          \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10242              \cuted@@tempdim@spread=\z@
10243          \fi
10244      \fi
10245      \ifdim\cuted@@tempdim@spread<\z@
10246          \if@leftcolumn@spread
10247              \if@rightcolumn@shrink
10248                  \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10249                      \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread+\pageshrink>\z@
10250                  \else
10251                      \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\relax
10252                  \fi
10253              \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}

```



```

10254         \ifnum\badness<\cuted@@column@badness
10255             \cuted@@tempdim@b=\cuted@@tempdim@a
10256             \cuted@@tempdim@spread=\z@
10257         \fi
10258         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on
10259         \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c
10260         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on
10261     \else
10262         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
10263             \unvcopy\cuted@@tempbox@c
10264         }%
10265         \ifnum\badness<\cuted@@column@badness
10266             \@tempdimb=\ht\cuted@@varbox@c
10267             \cuted@@tempdim@spread=\z@
10268         \fi
10269         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\h
10270         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
10271             \unvcopy\cuted@@varbox@c
10272         }%
10273         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\
10274     \fi
10275     \else
10276         \if@right@column@shrink
10277             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10278             \else
10279                 \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10280                 \cuted@@tempdim@spread=\z@
10281             \fi
10282         \fi
10283     \fi
10284     \else
10285         \ifdim\cuted@@tempdim@spread>\z@
10286             \ifdim\dimexpr\@tempdimb+\p@>\relax>\@colht
10287                 \cuted@@tempdim@b=\@colht
10288                 \cuted@@tempdim@spread=\z@
10289             \fi
10290         \fi
10291     \fi
10292     \ifdim\cuted@@tempdim@spread<\z@
10293         \advance\cuted@@tempdim@b 1\p@
10294     \repeat
10295     \wlog{CUTED [- LAST -]}%
10296     ^^JExtra skip:\the\cuted@@tempdim@spread
10297     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10298     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10299     ^^JSplit: \saved@tempdimb
10300     ^^JOutput:\the\cuted@@tempdim@b
10301     ^^JPageshrink: \the\pageshrink
10302     ^^JPagestretch: \the\pagestretch
10303     ^^J@colht:\the\@colht
10304     }%
10305 %%
10306 %% final construction of the cuted page above strip
10307 %%

```




```

10308 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10309 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10310   \cuted@@tempdim@a=\dimexpr
10311     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10312   \relax
10313   \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10314   \unvbox\cuted@@tempbox@c
10315   \ifdim\cuted@@tempdim@spread>\dp\strutbox
10316   \else
10317     \vskip-\cuted@@tempdim@spread
10318   \fi
10319   \prevdepth\z@
10320   \hrule\@height\cuted@@page@rule width\textwidth
10321   \vskip-\cuted@@page@rule
10322   \ifdim\cuted@@tempdim@a>\z@
10323     \if@left@column@spread
10324     \else
10325       \vss
10326     \fi
10327   \else
10328     \ifdim\cuted@@tempdim@a<\z@
10329       \if@left@column@shrink
10330       \else
10331         \vss
10332       \fi
10333     \fi
10334   \fi
10335 }%
10336 \wlog{CUTED [output]: \the\cuted@@tempdim@b
10337   ^^JCUTED [leftcolumn badness]: \number\badness
10338 }%
10339 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
10340   \cuted@@tempdim@a=\dimexpr
10341     \cuted@@tempdim@b-\ht\@holdpg
10342   \relax
10343   \unvbox\@holdpg
10344   \ifdim\cuted@@tempdim@a>\z@
10345     \if@right@column@spread
10346     \else
10347       \vss
10348     \fi
10349   \else
10350     \ifdim\cuted@@tempdim@a<\z@
10351       \if@right@column@shrink
10352       \else
10353         \vss
10354       \fi
10355     \fi
10356   \fi
10357 }%
10358 \wlog{CUTED [rightcolumn badness]: \number\badness}%
10359 \setbox\cuted@@tempbox@var\vbox{%
10360   \hb@xt@\textwidth{%
10361     \if@RTLmain

```



```

10362         \hskip \columnwidth
10363         \hfil
10364         {\normalcolor\vrule \@width\columnseprule}%
10365         \hfil
10366         \hb@xt@\columnwidth{%
10367             \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10368             \hss
10369         }%
10370         \hskip -\textwidth
10371         \hb@xt@\columnwidth{%
10372             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10373             \hss
10374         }%
10375         \hskip \columnsep
10376         \hskip \columnwidth
10377     \else
10378         \hb@xt@\columnwidth{%
10379             \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10380             \hss
10381         }%
10382         \hfil
10383         {\normalcolor\vrule \@width\columnseprule}%
10384         \hfil
10385         \hb@xt@\columnwidth{%
10386             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10387             \hss
10388         }%
10389     \fi
10390     }%
10391 }%
10392 %%
10393 %% finalize cuted page
10394 %%
10395 \ifvoid\hold@viper
10396     \global\setbox\hold@viper\vbox{%
10397         \unvbox\cuted@@tempbox@var
10398         \penalty\interlinepenalty
10399         \vskip\stripsep
10400         \the\preCutedStrip
10401         \ifnum\outputpenalty<-\@Mii
10402             \vskip -\parskip
10403         \fi
10404         \outputpenalty\z@
10405     }%
10406 \else
10407     \global\setbox\hold@viper\vbox{%
10408         \unvbox\hold@viper
10409         \cuted@@tempbox@var
10410         \penalty\interlinepenalty
10411         \vskip\stripsep
10412         \the\preCutedStrip
10413         \ifnum\outputpenalty<-\@Mii
10414             \vskip -\parskip
10415         \fi

```



```

10416         \outputpenalty\z@
10417     }%
10418 \fi
10419 \ifdim\@colht>\@reqcolroom
10420     \global\setbox\hold@viper\vbox{%
10421         \unvbox\hold@viper
10422         \box\@viper
10423         \penalty\interlinepenalty
10424         \the\postCutedStrip
10425         \vskip\stripsep
10426         \ifnum\outputpenalty<-\@Mii
10427             \vskip -\parskip
10428         \fi
10429         \outputpenalty\z@
10430     }%
10431 \inserttrue
10432 \global\@firstcolumntrue
10433 \advance\ht@hold@viper by-\ht\hold@viper
10434 \global\advance\@colht by\ht@hold@viper
10435 \ifdim\@colht<2.5\baselineskip
10436     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
10437                             too tall on page \thepage (\var@@thecol@num column)}}%
10438     \@emptycol
10439     \if@firstcolumn
10440     \else
10441         \@emptycol
10442     \fi
10443     \global\@lastvipertrue
10444 \else
10445     \global\ysize\@colht
10446     \global\@colroom\@colht
10447     \check@floats@cuted@@tempdim@a
10448     \ifdim\cuted@@tempdim@a>\z@
10449         \global\advance\@colroom by-\cuted@@tempdim@a
10450     \fi
10451     \ifdim\@colroom<\z@
10452         \global\@colroom1p@
10453         \ifdim\cuted@@tempdim@a>\@colht
10454             \@latex@warning@no@line{TOP and/or BOT FLOAT's
10455                                     to large on \thepage (\var@@thecol@num column)}}%
10456         \fi
10457         \@emptycol
10458         \if@firstcolumn
10459         \else
10460             \@emptycol
10461         \fi
10462         \global\@lastvipertrue
10463     \fi
10464 \fi
10465 \fi
10466 \if@insert
10467 \else
10468     \advance\ht@hold@viper by-\ht\hold@viper
10469     \global\advance\@colht by\ht@hold@viper

```



```

10470      \global\setbox\hold@viper\vbox{%
10471          \unvbox\hold@viper
10472          \set@split@topskip@to{\z@ plus2\p@}%
10473          \vsplit\@viper to\@colht
10474          \vss
10475      }%
10476      \vbox{%
10477      \global\@firstcolumnfalse
10478      \newpage
10479      \fi
10480      }

```

76 File cvthemebidicasual.sty

```

10481 \NeedsTeXFormat{LaTeX2e}
10482 \ProvidesPackage{cvthemebidicasual}
10483 \DeclareOption{blue}{}
10484 \newif\if@colourorange\@colourorangefalse
10485 \DeclareOption{orange}{\@colourorangetrue}
10486 \newif\if@colourgreen\@colourgreenfalse
10487 \DeclareOption{green}{\@colourgreentrue}
10488 \newif\if@colourred\@colourredfalse
10489 \DeclareOption{red}{\@colourredtrue}
10490 \newif\if@colourgrey\@colourgreyfalse
10491 \DeclareOption{grey}{\@colourgreytrue}
10492 \DeclareOption*{
10493     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
10494 \ExecuteOptions{colour}
10495 \ProcessOptions\relax
10496 \renewcommand*{\listitemsymbol}{\textbullet}
10497 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10498 \familynamecolour{808080}
10499 \firstnamecolour{A9A9A9}
10500 \quotecolour{696969}
10501 \addresscolour{696969}
10502 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10503 \sectiontitlecolour{1E90FF}
10504 \subsectioncolour{4682B4}
10505 \definecolor{rulecolour}{gray}{0.6}
10506 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10507 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10508 \if@colourorange
10509     \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10510     \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10511     \sectiontitlecolour{FF8C00}
10512     \subsectioncolour{FF8C00}
10513     \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
10514     \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10515 \if@colourgreen
10516     \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10517     \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10518     \sectiontitlecolour{008000}
10519     \subsectioncolour{008000}
10520     \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}

```



```

10521 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10522 \if@coloured
10523 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10524 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10525 \sectiontitlecolour{FF0000}
10526 \subsectioncolour{FF0000}
10527 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
10528 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10529 \if@colourgrey
10530 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10531 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10532 \sectiontitlecolour{808080}
10533 \subsectioncolour{808080}
10534 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10535 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10536 \renewcommand*{\ttdefault}{pcr}
10537 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
10538 \renewcommand*{\familynamefont}{\firstnamefont}
10539 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10540 \renewcommand*{\quoteont}{\large\slshape}
10541 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10542 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10543 \renewcommand*{\maketitle}{%
10544   {%
10545     \ifthenelse{\isundefined{\@photo}}{%
10546       {}%
10547       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
10548       \hfill%
10549       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
10550     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
10551     \ifthenelse{\isundefined{\@quote}}{%
10552       {}%
10553       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\%
10554     }%
10555 \newif\if@firstfooterelement\@firstfooterelementtrue
10556 \providecommand*{\footersymbol}{%
10557 \renewcommand*{\footersymbol}{%
10558 \if@firstfooterelement%
10559 \else%
10560 { ~\color{footersymbolcolor}\textbullet~~}\fi}
10561 \providecommand*{\makefooter}{%
10562 \renewcommand*{\makefooter}{%
10563 \fancypagestyle{plain}{%
10564 \fancyfoot[c]{%
10565 \parbox{0.8\textwidth}{%
10566 \centering%
10567 \addressfont\@addresscolour%
10568 \ifthenelse{\isundefined{\@address}}{\@address}{%
10569 \addresssymbol~\@address\%
10570 \@firstfooterelementfalse}%
10571 \ifthenelse{\isundefined{\@mobile}}{\@mobilesymbol~\@mobile\@firstfooterelementfalse}%
10572 \ifthenelse{\isundefined{\@phone}}{\@phonesymbol~\@phone\@firstfooterelementfalse}%
10573 \ifthenelse{\isundefined{\@fax}}{\@faxsymbol~\@fax\@firstfooterelementfalse}%
10574 \ifthenelse{\isundefined{\@email}}{\@emailsymbol~\@email\@firstfooterelementfalse}%

```



```

10575         \ifthenelse{\isundefined{\@extrainfo}}{\footersymbol\@extrainfo\@firstfooterelementf
10576     }%
10577     \pagestyle{plain}}
10578 \AtBeginDocument{\makefooter}

```

77 File cvthemebidiclassic.sty

```

10579 \NeedsTeXFormat{LaTeX2e}
10580 \ProvidesPackage{cvthemebidiclassic}
10581 \DeclareOption{blue}{}
10582 \newif\if@colourorange\@colourorangefalse
10583 \DeclareOption{orange}{\@colourorangetrue}
10584 \newif\if@colourgreen\@colourgreenfalse
10585 \DeclareOption{green}{\@colourgreentrue}
10586 \newif\if@colourred\@colourredfalse
10587 \DeclareOption{red}{\@colourredtrue}
10588 \newif\if@colourgrey\@colourgreyfalse
10589 \DeclareOption{grey}{\@colourgreytrue}
10590 \DeclareOption*{
10591     \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
10592 \ExecuteOptions{colour}
10593 \ProcessOptions\relax
10594 \renewcommand*{\listitemsymbol}{\textbullet}
10595 \firstnamecolour{}
10596 \familynamecolour{}
10597 \titlecolour{808080}
10598 \quotecolour{696969}
10599 \addresscolour{696969}
10600 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10601 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10602 \sectiontitlecolour{1E90FF}
10603 \subsectioncolour{4682B4}
10604 \if@colourorange
10605     \addresscolour{FF8C00}
10606     \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10607     \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10608     \sectiontitlecolour{FF8C00}
10609     \subsectioncolour{FF8C00}\fi
10610 \if@colourgreen
10611     \addresscolour{008000}
10612     \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10613     \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10614     \sectiontitlecolour{008000}
10615     \subsectioncolour{008000}\fi
10616 \if@colourred
10617     \addresscolour{FF0000}
10618     \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10619     \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10620     \sectiontitlecolour{FF0000}
10621     \subsectioncolour{FF0000}\fi
10622 \if@colourgrey
10623     \addresscolour{808080}
10624     \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10625     \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}

```



```

10626 \sectiontitlecolour{808080}
10627 \subsectioncolour{808080}\fi
10628 \renewcommand*{\ttdefault}{pcr}
10629 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10630 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
10631 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10632 \renewcommand*{\familynamefont}{\firstnamefont}
10633 \renewcommand*{\quoteont}{\large\slshape}
10634 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10635 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10636 \newlength{\maketitlenamemaxwidth}
10637 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
10638 \newlength{\maketitlenamewidth}
10639 \setlength{\maketitlenamewidth}{.525\textwidth}
10640 \newlength{\maketitledetailswidth}
10641 \renewcommand*{\recomputethemelengths}{%
10642 \setlength{\maketitledetailswidth}{\textwidth}%
10643 \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
10644 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
10645 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}}
10646 \renewcommand*{\maketitle}{%
10647 % name and title
10648 \begin{minipage}[b]{\maketitlenamewidth}%
10649 \firstnamefont\firstname\familynamefont\familyname%
10650 \ifthenelse{\isundefined{\@title}}{\@title}{\title}%
10651 \end{minipage}%
10652 % optional data
10653 \begin{minipage}[b]{\maketitledetailswidth}%
10654 \bidi@raggedleft\addressfont\address%
10655 \ifthenelse{\isundefined{\@address}}{\@address}{%
10656 \maketitledetailsnewline%
10657 \addresssymbol~\@address}%
10658 \ifthenelse{\isundefined{\@mobile}}{\@mobile}{\mobilesymbol~\@mobile}%
10659 \ifthenelse{\isundefined{\@phone}}{\@phone}{\phonesymbol~\@phone}%
10660 \ifthenelse{\isundefined{\@fax}}{\@fax}{\faxsymbol~\@fax}%
10661 \ifthenelse{\isundefined{\@email}}{\@email}{\emailsymbol~\@email}%
10662 \ifthenelse{\isundefined{\@extrainfo}}{\@extrainfo}{%
10663 \maketitledetailsnewline\@extrainfo}%
10664 \end{minipage}%
10665 % optional photo
10666 \ifthenelse{\isundefined{\@photo}}{%
10667 {}%
10668 {\hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=
10669 % optional quote

```



```

10680 \ifthenelse{\isundefined{\@quote}}{%
10681   }%
10682   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\\\
10683 }

```

78 File dblfnote-xetex-bidi.def

```

10684 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
10685 \let\autofootnoterule\relax
10686 \let\rightfootnoterule\relax
10687 \let\leftfootnoterule\relax
10688 \let\textwidthfootnoterule\relax
10689 \let\LRfootnoterule\relax
10690 \def\footnoterule{\kern-3\p@
10691   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10692 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
10693 \let\@footnotetext\dfn@footnotetext}
10694 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
10695   \let\insert\dfn@gobble
10696   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10697   \def\@makefnmark{\smash{\dfn@makefnmark}}
10698   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10699   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10700   \ifdim\dfn@dima>\z@else
10701     \dfn@dima1sp\relax
10702     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10703   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10704     \ifvoid\dfn@ins\else
10705       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10706     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10707   \setbox\dfn@boxa\copy\dfn@ins
10708   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10709   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10710   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10711   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10712   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10713 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
10714 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10715 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
10716   \let\insert\dfn@gobble
10717   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10718   \def\@makefnmark{\smash{\dfn@makefnmark}}
10719   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10720   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10721   \ifdim\dfn@dima>\z@else
10722     \dfn@dima1sp\relax
10723     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10724   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10725     \ifvoid\dfn@ins\else
10726       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10727     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10728   \setbox\dfn@boxa\copy\dfn@ins
10729   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10730   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima

```




```

10731 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10732 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10733 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10734 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10735 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10736 \def\dfn@RTLmakecol{{\ifvoid\footins\else
10737 \dfn@dima\ht\footins
10738 \@tempcnta\z@ \dfn@countins
10739 \@tempdima\z@ \let\@elt\dfn@elt\getht
10740 \dfn@list\@nil
10741 \ifdim\@tempdima=\z@\else
10742 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10743 \global\setbox\dfn@ins\box\dfn@ins
10744 \@tempswatrue
10745 \ifdfn@trysingle
10746 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10747 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10748 \advance\@tempdima-\skip\footins
10749 \advance\@tempdima-\ht\dfn@boxa
10750 \ifdim\@tempdima<\z@\else \@tempswafalse
10751 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10752 \footnoterule \unvbox\dfn@boxa}\fi\fi
10753 \if@tempswa
10754 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10755 \global\setbox\footins\vbox{\hbox{%
10756 \hskip \DFNcolumnwidth
10757 \hskip\DFNcolumnsep
10758 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10759 \unvbox\dfn@boxb\vss}\hss}
10760 \hskip -\textwidth
10761 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10762 \vbox to\@tempdima{
10763 \setbox\@tempboxa\vbox{\footnoterule}
10764 \ifdfn@ruleboth \unvbox\@tempboxa
10765 \else \@tempdima\ht\@tempboxa
10766 \advance\@tempdima\dp\@tempboxa
10767 \vskip\@tempdima
10768 \prevdepth\dp\@tempboxa \fi
10769 \unvbox\dfn@boxa\vss}\fi\hss}
10770 \hskip \DFNcolumnsep
10771 \hskip \DFNcolumnwidth}}\fi\fi
10772 \global\dfn@fnht\z@
10773 \ifx\dfn@list\@empty\else
10774 \let\@elt\dfn@elt\adjust \dfn@dima\z@ \dfn@dimb\z@
10775 \dfn@list \global\advance\dfn@fnht\dfn@dimb
10776 \let\@elt\relax
10777 \ifdim\dfn@dimb>\z@
10778 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10779 \insert\footins{\floatingpenalty\@MM
10780 \vbox to\dfn@dimb{}}\fi
10781 \ifdim\dfn@fnht>\@tempdima
10782 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10783 \global\dfn@fnht\@tempdima
10784 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}}%

```



```

10785             \xdef\dfn@afteroutput{\insert\footins{
10786                 \floatingpenalty\@MM
10787                 \vbox to\number\@tempdimb sp{}}}%
10788             \global\let\noexpand\dfn@afteroutput\relax}%
10789         \fi\fi
10790     \fi}%
10791     \let\footnoterule\relax \dfn@latex@makecol
10792     \let\footnoterule\dfn@footnoterule}
10793 \def\dfn@LTRmakecol{\ifvoid\footins\else
10794     \dfn@dima\ht\footins
10795     \@tempcnta\z@ \dfn@countins
10796     \@tempdima\z@ \let\@elt\dfn@elt@getht
10797     \dfn@list\@nil
10798     \ifdim\@tempdima=\z@\else
10799     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10800     \global\setbox\dfn@ins\box\dfn@ins
10801     \@tempswatrue
10802     \ifdfn@trysingle
10803         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10804         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10805         \advance\@tempdima-\skip\footins
10806         \advance\@tempdima-\ht\dfn@boxa
10807         \ifdim\@tempdima<\z@\else \@tempswafalse
10808             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10809                 \footnoterule \unvbox\dfn@boxa}\fi\fi
10810     \if@tempswa
10811     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10812     \global\setbox\footins\vbox{\hbox{%
10813         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10814             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
10815         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10816             \vbox to\@tempdima{
10817                 \setbox\@tempboxa\vbox{\footnoterule}
10818                 \ifdfn@ruleboth \unvbox\@tempboxa
10819                 \else \@tempdima\ht\@tempboxa
10820                 \advance\@tempdima\dp\@tempboxa
10821                 \vskip\@tempdima
10822                 \prevdepth\dp\@tempboxa \fi
10823                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
10824     \global\dfn@fnht\z@
10825     \ifx\dfn@list\@empty\else
10826         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10827         \dfn@list \global\advance\dfn@fnht\dfn@dimb
10828         \let\@elt\relax
10829         \ifdim\dfn@dimb>\z@
10830             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10831             \insert\footins{\floatingpenalty\@MM
10832                 \vbox to\dfn@dimb{}}\fi
10833         \ifdim\dfn@fnht>\@tempdima
10834             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10835             \global\dfn@fnht\@tempdima
10836             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10837             \xdef\dfn@afteroutput{\insert\footins{
10838                 \floatingpenalty\@MM

```



```

10839 \vbox to\number\@tempdimb sp{}}%
10840 \global\let\noexpand\dfn@afteroutput\relax}%
10841 \fi\fi
10842 \fi}%
10843 \let\footnoterule\relax \dfn@latex@makecol
10844 \let\footnoterule\dfn@footnoterule}
10845 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
10846 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
10847 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
10848 \DFNalwaysdouble

```

79 File diagbox-xetex-bidi.def

```

10849 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package f
10850 \bidi@patchcmd{\diagbox@double}{%
10851 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10852 }{\bidi@@diagbox@double@ii}{}}
10853 \bidi@patchcmd{\diagbox@double}{%
10854 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10855 }{\bidi@@diagbox@double@iii}{}}
10856 \newcommand*{\bidi@@diagbox@double@ii}{%
10857 \if@RTL
10858 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
10859 \else
10860 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10861 \fi
10862 }
10863 \newcommand*{\bidi@@diagbox@double@iii}{%
10864 \if@RTL
10865 \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
10866 \else
10867 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10868 \fi
10869 }
10870 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10871 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10872 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{}}
10873 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10874 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10875 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{}}
10876 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10877 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10878 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{}}
10879 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
10880 \if@RTL
10881 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
10882 \else
10883 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10884 \fi
10885 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
10886 \if@RTL
10887 \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
10888 \else
10889 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}

```



```

10890 \fi}
10891 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
10892 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10893   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
10894 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
10895 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10896   \begin{tabular}{@{\hspace{\diagbox@insepr}}}%
10897 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
10898 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10899   \begin{tabular}{@{\hspace{\diagbox@insepr}}}%
10900 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
10901 \newcommand*\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
10902   \ifRTL
10903     \begin{tabular}{@{\hspace{\diagbox@insepl}}}%
10904   \else
10905     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
10906   \fi
10907 }
10908 \newcommand*\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
10909   \ifRTL
10910     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
10911   \else
10912     \begin{tabular}{@{\hspace{\diagbox@insepr}}}%
10913   \fi
10914 }
10915 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
10916 \bidi@patchcmd{\diagbox@double@pict@SE}{%
10917   \diagbox@setlinecolor
10918   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
10919 }{%
10920   {\diagbox@setlinecolor
10921     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
10922 }{-}{-}
10923 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
10924 \bidi@patchcmd{\diagbox@double@pict@NE}{%
10925   \diagbox@setlinecolor
10926   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
10927 }{%
10928   {\diagbox@setlinecolor
10929     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
10930 }{-}{-}
10931 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
10932 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
10933   \diagbox@setlinecolor
10934   \Line(0,\yym)(\x,0)
10935   \Line(\xm,\y)(\x,0)%
10936 }{%
10937   {\diagbox@setlinecolor
10938     \Line(0,\yym)(\x,0)
10939     \Line(\xm,\y)(\x,0)}%
10940 }{-}{-}
10941 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
10942   \diagbox@setlinecolor
10943   \Line(0,0)(\xxm,\y)

```



```

10944 \Line(0,0)(\x,\ym)%
10945 }{%
10946 {\diagbox@setlinecolor
10947 \Line(0,0)(\xxm,\y)
10948 \Line(0,0)(\x,\ym)}%
10949 }{}{}
10950 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
10951 \diagbox@setlinecolor
10952 \Line(0,\ym)(\x,\y)
10953 \Line(\xm,0)(\x,\y)}%
10954 }{%
10955 {\diagbox@setlinecolor
10956 \Line(0,\ym)(\x,\y)
10957 \Line(\xm,0)(\x,\y)}%
10958 }{}{}
10959 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
10960 \diagbox@setlinecolor
10961 \Line(0,\y)(\xxm,0)
10962 \Line(0,\y)(\x,\ym)}%
10963 }{%
10964 {\diagbox@setlinecolor
10965 \Line(0,\y)(\xxm,0)
10966 \Line(0,\y)(\x,\ym)}%
10967 }{}{}

```

80 File draftwatermark-xetex-bidi.def

```

10968 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
10969 \renewcommand\SetWatermarkText[1]{%
10970 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

81 File eso-pic-xetex-bidi.def

```

10971 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package]
10972 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
10973 \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
10974
10975 \ESO@isMEMOIR{%
10976 \renewcommand\AtTextUpperLeft[1]{%
10977 \begingroup
10978 \ifodd\c@page
10979 \if@RTLmain
10980 \ESO@tempdima=\paperwidth
10981 \advance\ESO@tempdima-\textwidth
10982 \advance\ESO@tempdima-\spinemargin
10983 \else
10984 \ESO@tempdima=\spinemargin
10985 \fi
10986 \else
10987 \if@RTLmain
10988 \ESO@tempdima=\spinemargin
10989 \else
10990 \ESO@tempdima=\paperwidth
10991 \advance\ESO@tempdima-\textwidth

```



```

10992         \advance\ESO@tempdima-\spinemargin
10993         \fi
10994     \fi
10995     \ESO@tempdimb=-\uppermargin
10996     \AtPageUpperLeft{%
10997         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
10998     }%
10999 \endgroup
11000 }
11001 }{%
11002 \renewcommand\AtTextUpperLeft[1]{%
11003 \begingroup
11004 \ESO@tempdima=1in\relax
11005 \if@twoside
11006     \ifodd\c@page
11007         \if@RTLmain
11008             \advance\ESO@tempdima\evensidemargin
11009         \else
11010             \advance\ESO@tempdima\oddsidemargin
11011         \fi
11012     \else
11013         \if@RTLmain
11014             \advance\ESO@tempdima\oddsidemargin
11015         \else
11016             \advance\ESO@tempdima\evensidemargin
11017         \fi
11018     \fi
11019 \else
11020     \advance\ESO@tempdima\oddsidemargin
11021 \fi
11022 \ESO@tempdimb=-1in\relax
11023 \advance\ESO@tempdimb-\topmargin
11024 \advance\ESO@tempdimb-\headheight
11025 \advance\ESO@tempdimb-\headsep
11026 \AtPageUpperLeft{%
11027     \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11028 }%
11029 \endgroup
11030 }
11031 }

```

82 File empheq-xetex-bidi.def

```

11032 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
11033 \MHInternalSyntaxOn
11034 \def\EQ_tag_plus_endmark:{%
11035 \iftagsleft@
11036     \gdef\maketag@@@##1{%
11037         \hfuzz\displaywidth
11038         \if@RTL\makebox[\widthof{##1}][r]{%
11039             \hbox to \displaywidth{\m@th\normalfont##1\hss
11040                 \raisebox{-\dp\EQ_mathdisplay_box
11041                     -\depthof{\EQ_outerbox:}}{
11042                     {\PotEndMark{\hss}}}}

```



```

11043 \else\makebox[\widthof{##1}][l]{%
11044 \hbox to \displaywidth{\m@th\normalfont##1\hss
11045 \raisebox{-\dp\EQ_mathdisplay_box
11046 -\depthof{\EQ_outerbox: {}}}%
11047 {\PotEndMark{\hss}}}\fi}%
11048 \MH_else:
11049 \gdef\maketag@@@##1{%
11050 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
11051 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
11052 \MH_addtolength:dn \@tempdima
11053 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
11054 \setlength{\@tempdimb}
11055 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox: {}}
11056 +\depthof{\EQ_innerbox: {}}}%
11057 \MH_if_dim:w \@tempdima>\@tempdimb
11058 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
11059 -\@tempdima+\g_EQ_bottomrow_depth_dim}
11060 \addtolength{\@tempdima}{\depthof{\EQ_innerbox: {}}}%
11061 \def\EQ_next:{\raisebox{\@tempdima}}}%
11062 \MH_else:
11063 \def\EQ_next:{
11064 \raisebox{-\dp\EQ_mathdisplay_box
11065 -\depthof{\EQ_outerbox: {}}}%
11066 \MH_fi:\EQ_next:}}}%
11067 \MH_fi:}
11068 \def\EQ_post_process:{%
11069 \EQ_initialize:
11070 \EQ_begin_equation:
11071 \MH_if_boolean:nT {outer_mult}{
11072 \setkeys{\MT_options_name:}{
11073 firstline-afterskip=Opt,
11074 lastline-preskip=Opt,
11075 multlined-width=Opt,
11076 }
11077 \ifodd \l_EQ_alignmentmode_int
11078 \setkeys{\MT_options_name:}{multlined-pos=b}
11079 \MH_else:
11080 \setkeys{\MT_options_name:}{multlined-pos=t}
11081 \MH_fi:
11082 \g@addto@macro\EQ_complete_mathdisplay:{
11083 \begin{MTmultlined}\relax}
11084 }
11085 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11086 \MH_if_boolean:nT {outer_mult}{
11087 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
11088 }
11089 \EQ_end_equation:
11090 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11091 \savecounters@
11092 \EQ_typeset_tags:
11093 \edef\l_EQ_equation_fint{\number\c@equation}
11094 \restorecounters@
11095 \Hy@linkcounter=\EQ_hyperref_link_fint
11096 \settowidth\l_EQ_totalwidth_dim{%

```



```

11097   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
11098   \MH_if_boolean:nTF {outer_mult}
11099   { \def\EQ_next:{_mult} }
11100   { \def\EQ_next:{} }
11101   \@nameuse{EQ_modify_linewidth_
11102     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11103   \EQ_typeset_display:
11104   \@nameuse{EQ_find_displaywidth_
11105     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11106   \MH_addtolength:dn
11107   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11108   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11109     $\EQ_left_side:
11110     \EQ_innerbox:{%
11111       \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11112       \makebox[\l_EQ_displaywidth_dim][c]
11113       {\usebox{\EQ_mathdisplay_box}}}%
11114     \MH_or:
11115     \makebox[\l_EQ_displaywidth_dim][c]
11116     {\usebox{\EQ_mathdisplay_box}}}%
11117     \MH_or:
11118     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11119       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11120       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11121       \kern-\@mathmargin
11122       \MH_fi:
11123       \MH_fi:
11124       \usebox{\EQ_mathdisplay_box}}}%
11125     \else\makebox[\l_EQ_displaywidth_dim][l]{%
11126       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11127       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11128       \kern-\@mathmargin
11129       \MH_fi:
11130       \MH_fi:
11131       \usebox{\EQ_mathdisplay_box}}\fi%
11132     \MH_or:
11133     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11134       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11135       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11136       \kern-\@mathmargin
11137       \MH_fi:
11138       \MH_fi:
11139       \usebox{\EQ_mathdisplay_box}}
11140     \else\makebox[\l_EQ_displaywidth_dim][l]{%
11141       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11142       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11143       \kern-\@mathmargin
11144       \MH_fi:
11145       \MH_fi:
11146       \usebox{\EQ_mathdisplay_box}}\fi%
11147     \MH_fi:}%
11148   \EQ_right_side:$}%
11149   \begin{AmSequation*}
11150   \@nameuse{EQ_place_display_

```




```

11151         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11152 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11153 \MH_set_boolean_T:n {show_manual_tags}
11154 \MH_if_case:w \l_EQ_alignmentmode_int
11155 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
11156 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
11157 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
11158 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
11159 \MH_fi:
11160 \MH_fi:
11161 \end{AmSequation*}
11162 \global\c@equation=\l_EQ_equation_fint\relax
11163 }
11164 \AtBeginDocument{%
11165 \ifpackageloaded{fancybox}{%
11166 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11167 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11168 \renewcommand*\shadowbox{%
11169 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
11170 \VerbBox\EQ_shadowbox:n}
11171 {\MH_set_boolean_F:n {shadowbox_star}
11172 \VerbBox\EQ_shadowbox:n}}
11173 \def\EQ_shadowbox:n #1{%
11174 \sbox{\z@}{\fbox{#1}}%
11175 \MH_if_boolean:nTF {shadowbox_star}{
11176 \MH_setlength:dn \@tempdima{\z@}%
11177 }{
11178 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
11179 }
11180 \raisebox{\@tempdima}{%
11181 \if@RTL\makebox[\z@][r]{%
11182 \kern\shadowsize \textcolor{shadowcolor}{%
11183 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
11184 }%
11185 \else\makebox[\z@][l]{%
11186 \kern\shadowsize \textcolor{shadowcolor}{%
11187 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
11188 }\fi%
11189 \usebox\z@\textcolor{shadowcolor}{%
11190 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
11191 }{}%
11192 }
11193 \MHInternalSyntaxOff

```

83 File extarticle-xetex-bidi.def

```

11194 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cla
11195 \renewcommand*\l@section[2]{%
11196 \ifnum \c@tocdepth >\z@
11197 \addpenalty\@secpenalty
11198 \addvspace{1.0em \@plus\p@}%
11199 \setlength\@tempdima{1.5em}%
11200 \begingroup
11201 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

11202     \parfillskip -\@pnumwidth
11203     \leavevmode \bfseries
11204     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
11205     \hskip -\if@RTL\righskip\else\leftskip\fi
11206     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11207   \endgroup
11208 \fi}
11209 \renewcommand*\l@part[2]{%
11210 \ifnum \c@tocdepth >-2\relax
11211   \addpenalty\@secpenalty
11212   \addvspace{2.25em \@plus\p@}%
11213   \begingroup
11214     \setlength\@tempdima{3em}%
11215     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11216     \parfillskip -\@pnumwidth
11217     {\leavevmode
11218       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11219     \nobreak
11220   \endgroup
11221 \fi}
11222 \def\@part[#1]#2{%
11223   \ifnum \c@secnumdepth >\m@ne
11224     \refstepcounter{part}%
11225     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
11226   \else
11227     \addcontentsline{toc}{part}{#1}%
11228   \fi
11229   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11230    \interlinepenalty \@M
11231    \normalfont
11232    \ifnum \c@secnumdepth >\m@ne
11233      \Large\bfseries \partname-\thepart
11234      \par\nobreak
11235    \fi
11236    \huge \bfseries #2%
11237    \markboth{}{}\par}%
11238   \nobreak
11239   \vskip 3ex
11240   \@afterheading}
11241 \def\@spart#1{%
11242   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11243    \interlinepenalty \@M
11244    \normalfont
11245    \huge \bfseries #1\par}%
11246   \nobreak
11247   \vskip 3ex
11248   \@afterheading}
11249 \renewenvironment{thebibliography}[1]
11250   {\section*{\refname
11251     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11252     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11253     \bidi@thebibliography@font@hook%
11254     \list{\@biblabel{\@arabic\c@enumiv}}%
11255     {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

11256         \leftmargin\labelwidth
11257         \advance\leftmargin\labelsep
11258         \@openbib@code
11259         \usecounter{enumiv}%
11260         \let\p@enumiv\@empty
11261         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11262     \sloppy\clubpenalty4000\widowpenalty4000%
11263     \sfcode`.\@m}
11264     {\def\@noitemerr
11265       {\@latex@warning{Empty `thebibliography' environment}}}%
11266     \endlist}
11267 \renewcommand\left@footnoterule{%
11268   \kern-3\p@
11269   \hrule\@width.4\columnwidth
11270   \kern2.6\p@}
11271 \renewcommand\right@footnoterule{%
11272   \kern-3\p@
11273   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11274   \kern2.6\p@}
11275   \if@titlepage
11276   \renewcommand\maketitle{\begin{titlepage}%
11277     \let\footnotesize\small
11278     \let\right@footnoterule\relax
11279     \let\left@footnoterule\relax
11280     \let\textwidth\footnoterule\relax
11281     \let \footnote \thanks
11282     \null\vfil
11283     \vskip 60\p@
11284     \begin{center}%
11285       {\LARGE \@title \par}%
11286       \vskip 3em%
11287       {\large
11288         \lineskip .75em%
11289         \begin{tabular}[t]{c}%
11290           \@author
11291           \end{tabular}\par}%
11292       \vskip 1.5em%
11293       {\large \@date \par}%           % Set date in \large size.
11294     \end{center}\par
11295     \@thanks
11296     \vfil\null
11297   \end{titlepage}%
11298   \setcounter{footnote}{0}%
11299   \global\let\thanks\relax
11300   \global\let\maketitle\relax
11301   \global\let\@thanks\@empty
11302   \global\let\@author\@empty
11303   \global\let\@date\@empty
11304   \global\let\@title\@empty
11305   \global\let\title\relax
11306   \global\let\author\relax
11307   \global\let\date\relax
11308   \global\let\and\relax
11309 }

```



```

11310 \else
11311 \renewcommand\maketitle{\par
11312   \begin{group}
11313     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11314     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11315     \long\def\@makefntext#1{\parindent 1em\noindent
11316       \hb@xt@1.8em{%
11317         \hss\@textsuperscript{\normalfont\@thefnmark}}#1}%
11318     \if@twocolumn
11319       \ifnum \col@number=\@ne
11320         \@maketitle
11321       \else
11322         \twocolumn[\@maketitle]%
11323       \fi
11324     \else
11325       \newpage
11326       \global\@topnum\z@ % Prevents figures from going at top of page.
11327       \@maketitle
11328     \fi
11329     \thispagestyle{plain}\@thanks
11330   \end{group}
11331   \setcounter{footnote}{0}%
11332   \global\let\thanks\relax
11333   \global\let\maketitle\relax
11334   \global\let\@maketitle\relax
11335   \global\let\@thanks\@empty
11336   \global\let\@author\@empty
11337   \global\let\@date\@empty
11338   \global\let\@title\@empty
11339   \global\let\title\relax
11340   \global\let\author\relax
11341   \global\let\date\relax
11342   \global\let\and\relax
11343 }
11344 \def\@maketitle{%
11345   \newpage
11346   \null
11347   \vskip 2em%
11348   \begin{center}%
11349     \let \footnote \thanks
11350     {\LARGE \@title \par}%
11351     \vskip 1.5em%
11352     {\large
11353       \lineskip .5em%
11354       \begin{tabular}[t]{c}%
11355         \@author
11356       \end{tabular}\par}%
11357     \vskip 1em%
11358     {\large \@date}%
11359   \end{center}%
11360   \par
11361   \vskip 1.5em}
11362 \fi
11363 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

11364 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11365 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11366 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

84 File extbook-xetex-bidi.def

```

11367 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
11368 \if@titlepage
11369 \renewcommand\maketitle{\begin{titlepage}%
11370 \let\footnotesize\small
11371 \let\right@footnoterule\relax
11372 \let\left@footnoterule\relax
11373 \let\textwidth@footnoterule\relax
11374 \let \footnote \thanks
11375 \let \LTRfootnote \LTRthanks
11376 \let \RTLfootnote \RTLthanks
11377 \null\vfil
11378 \vskip 60\p@
11379 \begin{center}%
11380 {\LARGE \@title \par}%
11381 \vskip 3em%
11382 {\large
11383 \lineskip .75em%
11384 \begin{tabular}[t]{c}%
11385 \@author
11386 \end{tabular}\par}%
11387 \vskip 1.5em%
11388 {\large \@date \par}% % Set date in \large size.
11389 \end{center}\par
11390 \@thanks
11391 \vfil\null
11392 \end{titlepage}%
11393 \setcounter{footnote}{0}%
11394 \global\let\thanks\relax
11395 \global\let\LTRthanks\relax
11396 \global\let\RTLthanks\relax
11397 \global\let\maketitle\relax
11398 \global\let\@thanks\@empty
11399 \global\let\@author\@empty
11400 \global\let\@date\@empty
11401 \global\let\@title\@empty
11402 \global\let\title\relax
11403 \global\let\author\relax
11404 \global\let\date\relax
11405 \global\let\and\relax
11406 }
11407 \else
11408 \renewcommand\maketitle{\par
11409 \begin{group
11410 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11411 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11412 \long\def\@makefntext##1{\parindent 1em\noindent
11413 \hb@xt@1.8em{%
11414 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%

```



```

11415 \if@twocolumn
11416 \ifnum \col@number=\@ne
11417 \maketitle
11418 \else
11419 \twocolumn[\maketitle]%
11420 \fi
11421 \else
11422 \newpage
11423 \global\@topnum\z@ % Prevents figures from going at top of page.
11424 \maketitle
11425 \fi
11426 \thispagestyle{plain}\@thanks
11427 \endgroup
11428 \setcounter{footnote}{0}%
11429 \global\let\thanks\relax
11430 \global\let\LTRthanks\relax
11431 \global\let\RTLthanks\relax
11432 \global\let\maketitle\relax
11433 \global\let\@maketitle\relax
11434 \global\let\@thanks\@empty
11435 \global\let\@author\@empty
11436 \global\let\@date\@empty
11437 \global\let\@title\@empty
11438 \global\let\title\relax
11439 \global\let\author\relax
11440 \global\let\date\relax
11441 \global\let\and\relax
11442 }
11443 \def\maketitle{%
11444 \newpage
11445 \null
11446 \vskip 2em%
11447 \begin{center}%
11448 \let \footnote \thanks
11449 \let \LTRfootnote \LTRthanks
11450 \let \RTLfootnote \RTLthanks
11451 {\LARGE \@title \par}%
11452 \vskip 1.5em%
11453 {\large
11454 \lineskip .5em%
11455 \begin{tabular}[t]{c}%
11456 \@author
11457 \end{tabular}\par}%
11458 \vskip 1em%
11459 {\large \@date}%
11460 \end{center}%
11461 \par
11462 \vskip 1.5em}
11463 \fi
11464 \renewcommand*\l@part[2]{%
11465 \ifnum \c@tocdepth >-2\relax
11466 \addpenalty{-\@highpenalty}%
11467 \addvspace{2.25em \@plus\p}%
11468 \begingroup

```



```

11469 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11470 \parfillskip -\@pnumwidth
11471 {\leavevmode
11472 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11473 \nobreak
11474 \global\@nobreaktrue
11475 \everypar{\global\@nobreakfalse\everypar{}}%
11476 \endgroup
11477 \fi}
11478 \renewcommand\theequation
11479 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11480 \renewcommand \thefigure
11481 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11482 \renewcommand \thetable
11483 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11484 \renewcommand \thechapter {\@arabic\c@chapter}
11485 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11486 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11487 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11488 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
11489 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
11490 \def\@makechapterhead#1{%
11491 \vspace*{50\p@}%
11492 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11493 \ifnum \c@secnumdepth >\m@ne
11494 \if@mainmatter
11495 \huge\bfseries \@chapapp\space \thechapter
11496 \par\nobreak
11497 \vskip 20\p@
11498 \fi
11499 \fi
11500 \interlinepenalty\@M
11501 \Huge \bfseries #1\par\nobreak
11502 \vskip 40\p@
11503 }}
11504
11505 \def\@makeschapterhead#1{%
11506 \vspace*{50\p@}%
11507 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11508 \normalfont
11509 \interlinepenalty\@M
11510 \Huge \bfseries #1\par\nobreak
11511 \vskip 40\p@
11512 }}
11513 \renewcommand\backmatter{%
11514 \if@openright
11515 \cleardoublepage
11516 \else
11517 \clearpage
11518 \fi
11519 \@mainmatterfalse}
11520 \renewenvironment{thebibliography}[1]
11521 {\chapter*{\bibname
11522 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%

```



```

11523 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
11524 \bidi@thebibliography@font@hook%
11525 \list{\@biblabel{\@arabic\c@enumiv}}%
11526 {\settowidth\labelwidth{\@biblabel{#1}}%
11527 \leftmargin\labelwidth
11528 \advance\leftmargin\labelsep
11529 \@openbib@code
11530 \usecounter{enumiv}%
11531 \let\p@enumiv\@empty
11532 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11533 \sloppy
11534 \clubpenalty4000
11535 \@clubpenalty \clubpenalty
11536 \widowpenalty4000%
11537 \sfcode\.\@m}
11538 {\def\@noitemerr
11539 {\@latex@warning{Empty `thebibliography' environment}}}%
11540 \endlist}

```

85 File extletter-xetex-bidi.def

```

11541 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
11542 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11543 \thispagestyle{firstpage}%
11544 {\ifRTL\raggedright\else\raggedleft\fi\@date\par}%
11545 \else % home address
11546 \thispagestyle{empty}%
11547 {\ifRTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
11548 \fromaddress \*[2\parskip]%
11549 \@date \end{tabular}\par}%
11550 \fi
11551 \vspace{2\parskip}%
11552 {\ifRTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
11553 \vspace{2\parskip}%
11554 #1\par\nobreak}
11555 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
11556 \stopbreaks
11557 \noindent
11558 \ifx\@empty\fromaddress\else
11559 \hspace*{\longindentation}\fi
11560 \parbox{\indentedwidth}{\ifRTL\raggedleft\else\raggedright\fi
11561 \ignorespaces #1\[[6\medskipamount]}%
11562 \ifx\@empty\fromsig
11563 \fromname
11564 \else \fromsig \fi\strut}%
11565 \par}
11566 \renewcommand\left@footnoterule{%
11567 \kern-\p@
11568 \hrule \@width .4\columnwidth
11569 \kern .6\p@}
11570 \renewcommand\right@footnoterule{%
11571 \kern-\p@
11572 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11573 \kern .6\p@}

```



86 File extrafootnotefeatures-xetex-bidi.def

```

11574 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2022/07/02 v1.9 bidi extra footnote feat
11575 \newif\if@bidi@void@footins
11576 \newif\if@bidi@void@mpfootins
11577 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
11578 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{%
11579 \if@bidi@csundef{HLTR@@LTRfootnotetext}{-}{%
11580 \ifHy@hyperfootnotes
11581 \let\@H@@footnotetext\@footnotetext
11582 \let\@HLTR@@LTRfootnotetext\@LTRfootnotetext
11583 \let\@HRTL@@RTLfootnotetext\@RTLfootnotetext
11584 \let\@H@@mpfootnotetext\@mpfootnotetext
11585 \let\@HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
11586 \let\@HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
11587 \fi
11588 }%
11589 }%
11590 }
11591 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
11592 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{%
11593 \if@bidi@csundef{HLTR@@LTRfootnotetext}{-}{%
11594 \ifHy@hyperfootnotes
11595 \let\H@@footnotetext\@footnotetext
11596 \let\@footnotetext\@H@@footnotetext
11597 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
11598 \let\@LTRfootnotetext\@HLTR@@LTRfootnotetext
11599 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
11600 \let\@RTLfootnotetext\@HRTL@@RTLfootnotetext
11601 \let\H@@mpfootnotetext\@mpfootnotetext
11602 \let\@mpfootnotetext\@H@@mpfootnotetext
11603 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
11604 \let\@mpLTRfootnotetext\@HLTR@@mpLTRfootnotetext
11605 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
11606 \let\@mpRTLfootnotetext\@HRTL@@mpRTLfootnotetext
11607 \fi
11608 }%
11609 }%
11610 }
11611 \let\autofooterule\relax
11612 \let\rightfootnoterule\relax
11613 \let\leftfootnoterule\relax
11614 \let\textwidthfootnoterule\relax
11615 \let\LRfootnoterule\relax
11616 \def\footnoterule{\kern-3\p@
11617 \hrule \@width \columnwidth \kern 2.6\p@}
11618 \newcommand{\@preamnormalfmt}{%
11619 \parindent 1em%
11620 \noindent
11621 }
11622 \newcommand{\@normalfootfmt}[1]{%
11623 \@preamnormalfmt
11624 \footfootmark
11625 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%

```



```

11626 \@finalstrut\strutbox
11627 }
11628 \newcommand{\@normalRTLfootfmt}[1]{%
11629   \@preamnormalfmt
11630   \RTLfootfootmark
11631   \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
11632   \@finalstrut\strutbox
11633 }
11634 \newcommand{\@normalLTRfootfmt}[1]{%
11635   \@preamnormalfmt
11636   \LTRfootfootmark
11637   \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
11638   \@finalstrut\strutbox
11639 }
11640 \renewcommand{\@footnotetext}[1]{%
11641   \insert\footins{%
11642     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11643     \def\baselinestretch{\m@m@footnote@spacing}%
11644     \reset@font
11645     \foottextfont
11646     \@preamfntext
11647     \hsize\columnwidth
11648     \protected@edef\@currentlabel{%
11649       \csname p@footnote\endcsname\@thefnmark}%
11650     \color@begingroup
11651       \@normalfootfmt{#1}%
11652     \color@endgroup}%
11653     \m@mmf@prepare}
11654 \renewcommand{\@RTLfootnotetext}[1]{%
11655   \insert\footins{%
11656     \@RTLtrue%
11657     \def\baselinestretch{\m@m@footnote@spacing}%
11658     \reset@font
11659     \RTLfoottextfont
11660     \@preamfntext
11661     \hsize\columnwidth
11662     \protected@edef\@currentlabel{%
11663       \csname p@footnote\endcsname\@thefnmark}%
11664     \color@begingroup
11665       \@normalRTLfootfmt{#1}%
11666     \color@endgroup}%
11667     \m@mmf@prepare}
11668 \renewcommand{\@LTRfootnotetext}[1]{%
11669   \insert\footins{%
11670     \@RTLfalse%
11671     \def\baselinestretch{\m@m@footnote@spacing}%
11672     \reset@font
11673     \LTRfoottextfont
11674     \@preamfntext
11675     \hsize\columnwidth
11676     \protected@edef\@currentlabel{%
11677       \csname p@footnote\endcsname\@thefnmark}%
11678     \color@begingroup
11679       \@normalLTRfootfmt{#1}%

```



```

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

```



```

11734 \def\m@m@singlespace{#1}%
11735 \def\m@m@footnote@spacing{#1}%
11736 \def\m@m@float@spacing{#1} %
11737 }
11738 \setSingleSpace{1}
11739 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
11740 \bidi@ensure@newcommand*{\m@mmf@prepare}{%
11741   \kern-\multiplefootnotemarker
11742   \kern\multiplefootnotemarker\relax}
11743 \bidi@ensure@newlength{\footmarkwidth}
11744 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
11745 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
11746 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
11747 \bidi@ensure@newcommand{\footfootmark}{%
11748   \ifdim\footmarkwidth < \z@
11749     \llap{\hb@xt@ -\footmarkwidth{%
11750       \hss\normalfont\footscript{\@thefnmark}}}%
11751     \hspace*{-\footmarkwidth}}%
11752   \else
11753     \ifdim\footmarkwidth = \z@
11754       {\normalfont\footscript{\@thefnmark}}%
11755     \else
11756       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
11757     \fi
11758   \fi}
11759 \bidi@ensure@newcommand{\LTRfootfootmark}{%
11760   \ifdim\footmarkwidth < \z@
11761     \llap{\hb@xt@ -\footmarkwidth{%
11762       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
11763     \hspace*{-\footmarkwidth}}%
11764   \else
11765     \ifdim\footmarkwidth = \z@
11766       {\normalfont\LTRfootscript{\@thefnmark}}%
11767     \else
11768       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
11769     \fi
11770   \fi}
11771 \bidi@ensure@newcommand{\RTLfootfootmark}{%
11772   \ifdim\footmarkwidth < \z@
11773     \llap{\hb@xt@ -\footmarkwidth{%
11774       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
11775     \hspace*{-\footmarkwidth}}%
11776   \else
11777     \ifdim\footmarkwidth = \z@
11778       {\normalfont\RTLfootscript{\@thefnmark}}%
11779     \else
11780       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
11781     \fi
11782   \fi}
11783 \footmarkstyle{\textsuperscript{#1}}
11784 \LTRfootmarkstyle{\textsuperscript{#1}}
11785 \RTLfootmarkstyle{\textsuperscript{#1}}
11786 \newcommand*{\bidi@normal@footmarkwidth}{%
11787   \setlength{\footmarkwidth}{1em plus.4em minus.4em}%

```



```

11788 }
11789 \newcommand*{\bidi@star@footmarkwidth}{%
11790   \setlength{\footmarkwidth}{0em plus.4em minus.4em}%
11791 }
11792 \bidi@normal@footmarkwidth
11793 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
11794 \bidi@ensure@newcommand*{\extrafeetins}{%
11795   \setbox\@outputbox \vbox{%
11796     \boxmaxdepth \@maxdepth
11797     \unvbox\@outputbox
11798     \ifvoid\footinsv@r
11799       \ifvoid\footinsv@l
11800         \else
11801           \@footstartv@l
11802           \@LTRfootgroupv@l
11803         \fi
11804       \else
11805         \@footstartv@r
11806         \@footgroupv@r
11807         \ifvoid\footinsv@l
11808         \else
11809           \@@footstart@@v@l
11810           \@LTRfootgroupv@l
11811         \fi
11812       \fi
11813       \ifvoid\@bidi@copyins@
11814       \else
11815         \vskip \skip\@bidi@copyins@
11816         \color@begingroup
11817         \normalcolor
11818         \unvbox \@bidi@copyins@
11819         \color@endgroup
11820       \fi
11821       \extrafeetinshook}}
11822 \bidi@ensure@newcommand{\extrafeetinshook}{%
11823 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
11824 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
11825 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
11826 \bidi@ensure@newlength{\footinsdim}
11827 \setlength{\footinsdim}{8in} % standard for \dimen\footins
11828 \bidi@ensure@newcommand{\@preamfntext}{%
11829 \interlinepenalty\interfootnotelinepenalty
11830 \floatingpenalty \@MM
11831 \splittopskip=\footnotesep
11832 \splitmaxdepth=\dp\strutbox
11833 \@parboxrestore}
11834 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
11835 \extrafeetminihook}
11836 \bidi@ensure@newcommand{\extrafeetendmini}{%
11837 \ifvoid\@mpfootinsv@r
11838 \ifvoid\@mpfootinsv@l
11839 \else
11840 \vskip\skip\@mpfootins
11841 \normalcolor

```



```

11842     \if@bidi@void@@mpfootins
11843         \footnoterule
11844     \fi
11845     \mp@LTRfootgroupv@l
11846 \fi
11847 \else
11848     \vskip\skip\@mpfootins
11849     \normalcolor
11850     \if@bidi@void@@mpfootins
11851         \footnoterule
11852     \fi
11853     \mp@footgroupv@r
11854     \ifvoid\@mpfootinsv@l
11855     \else
11856         \vskip\skip\@mpfootins
11857         \normalcolor\mp@LTRfootgroupv@l
11858     \fi
11859 \fi
11860 \extrafeetendminihook}
11861 \bidi@ensure@newcommand{\extrafeetendminihook}{%}
11862 \bidi@ensure@newcommand{\m@doextrafeetendmini}{\extrafeetendmini}
11863 \def\endminipage{%
11864     \par
11865     \unskip
11866     \ifvoid\@mpfootins
11867         \global\@bidi@void@@mpfootinstrue
11868     \else
11869         \global\@bidi@void@@mpfootinsfalse
11870         \vskip\skip\@mpfootins
11871         \normalcolor
11872         \footnoterule
11873         \unvbox\@mpfootins
11874     \fi
11875     \m@doextrafeetendmini
11876     \@minipagefalse
11877     \color@endgroup
11878     \egroup
11879     \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11880 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
11881     \@namedef{@footstart#1}{%
11882         \if@bidi@void@footins
11883             \bidi@mopfn@bottom
11884         \fi
11885         \leftskip=\z@
11886         \rightskip=\z@
11887         \parindent=\z@
11888         \vskip\skip\footins
11889         \if@bidi@void@footins
11890             \footnoterule
11891         \fi}}
11892 \newcommand{\bidi@make@footstart@@}[1]{%
11893     \@namedef{@@footstart@@#1}{%
11894         \leftskip=\z@
11895         \rightskip=\z@

```



```

11896 \parindent=\z@
11897 \vskip\skip\footins}}
11898 \newinsert\footinsv@r
11899 \skip\footinsv@r\bigskipamount
11900 \count\footinsv@r=1000 % no magnification
11901 \dimen\footinsv@r=\footinsdim
11902 \m@make@footstart{v@r}
11903 \newinsert\footinsv@l
11904 \skip\footinsv@l\bigskipamount
11905 \count\footinsv@l=1000 % no magnification
11906 \dimen\footinsv@l=\footinsdim
11907 \m@make@footstart{v@l}
11908 \bidi@make@footstart@@{v@l}
11909 \bidi@ensure@newcommand{\@footgroupv@r}{}
11910 \newinsert\@mpfootinsv@r
11911 \newinsert\@mpfootinsv@l
11912 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
11913 \newcount\m@m@k \newdimen\m@m@h
11914 \@ifpackageloaded{multicol}{%
11915 \bidi@ensure@newcommand*\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
11916 \hsize\textwidth
11917 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
11918 \valign{##\vfill\cr\m@m@dosplits}\endR}}
11919 \newcommand*\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
11920 \hsize\textwidth
11921 \@@line{\splittopskip=\m@m@h \vbadness=\@M \hfilneg
11922 \valign{##\vfill\cr\m@m@dosplits}}}
11923 }{%
11924 \bidi@ensure@newcommand*\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
11925 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
11926 \valign{##\vfill\cr\m@m@dosplits}\endR}}
11927 \newcommand*\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
11928 \@@line{\splittopskip=\m@m@h \vbadness=\@M \hfilneg
11929 \valign{##\vfill\cr\m@m@dosplits}}}
11930 }
11931 \bidi@ensure@newcommand*\m@m@dosplits{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
11932 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
11933 \bidi@ensure@newcommand*\m@m@splitoff{\dimen0=\ht0
11934 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
11935 \setbox2 \vsplit0 to \dimen0
11936 \unvbox2 }
11937 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
11938 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11939 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
11940 \@bidi@before@Hy@hyperfootnotes
11941 \let\@footnotetext\@twocolfootnotetext
11942 \let\@LTRfootnotetext\@twocolLTRfootnotetext
11943 \let\@RTLfootnotetext\@twocolRTLfootnotetext
11944 \dimen\footinsv@r=2\footinsdim
11945 \count\footinsv@r=500\relax
11946 \m@make@twocol@footgroup{v@r}%
11947 \let\@footgroupv@r\@twocol@footgroupv@r
11948 \dimen\footinsv@l=2\footinsdim
11949 \count\footinsv@l=500\relax

```



```

11950 \bidi@make@twocol@LTRfootgroup{v@1}%
11951 \let\@LTRfootgroupv@1\@twocol@LTRfootgroupv@1
11952 \let\@mpfootnotetext\@mptwocolfootnotetext
11953 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
11954 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
11955 \@bidi@after@Hy@hyperfootnotes
11956 \m@make@mptwocol@footgroup{v@r}%
11957 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
11958 \bidi@make@mptwocol@LTRfootgroup{v@1}%
11959 \let\mp@LTRfootgroupv@1\@mptwocol@LTRfootgroupv@1
11960 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11961 }
11962 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert
11963   \if@RTL@footnote
11964     \footinsv@r
11965   \else
11966     \footinsv@l
11967   \fi
11968 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11969   \def\baselinestretch{\m@m@footnote@spacing}%
11970   \reset@font\foottextfont
11971   \@preamfntext
11972   \protected@edef\@currentlabel{%
11973     \csname p@footnote\endcsname\@thefnmark}%
11974   \color@begingroup
11975     \@twocolfootfmt{#1}%
11976   \color@endgroup}%
11977   \m@mmf@prepare}
11978 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
11979   \def\baselinestretch{\m@m@footnote@spacing}%
11980   \reset@font\LTRfoottextfont
11981   \@preamfntext
11982   \protected@edef\@currentlabel{%
11983     \csname p@footnote\endcsname\@thefnmark}%
11984   \color@begingroup
11985     \@twocolLTRfootfmt{#1}%
11986   \color@endgroup}%
11987   \m@mmf@prepare}
11988 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11989   \def\baselinestretch{\m@m@footnote@spacing}%
11990   \reset@font\RTLfoottextfont
11991   \@preamfntext
11992   \protected@edef\@currentlabel{%
11993     \csname p@footnote\endcsname\@thefnmark}%
11994   \color@begingroup
11995     \@twocolRTLfootfmt{#1}%
11996   \color@endgroup}%
11997   \m@mmf@prepare}
11998 \bidi@ensure@newcommand{\@preamtwofmt}{%
11999   \hspace{.45\hspace}
12000   \parindent=\z@
12001   \tolerance=5000\relax
12002   \leavevmode}
12003 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%

```




```

12004 \@preamtwofmt
12005 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12006 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
12007 \@preamtwofmt
12008 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12009 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12010 \@preamtwofmt
12011 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12012 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12013 \global\setbox
12014 \if@RTL@footnote
12015 \@mpfootinsv@r
12016 \else
12017 \@mpfootinsv@l
12018 \fi
12019 \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12020 \unvbox
12021 \if@RTL@footnote
12022 \@mpfootinsv@r
12023 \else
12024 \@mpfootinsv@l
12025 \fi
12026 \def\baselinestretch{\m@m@footnote@spacing}%
12027 \reset@font\foottextfont
12028 \hsize\columnwidth \@parboxrestore
12029 \protected@edef\@currentlabel{%
12030 \csname p@mpfootnote\endcsname\@thefnmark}%
12031 \color@begingroup
12032 \@twocolfootfmt{#1}%
12033 \color@endgroup}%
12034 \m@m@mmf@prepare}
12035 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12036 \global\setbox\@mpfootinsv@l\vbox{\@RTLfalse%
12037 \unvbox\@mpfootinsv@l
12038 \def\baselinestretch{\m@m@footnote@spacing}%
12039 \reset@font\LTRfoottextfont
12040 \hsize\columnwidth \@parboxrestore
12041 \protected@edef\@currentlabel{%
12042 \csname p@mpfootnote\endcsname\@thefnmark}%
12043 \color@begingroup
12044 \@twocolLTRfootfmt{#1}%
12045 \color@endgroup}%
12046 \m@m@mmf@prepare}
12047 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
12048 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
12049 \unvbox\@mpfootinsv@r
12050 \def\baselinestretch{\m@m@footnote@spacing}%
12051 \reset@font\RTLfoottextfont
12052 \hsize\columnwidth \@parboxrestore
12053 \protected@edef\@currentlabel{%
12054 \csname p@mpfootnote\endcsname\@thefnmark}%
12055 \color@begingroup
12056 \@twocolRTLfootfmt{#1}%
12057 \color@endgroup}%

```



```

12058 \m@mmf@prepare}
12059 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
12060 \@namedef{@twocol@footgroup#1}{%
12061 \def\baselinestretch{\m@m@footnote@spacing}%
12062 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12063 \m@mrigidbodybalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
12064 \newcommand{\bidi@make@twocol@LTRfootgroup}[1]{%
12065 \@namedef{@twocol@LTRfootgroup#1}{%
12066 \def\baselinestretch{\m@m@footnote@spacing}%
12067 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12068 \bidi@LTRigidbodybalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
12069 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
12070 \@namedef{@mptwocol@footgroup#1}{%
12071 \def\baselinestretch{\m@m@footnote@spacing}%
12072 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12073 \m@mrigidbodybalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}%
12074 \newcommand{\bidi@make@mptwocol@LTRfootgroup}[1]{%
12075 \@namedef{@mptwocol@LTRfootgroup#1}{%
12076 \def\baselinestretch{\m@m@footnote@spacing}%
12077 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12078 \bidi@LTRigidbodybalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}%
12079 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12080 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12081 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12082 \@bidi@before@Hy@hyperfootnotes
12083 \let\@footnotetext\@threecolfootnotetext
12084 \let\@LTRfootnotetext\@threecolLTRfootnotetext
12085 \let\@RTLfootnotetext\@threecolRTLfootnotetext
12086 \dimen\footinsv@r=3\footinsdim
12087 \count\footinsv@r=333\relax
12088 \m@make@threecol@footgroup{v@r}%
12089 \let\@footgroupv@r\@threecol@footgroupv@r
12090 \dimen\footinsv@l=3\footinsdim
12091 \count\footinsv@l=333\relax
12092 \bidi@make@threecol@LTRfootgroup{v@l}%
12093 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12094 \let\@mpfootnotetext\@mpthreecolfootnotetext
12095 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
12096 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
12097 \@bidi@after@Hy@hyperfootnotes
12098 \m@make@mpthreecol@footgroup{v@r}%
12099 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12100 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12101 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12102 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12103 }
12104 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12105 \if@RTL@footnote
12106 \footinsv@r
12107 \else
12108 \footinsv@l
12109 \fi
12110 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12111 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12112 \reset@font\foottextfont
12113 \@preamfntext
12114 \protected@edef\@currentlabel{%
12115   \csname p@footnote\endcsname\@thefnmark}%
12116 \color@begingroup
12117   \@threecolfootfmt{#1}%
12118 \color@endgroup}\m@mmf@prepare}
12119 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12120   \def\baselinestretch{\m@m@footnote@spacing}%
12121   \reset@font\LTRfoottextfont
12122   \@preamfntext
12123   \protected@edef\@currentlabel{%
12124     \csname p@footnote\endcsname\@thefnmark}%
12125   \color@begingroup
12126     \@threecolLTRfootfmt{#1}%
12127   \color@endgroup}\m@mmf@prepare}
12128 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12129   \def\baselinestretch{\m@m@footnote@spacing}%
12130   \reset@font\RTLfoottextfont
12131   \@preamfntext
12132   \protected@edef\@currentlabel{%
12133     \csname p@footnote\endcsname\@thefnmark}%
12134   \color@begingroup
12135     \@threecolRTLfootfmt{#1}%
12136   \color@endgroup}\m@mmf@prepare}
12137 \bidi@ensure@newcommand{\@preamthreefmt}{%
12138   \hspace{.3\hspace}
12139   \parindent=\z@
12140   \tolerance=5000\relax
12141   \leavevmode}
12142 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12143   \@preamthreefmt
12144   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12145 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12146   \@preamthreefmt
12147   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12148 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
12149   \@preamthreefmt
12150   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12151 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12152   \global\setbox
12153     \if@RTL@footnote
12154     \@mpfootinsv@r
12155   \else
12156     \@mpfootinsv@l
12157   \fi
12158   \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12159     \unvbox
12160     \if@RTL@footnote
12161     \@mpfootinsv@r
12162   \else
12163     \@mpfootinsv@l
12164   \fi
12165   \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12166 \reset@font\foottextfont
12167 \hsize\columnwidth \@parboxrestore
12168 \protected@edef\@currentlabel{%
12169 \csname p@mpfootnote\endcsname\@thefnmark}%
12170 \color@begingroup
12171 \@threecolfootfmt{#1}%
12172 \color@endgroup}\m@mmf@prepare}
12173 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
12174 \global\setbox\@mpfootinsv@l\vbox{\@RTLfalse%
12175 \unvbox\@mpfootinsv@l
12176 \def\baselinestretch{\m@m@footnote@spacing}%
12177 \reset@font\LTRfoottextfont
12178 \hsize\columnwidth \@parboxrestore
12179 \protected@edef\@currentlabel{%
12180 \csname p@mpfootnote\endcsname\@thefnmark}%
12181 \color@begingroup
12182 \@threecolLTRfootfmt{#1}%
12183 \color@endgroup}\m@mmf@prepare}
12184 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
12185 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
12186 \unvbox\@mpfootinsv@r
12187 \def\baselinestretch{\m@m@footnote@spacing}%
12188 \reset@font\RTLfoottextfont
12189 \hsize\columnwidth \@parboxrestore
12190 \protected@edef\@currentlabel{%
12191 \csname p@mpfootnote\endcsname\@thefnmark}%
12192 \color@begingroup
12193 \@threecolRTLfootfmt{#1}%
12194 \color@endgroup}\m@mmf@prepare}
12195 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12196 \@namedef{\@threecol@footgroup#1}{%
12197 \def\baselinestretch{\m@m@footnote@spacing}%
12198 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12199 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}%
12200 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12201 \@namedef{\@threecol@LTRfootgroup#1}{%
12202 \def\baselinestretch{\m@m@footnote@spacing}%
12203 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12204 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}%
12205 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12206 \@namedef{\@mpthreecol@footgroup#1}{%
12207 \def\baselinestretch{\m@m@footnote@spacing}%
12208 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12209 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{\thr@@}{\splittopskip}}}%
12210 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12211 \@namedef{\@mpthreecol@LTRfootgroup#1}{%
12212 \def\baselinestretch{\m@m@footnote@spacing}%
12213 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12214 \bidi@LTRrigidbalance{\@nameuse{\@mpfootins#1}}{\thr@@}{\splittopskip}}}%
12215 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12216 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12217 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12218 \@bidi@before@Hy@hyperfootnotes
12219 \let\@footnotetext\@fourcolfootnotetext

```



```

12220 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
12221 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
12222 \dimen\footinsv@r=4\footinsdim
12223 \count\footinsv@r=250\relax
12224 \m@make@fourcol@footgroup{v@r}%
12225 \let\@footgroupv@r\@fourcol@footgroupv@r
12226 \dimen\footinsv@l=4\footinsdim
12227 \count\footinsv@l=250\relax
12228 \bidi@make@fourcol@LTRfootgroup{v@l}%
12229 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12230 \let\@mpfootnotetext\@mpfourcolfootnotetext
12231 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
12232 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
12233 \@bidi@after@Hy@hyperfootnotes
12234 \m@make@mpfourcol@footgroup{v@r}%
12235 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12236 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12237 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12238 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12239 }
12240 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12241 \if@RTL@footnote
12242 \footinsv@r
12243 \else
12244 \footinsv@l
12245 \fi
12246 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12247 \def\baselinestretch{\m@mm@footnote@spacing}%
12248 \reset@font\foottextfont
12249 \@preamfntext
12250 \protected@edef\@currentlabel{%
12251 \csname p@footnote\endcsname\@thefnmark}%
12252 \color@begingroup
12253 \@fourcolfootfmt{#1}%
12254 \color@endgroup}%
12255 \m@mmf@prepare}
12256 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12257 \def\baselinestretch{\m@mm@footnote@spacing}%
12258 \reset@font\LTRfoottextfont
12259 \@preamfntext
12260 \protected@edef\@currentlabel{%
12261 \csname p@footnote\endcsname\@thefnmark}%
12262 \color@begingroup
12263 \@fourcolLTRfootfmt{#1}%
12264 \color@endgroup}%
12265 \m@mmf@prepare}
12266 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12267 \def\baselinestretch{\m@mm@footnote@spacing}%
12268 \reset@font\RTLfoottextfont
12269 \@preamfntext
12270 \protected@edef\@currentlabel{%
12271 \csname p@footnote\endcsname\@thefnmark}%
12272 \color@begingroup
12273 \@fourcolRTLfootfmt{#1}%

```



```

12274 \color@endgroup}%
12275 \m@mmf@prepare}
12276 \bidi@ensure@newcommand{\@preamfourfmt}{%
12277 \hspace .25\hspace
12278 \parindent=\z@
12279 \tolerance=5000\relax
12280 \leavevmode}
12281 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
12282 \@preamfourfmt
12283 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12284 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
12285 \@preamfourfmt
12286 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12287 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
12288 \@preamfourfmt
12289 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12290 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
12291 \global\setbox
12292 \if@RTL@footnote
12293 \@mpfootinsv@r
12294 \else
12295 \@mpfootinsv@l
12296 \fi
12297 \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12298 \unvbox
12299 \if@RTL@footnote
12300 \@mpfootinsv@r
12301 \else
12302 \@mpfootinsv@l
12303 \fi
12304 \def\baselinestretch{\m@m@footnote@spacing}%
12305 \reset@font\foottextfont
12306 \hspace\columnwidth \@parboxrestore
12307 \protected@edef\@currentlabel{%
12308 \csname p@mpfootnote\endcsname\@thefnmark}%
12309 \color@begingroup
12310 \@fourcolfootfmt{#1}%
12311 \color@endgroup}%
12312 \m@mmf@prepare}
12313 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
12314 \global\setbox\@mpfootinsv@l\vbox{\@RTLfalse%
12315 \unvbox\@mpfootinsv@l
12316 \def\baselinestretch{\m@m@footnote@spacing}%
12317 \reset@font\LTRfoottextfont
12318 \hspace\columnwidth \@parboxrestore
12319 \protected@edef\@currentlabel{%
12320 \csname p@mpfootnote\endcsname\@thefnmark}%
12321 \color@begingroup
12322 \@fourcolLTRfootfmt{#1}%
12323 \color@endgroup}%
12324 \m@mmf@prepare}
12325 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
12326 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
12327 \unvbox\@mpfootinsv@r

```



```

12328 \def\baselinestretch{\m@m@footnote@spacing}%
12329 \reset@font\RTLfoottextfont
12330 \hsize\columnwidth \@parboxrestore
12331 \protected@edef\@currentlabel{%
12332 \csname p@mpfootnote\endcsname\@thefnmark}%
12333 \color@begingroup
12334 \@fourcolRTLfootfmt{#1}%
12335 \color@endgroup}%
12336 \m@mmf@prepare}
12337 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
12338 \@namedef{\@fourcol@footgroup#1}{%
12339 \def\baselinestretch{\m@m@footnote@spacing}%
12340 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12341 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
12342 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
12343 \@namedef{\@fourcol@LTRfootgroup#1}{%
12344 \def\baselinestretch{\m@m@footnote@spacing}%
12345 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12346 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
12347 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
12348 \@namedef{\@mpfourcol@footgroup#1}{%
12349 \def\baselinestretch{\m@m@footnote@spacing}%
12350 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12351 \m@mrigidbalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}
12352 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
12353 \@namedef{\@mpfourcol@LTRfootgroup#1}{%
12354 \def\baselinestretch{\m@m@footnote@spacing}%
12355 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12356 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}
12357 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
12358 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12359 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12360 \@bidi@before@Hy@hyperfootnotes
12361 \let\@footnotetext\@fivecolfootnotetext
12362 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
12363 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
12364 \dimen\footinsv@r=5\footinsdim
12365 \count\footinsv@r=200\relax
12366 \m@make@fivecol@footgroup{v@r}%
12367 \let\@footgroupv@r\@fivecol@footgroupv@r
12368 \dimen\footinsv@l=5\footinsdim
12369 \count\footinsv@l=200\relax
12370 \bidi@make@fivecol@LTRfootgroup{v@l}%
12371 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
12372 \let\@mpfootnotetext\@mpfivecolfootnotetext
12373 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
12374 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
12375 \@bidi@after@Hy@hyperfootnotes
12376 \m@make@mpfivecol@footgroup{v@r}%
12377 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
12378 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
12379 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
12380 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12381 }

```



```

12382 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
12383   \if@RTL@footnote
12384     \footinsv@r
12385   \else
12386     \footinsv@l
12387   \fi
12388 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12389  \def\baselinestretch{\m@m@footnote@spacing}%
12390  \reset@font\foottextfont
12391  \@preamfntext
12392  \protected@edef\@currentlabel{%
12393    \csname p@footnote\endcsname\@thefnmark}%
12394  \color@begingroup
12395    \@fivecolfootfmt{#1}%
12396  \color@endgroup}%
12397  \m@mmf@prepare}
12398 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12399  \def\baselinestretch{\m@m@footnote@spacing}%
12400  \reset@font\LTRfoottextfont
12401  \@preamfntext
12402  \protected@edef\@currentlabel{%
12403    \csname p@footnote\endcsname\@thefnmark}%
12404  \color@begingroup
12405    \@fivecolLTRfootfmt{#1}%
12406  \color@endgroup}%
12407  \m@mmf@prepare}
12408 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12409  \def\baselinestretch{\m@m@footnote@spacing}%
12410  \reset@font\RTLfoottextfont
12411  \@preamfntext
12412  \protected@edef\@currentlabel{%
12413    \csname p@footnote\endcsname\@thefnmark}%
12414  \color@begingroup
12415    \@fivecolRTLfootfmt{#1}%
12416  \color@endgroup}%
12417  \m@mmf@prepare}
12418 \bidi@ensure@newcommand{\@preamfivefmt}{%
12419   \hspace{.2\hspace}
12420   \parindent=\z@
12421   \tolerance=5000\relax
12422   \leavevmode}
12423 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
12424   \@preamfivefmt
12425   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12426 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
12427   \@preamfivefmt
12428   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12429 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
12430   \@preamfivefmt
12431   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12432 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
12433   \global\setbox
12434     \if@RTL@footnote
12435     \@mpfootinsv@r

```




```

12436 \else
12437   \mpfootinsv@l
12438 \fi
12439 \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12440   \unvbox
12441   \if@RTL@footnote
12442   \mpfootinsv@r
12443 \else
12444   \mpfootinsv@l
12445 \fi
12446   \def\baselinestretch{\m@m@footnote@spacing}%
12447   \reset@font\foottextfont
12448   \hsize\columnwidth \@parboxrestore
12449   \protected@edef\@currentlabel{%
12450     \csname p@mpfootnote\endcsname\@thefnmark}%
12451 \color@begingroup
12452   \@fivecolfootfmt{#1}%
12453 \color@endgroup}%
12454 \m@m@prepare}
12455 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
12456   \global\setbox\@mpfootinsv@l\vbox{\@RTLfalse%
12457     \unvbox\@mpfootinsv@l
12458     \def\baselinestretch{\m@m@footnote@spacing}%
12459     \reset@font\LTRfoottextfont
12460     \hsize\columnwidth \@parboxrestore
12461     \protected@edef\@currentlabel{%
12462       \csname p@mpfootnote\endcsname\@thefnmark}%
12463 \color@begingroup
12464   \@fivecolLTRfootfmt{#1}%
12465 \color@endgroup}%
12466 \m@m@prepare}
12467 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
12468   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
12469     \unvbox\@mpfootinsv@r
12470     \def\baselinestretch{\m@m@footnote@spacing}%
12471     \reset@font\RTLfoottextfont
12472     \hsize\columnwidth \@parboxrestore
12473     \protected@edef\@currentlabel{%
12474       \csname p@mpfootnote\endcsname\@thefnmark}%
12475 \color@begingroup
12476   \@fivecolRTLfootfmt{#1}%
12477 \color@endgroup}%
12478 \m@m@prepare}
12479 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
12480   \@namedef{@fivecol@footgroup#1}{%
12481     \def\baselinestretch{\m@m@footnote@spacing}%
12482     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12483     \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
12484 \newcommand{\bidi@make@fivecol@LTRfootgroup}[1]{%
12485   \@namedef{@fivecol@LTRfootgroup#1}{%
12486     \def\baselinestretch{\m@m@footnote@spacing}%
12487     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12488     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
12489 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%

```



```

12490 \@namedef{@mpfivecol@footgroup#1}{%
12491   \def\baselinestretch{\m@m@footnote@spacing}%
12492   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12493   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
12494 \newcommand{\bidi@make@mpfivecol@LTRfootgroup}[1]{%
12495 \@namedef{@mpfivecol@LTRfootgroup#1}{%
12496   \def\baselinestretch{\m@m@footnote@spacing}%
12497   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12498   \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
12499 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
12500   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12501   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12502   \@bidi@before@Hy@hyperfootnotes
12503   \let\@footnotetext\@sixcolfootnotetext
12504   \let\@LTRfootnotetext\@sixcolLTRfootnotetext
12505   \let\@RTLfootnotetext\@sixcolRTLfootnotetext
12506   \dimen\footinsv@r=6\footinsdim
12507   \count\footinsv@r=166\relax
12508   \m@make@sixcol@footgroup{v@r}%
12509   \let\@footgroupv@r\@sixcol@footgroupv@r
12510   \dimen\footinsv@l=6\footinsdim
12511   \count\footinsv@l=166\relax
12512   \bidi@make@sixcol@LTRfootgroup{v@l}%
12513   \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
12514   \let\@mpfootnotetext\@mpsixcolfootnotetext
12515   \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
12516   \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
12517   \@bidi@after@Hy@hyperfootnotes
12518   \m@make@mpsixcol@footgroup{v@r}%
12519   \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
12520   \bidi@make@mpsixcol@LTRfootgroup{v@l}%
12521   \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
12522   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12523 }
12524 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
12525   \if@RTL@footnote
12526     \footinsv@r
12527   \else
12528     \footinsv@l
12529   \fi
12530 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12531   \def\baselinestretch{\m@m@footnote@spacing}%
12532   \reset@font\foottextfont
12533   \@preamfntext
12534   \protected@edef\@currentlabel{%
12535     \csname p@footnote\endcsname\@thefnmark}%
12536   \color@begingroup
12537     \@sixcolfootfmt{#1}%
12538   \color@endgroup}%
12539   \m@mmf@prepare}
12540 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12541   \def\baselinestretch{\m@m@footnote@spacing}%
12542   \reset@font\LTRfoottextfont
12543   \@preamfntext

```



```

12544 \protected@edef\@currentlabel{%
12545   \csname p@footnote\endcsname\@thefnmark}%
12546 \color@begingroup
12547   \@sixcolLTRfootfmt{#1}%
12548 \color@endgroup}%
12549 \m@mmf@prepare}
12550 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12551   \def\baselinestretch{\m@m@footnote@spacing}%
12552   \reset@font\RTLfoottextfont
12553   \@preamfntext
12554   \protected@edef\@currentlabel{%
12555     \csname p@footnote\endcsname\@thefnmark}%
12556   \color@begingroup
12557     \@sixcolRTLfootfmt{#1}%
12558   \color@endgroup}%
12559   \m@mmf@prepare}
12560 \bidi@ensure@newcommand{\@preamsixfmt}{%
12561   \hsize .16\hsize
12562   \parindent=\z@
12563   \tolerance=5000\relax
12564   \leavevmode}
12565 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
12566   \@preamsixfmt
12567   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12568 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
12569   \@preamsixfmt
12570   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12571 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
12572   \@preamsixfmt
12573   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12574 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
12575   \global\setbox
12576     \if@RTL@footnote
12577     \@mpfootinsv@r
12578   \else
12579     \@mpfootinsv@l
12580   \fi
12581   \vbox{%
12582     \unvbox
12583     \if@RTL@footnote
12584     \@mpfootinsv@r
12585   \else
12586     \@mpfootinsv@l
12587   \fi
12588   \def\baselinestretch{\m@m@footnote@spacing}%
12589   \reset@font\foottextfont
12590   \hsize\columnwidth \@parboxrestore
12591   \protected@edef\@currentlabel{%
12592     \csname p@mpfootnote\endcsname\@thefnmark}%
12593   \color@begingroup
12594     \@sixcolfootfmt{#1}%
12595   \color@endgroup}%
12596   \m@mmf@prepare}
12597 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%

```



```

12598 \global\setbox\@mpfootinsv@l\vbox{%
12599   \unvbox\@mpfootinsv@l
12600   \def\baselinestretch{\m@m@footnote@spacing}%
12601   \reset@font\LTRfoottextfont
12602   \hsize\columnwidth \@parboxrestore
12603   \protected@edef\@currentlabel{%
12604     \csname p@mpfootnote\endcsname\@thefnmark}%
12605   \color@begingroup
12606     \@sixcolLTRfootfmt{#1}%
12607   \color@endgroup}%
12608   \m@m@mmf@prepare}
12609 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
12610   \global\setbox\@mpfootinsv@r\vbox{%
12611     \unvbox\@mpfootinsv@r
12612     \def\baselinestretch{\m@m@footnote@spacing}%
12613     \reset@font\RTLfoottextfont
12614     \hsize\columnwidth \@parboxrestore
12615     \protected@edef\@currentlabel{%
12616       \csname p@mpfootnote\endcsname\@thefnmark}%
12617     \color@begingroup
12618       \@sixcolRTLfootfmt{#1}%
12619     \color@endgroup}%
12620     \m@m@mmf@prepare}
12621 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
12622   \@namedef{\@sixcol@footgroup#1}{%
12623     \def\baselinestretch{\m@m@footnote@spacing}%
12624     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12625     \m@m@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
12626 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
12627   \@namedef{\@sixcol@LTRfootgroup#1}{%
12628     \def\baselinestretch{\m@m@footnote@spacing}%
12629     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12630     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
12631 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
12632   \@namedef{\@mpsixcol@footgroup#1}{%
12633     \def\baselinestretch{\m@m@footnote@spacing}%
12634     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12635     \m@m@rigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
12636 \newcommand{\bidi@make@mpsixcol@LTRfootgroup}[1]{%
12637   \@namedef{\@mpsixcol@LTRfootgroup#1}{%
12638     \def\baselinestretch{\m@m@footnote@spacing}%
12639     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12640     \bidi@LTRrigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
12641 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
12642   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12643   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12644   \@bidi@before@Hy@hyperfootnotes
12645   \let\@footnotetext\@sevendcolfootnotetext
12646   \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
12647   \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
12648   \dimen\footinsv@r=7\footinsdim
12649   \count\footinsv@r=142\relax
12650   \m@make@sevendcol@footgroup{v@r}%
12651   \let\@footgroupv@r\@sevendcol@footgroupv@r

```



```

12652 \dimen\footinsv@l=7\footinsdim
12653 \count\footinsv@l=142\relax
12654 \bidi@make@sevenscol@LTRfootgroup{v@l}%
12655 \let\@LTRfootgroupv@l\@sevenscol@LTRfootgroupv@l
12656 \let\@mpfootnotetext\@mpsevenscolfootnotetext
12657 \let\@mpLTRfootnotetext\@mpsevenscolLTRfootnotetext
12658 \let\@mpRTLfootnotetext\@mpsevenscolRTLfootnotetext
12659 \@bidi@after@Hy@hyperfootnotes
12660 \m@make@mpsevenscol@footgroup{v@r}%
12661 \let\mp@footgroupv@r\@mpsevenscol@footgroupv@r
12662 \bidi@make@mpsevenscol@LTRfootgroup{v@l}%
12663 \let\mp@LTRfootgroupv@l\@mpsevenscol@LTRfootgroupv@l
12664 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12665 }
12666 \bidi@ensure@newcommand{\@sevenscolfootnotetext}[1]{\insert
12667   \if@RTL@footnote
12668     \footinsv@r
12669   \else
12670     \footinsv@l
12671   \fi
12672 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12673   \def\baselinestretch{\m@mm@footnote@spacing}%
12674   \reset@font\foottextfont
12675   \@preamfntext
12676   \protected@edef\@currentlabel{%
12677     \csname p@footnote\endcsname\@thefnmark}%
12678   \color@begingroup
12679     \@sevenscolfootfmt{#1}%
12680   \color@endgroup}%
12681   \m@mmf@prepare}
12682 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12683   \def\baselinestretch{\m@mm@footnote@spacing}%
12684   \reset@font\LTRfoottextfont
12685   \@preamfntext
12686   \protected@edef\@currentlabel{%
12687     \csname p@footnote\endcsname\@thefnmark}%
12688   \color@begingroup
12689     \@sevenscolLTRfootfmt{#1}%
12690   \color@endgroup}%
12691   \m@mmf@prepare}
12692 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12693   \def\baselinestretch{\m@mm@footnote@spacing}%
12694   \reset@font\RTLfoottextfont
12695   \@preamfntext
12696   \protected@edef\@currentlabel{%
12697     \csname p@footnote\endcsname\@thefnmark}%
12698   \color@begingroup
12699     \@sevenscolRTLfootfmt{#1}%
12700   \color@endgroup}%
12701   \m@mmf@prepare}
12702 \bidi@ensure@newcommand{\@preamsevenfmt}{%
12703   \hsize .142\hsize
12704   \parindent=\z@
12705   \tolerance=5000\relax

```



```

12706 \leavevmode}
12707 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
12708 \@preamsevenfmt
12709 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12710 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
12711 \@preamsevenfmt
12712 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12713 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
12714 \@preamsevenfmt
12715 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12716 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse}
12717 \global\setbox
12718 \if@RTL@footnote
12719 \@mpfootinsv@r
12720 \else
12721 \@mpfootinsv@l
12722 \fi
12723 \vbox{%
12724 \unvbox
12725 \if@RTL@footnote
12726 \@mpfootinsv@r
12727 \else
12728 \@mpfootinsv@l
12729 \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 \@sevendcolfootfmt{#1}%
12737 \color@endgroup}%
12738 \m@m@mmf@prepare}
12739 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{\@RTLfalse%
12740 \global\setbox\@mpfootinsv@l\vbox{%
12741 \unvbox\@mpfootinsv@l
12742 \def\baselinestretch{\m@m@footnote@spacing}%
12743 \reset@font\LTRfoottextfont
12744 \hsize\columnwidth \@parboxrestore
12745 \protected@edef\@currentlabel{%
12746 \csname p@mpfootnote\endcsname\@thefnmark}%
12747 \color@begingroup
12748 \@sevendcolLTRfootfmt{#1}%
12749 \color@endgroup}%
12750 \m@m@mmf@prepare}
12751 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{\@RTLtrue%
12752 \global\setbox\@mpfootinsv@r\vbox{%
12753 \unvbox\@mpfootinsv@r
12754 \def\baselinestretch{\m@m@footnote@spacing}%
12755 \reset@font\RTLfoottextfont
12756 \hsize\columnwidth \@parboxrestore
12757 \protected@edef\@currentlabel{%
12758 \csname p@mpfootnote\endcsname\@thefnmark}%
12759 \color@begingroup

```



```

12760 \sevenscolRTLfootfmt{#1}%
12761 \color@endgroup}%
12762 \m@m@mmf@prepare}
12763 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
12764 \namedef{@sevenscol@footgroup#1}{%
12765 \def\baselinestretch{\m@m@footnote@spacing}%
12766 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12767 \m@mrigidbalance{\nameuse{footins#1}}{7}{\splittopskip}}}}
12768 \newcommand{\bidi@make@sevenscol@LTRfootgroup}[1]{%
12769 \namedef{@sevenscol@LTRfootgroup#1}{%
12770 \def\baselinestretch{\m@m@footnote@spacing}%
12771 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12772 \bidi@LTRrigidbalance{\nameuse{footins#1}}{7}{\splittopskip}}}}
12773 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
12774 \namedef{@mpsevenscol@footgroup#1}{%
12775 \def\baselinestretch{\m@m@footnote@spacing}%
12776 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12777 \m@mrigidbalance{\nameuse{mpfootins#1}}{7}{\splittopskip}}}}
12778 \newcommand{\bidi@make@mpsevenscol@LTRfootgroup}[1]{%
12779 \namedef{@mpsevenscol@LTRfootgroup#1}{%
12780 \def\baselinestretch{\m@m@footnote@spacing}%
12781 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12782 \bidi@LTRrigidbalance{\nameuse{mpfootins#1}}{7}{\splittopskip}}}}
12783 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
12784 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
12785 \namedef{foottextfontv@l}{\LTRfoottextfont}%
12786 \@bidi@before@Hy@hyperfootnotes
12787 \let\@footnotetext\@eightcolfootnotetext
12788 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
12789 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
12790 \dimen\footinsv@r=8\footinsdim
12791 \count\footinsv@r=125\relax
12792 \m@make@eightcol@footgroup{v@r}%
12793 \let\@footgroupv@r\@eightcol@footgroupv@r
12794 \dimen\footinsv@l=8\footinsdim
12795 \count\footinsv@l=125\relax
12796 \bidi@make@eightcol@LTRfootgroup{v@l}%
12797 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
12798 \let\@mpfootnotetext\@mpeightcolfootnotetext
12799 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
12800 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
12801 \@bidi@after@Hy@hyperfootnotes
12802 \m@make@mpeightcol@footgroup{v@r}%
12803 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
12804 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
12805 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
12806 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12807 }
12808 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert
12809 \if@RTL@footnote
12810 \footinsv@r
12811 \else
12812 \footinsv@l
12813 \fi

```



```

12814 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12815 \def\baselinestretch{\m@m@footnote@spacing}%
12816 \reset@font\foottextfont
12817 \@preamfntext
12818 \protected@edef\@currentlabel{%
12819 \csname p@footnote\endcsname\@thefnmark}%
12820 \color@begingroup
12821 \@eightcolfootfmt{#1}%
12822 \color@endgroup}%
12823 \m@mmf@prepare}
12824 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12825 \def\baselinestretch{\m@m@footnote@spacing}%
12826 \reset@font\LTRfoottextfont
12827 \@preamfntext
12828 \protected@edef\@currentlabel{%
12829 \csname p@footnote\endcsname\@thefnmark}%
12830 \color@begingroup
12831 \@eightcolLTRfootfmt{#1}%
12832 \color@endgroup}%
12833 \m@mmf@prepare}
12834 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12835 \def\baselinestretch{\m@m@footnote@spacing}%
12836 \reset@font\RTLfoottextfont
12837 \@preamfntext
12838 \protected@edef\@currentlabel{%
12839 \csname p@footnote\endcsname\@thefnmark}%
12840 \color@begingroup
12841 \@eightcolRTLfootfmt{#1}%
12842 \color@endgroup}%
12843 \m@mmf@prepare}
12844 \bidi@ensure@newcommand{\@preameightfmt}{%
12845 \hspace{.125\hspace}
12846 \parindent=\z@
12847 \tolerance=5000\relax
12848 \leavevmode}
12849 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
12850 \@preameightfmt
12851 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12852 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
12853 \@preameightfmt
12854 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12855 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
12856 \@preameightfmt
12857 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12858 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
12859 \global\setbox
12860 \ifRTL@footnote
12861 \mpfootinsv@r
12862 \else
12863 \mpfootinsv@l
12864 \fi
12865 \vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12866 \unvbox
12867 \ifRTL@footnote

```




```

12868 \mpfootinsv@r
12869 \else
12870 \mpfootinsv@l
12871 \fi
12872 \def\baselinestretch{\m@m@footnote@spacing}%
12873 \reset@font\foottextfont
12874 \hsize\columnwidth \@parboxrestore
12875 \protected@edef\@currentlabel{%
12876 \csname p@mpfootnote\endcsname\@thefnmark}%
12877 \color@begingroup
12878 \@eightcolfootfmt{#1}%
12879 \color@endgroup}%
12880 \m@m@mmf@prepare}
12881 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
12882 \global\setbox\@mpfootinsv@l\vbox{\@RTLfalse%
12883 \unvbox\@mpfootinsv@l
12884 \def\baselinestretch{\m@m@footnote@spacing}%
12885 \reset@font\LTRfoottextfont
12886 \hsize\columnwidth \@parboxrestore
12887 \protected@edef\@currentlabel{%
12888 \csname p@mpfootnote\endcsname\@thefnmark}%
12889 \color@begingroup
12890 \@eightcolLTRfootfmt{#1}%
12891 \color@endgroup}%
12892 \m@m@mmf@prepare}
12893 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
12894 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
12895 \unvbox\@mpfootinsv@r
12896 \def\baselinestretch{\m@m@footnote@spacing}%
12897 \reset@font\RTLfoottextfont
12898 \hsize\columnwidth \@parboxrestore
12899 \protected@edef\@currentlabel{%
12900 \csname p@mpfootnote\endcsname\@thefnmark}%
12901 \color@begingroup
12902 \@eightcolRTLfootfmt{#1}%
12903 \color@endgroup}%
12904 \m@m@mmf@prepare}
12905 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
12906 \@namedef{@eightcol@footgroup#1}{%
12907 \def\baselinestretch{\m@m@footnote@spacing}%
12908 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12909 \m@m@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
12910 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%
12911 \@namedef{@eightcol@LTRfootgroup#1}{%
12912 \def\baselinestretch{\m@m@footnote@spacing}%
12913 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12914 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
12915 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
12916 \@namedef{@mpeightcol@footgroup#1}{%
12917 \def\baselinestretch{\m@m@footnote@spacing}%
12918 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12919 \m@m@rigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}%
12920 \newcommand{\bidi@make@mpeightcol@LTRfootgroup}[1]{%
12921 \@namedef{@mpeightcol@LTRfootgroup#1}{%

```



```

12922 \def\baselinestretch{\m@m@footnote@spacing}%
12923 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12924 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
12925 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
12926 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12927 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12928 \@bidi@before@Hy@hyperfootnotes
12929 \let\@footnotetext\@ninecolfootnotetext
12930 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
12931 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
12932 \dimen\footinsv@r=9\footinsdim
12933 \count\footinsv@r=111\relax
12934 \m@make@ninecol@footgroup{v@r}%
12935 \let\@footgroupv@r\@ninecol@footgroupv@r
12936 \dimen\footinsv@l=9\footinsdim
12937 \count\footinsv@l=111\relax
12938 \bidi@make@ninecol@LTRfootgroup{v@l}%
12939 \let\@LTRfootgroupv@l\@ninecol@LTRfootgroupv@l
12940 \let\@mpfootnotetext\@mpninecolfootnotetext
12941 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
12942 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
12943 \@bidi@after@Hy@hyperfootnotes
12944 \m@make@mpninecol@footgroup{v@r}%
12945 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
12946 \bidi@make@mpninecol@LTRfootgroup{v@l}%
12947 \let\mp@LTRfootgroupv@l\@mpninecol@LTRfootgroupv@l
12948 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12949 }
12950 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert
12951 \ifRTL@footnote
12952 \footinsv@r
12953 \else
12954 \footinsv@l
12955 \fi
12956 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12957 \def\baselinestretch{\m@m@footnote@spacing}%
12958 \reset@font\foottextfont
12959 \@preamfntext
12960 \protected@edef\@currentlabel{%
12961 \csname p@footnote\endcsname\@thefnmark}%
12962 \color@begingroup
12963 \@ninecolfootfmt{#1}%
12964 \color@endgroup}%
12965 \m@mmf@prepare}
12966 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12967 \def\baselinestretch{\m@m@footnote@spacing}%
12968 \reset@font\LTRfoottextfont
12969 \@preamfntext
12970 \protected@edef\@currentlabel{%
12971 \csname p@footnote\endcsname\@thefnmark}%
12972 \color@begingroup
12973 \@ninecolLTRfootfmt{#1}%
12974 \color@endgroup}%
12975 \m@mmf@prepare}

```



```

12976 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12977 \def\baselinestretch{\m@m@footnote@spacing}%
12978 \reset@font\RTLfoottextfont
12979 \@preamfntext
12980 \protected@edef\@currentlabel{%
12981 \csname p@footnote\endcsname\@thefnmark}%
12982 \color@begingroup
12983 \@ninecolRTLfootfmt{#1}%
12984 \color@endgroup}%
12985 \m@mmf@prepare}
12986 \bidi@ensure@newcommand{\@preamninefmt}{%
12987 \hsize .1\hsize
12988 \parindent=\z@
12989 \tolerance=5000\relax
12990 \leavevmode}
12991 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
12992 \@preamninefmt
12993 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12994 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
12995 \@preamninefmt
12996 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12997 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
12998 \@preamninefmt
12999 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13000 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
13001 \global\setbox
13002 \if@RTL@footnote
13003 \@mpfootinsv@r
13004 \else
13005 \@mpfootinsv@l
13006 \fi
13007 \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13008 \unvbox
13009 \if@RTL@footnote
13010 \@mpfootinsv@r
13011 \else
13012 \@mpfootinsv@l
13013 \fi
13014 \def\baselinestretch{\m@m@footnote@spacing}%
13015 \reset@font\foottextfont
13016 \hsize\columnwidth \@parboxrestore
13017 \protected@edef\@currentlabel{%
13018 \csname p@mpfootnote\endcsname\@thefnmark}%
13019 \color@begingroup
13020 \@ninecolfootfmt{#1}%
13021 \color@endgroup}%
13022 \m@mmf@prepare}
13023 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
13024 \global\setbox\@mpfootinsv@l\vbox{\@RTLfalse%
13025 \unvbox\@mpfootinsv@l
13026 \def\baselinestretch{\m@m@footnote@spacing}%
13027 \reset@font\LTRfoottextfont
13028 \hsize\columnwidth \@parboxrestore
13029 \protected@edef\@currentlabel{%

```



```

13030 \csname p@mpfootnote\endcsname\@thefnmark}%
13031 \color@begingroup
13032 \@ninecolLTRfootfmt{#1}%
13033 \color@endgroup}%
13034 \m@mmf@prepare}
13035 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
13036 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
13037 \unvbox\@mpfootinsv@r
13038 \def\baselinestretch{\m@m@footnote@spacing}%
13039 \reset@font\RTLfoottextfont
13040 \hsize\columnwidth \@parboxrestore
13041 \protected@edef\@currentlabel{%
13042 \csname p@mpfootnote\endcsname\@thefnmark}%
13043 \color@begingroup
13044 \@ninecolRTLfootfmt{#1}%
13045 \color@endgroup}%
13046 \m@mmf@prepare}
13047 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
13048 \@namedef{\@ninecol@footgroup#1}{%
13049 \def\baselinestretch{\m@m@footnote@spacing}%
13050 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13051 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
13052 \newcommand{\bidi@make@ninecol@LTRfootgroup}[1]{%
13053 \@namedef{\@ninecol@LTRfootgroup#1}{%
13054 \def\baselinestretch{\m@m@footnote@spacing}%
13055 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13056 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
13057 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
13058 \@namedef{\@mpninecol@footgroup#1}{%
13059 \def\baselinestretch{\m@m@footnote@spacing}%
13060 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13061 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{9}{\splittopskip}}}}
13062 \newcommand{\bidi@make@mpninecol@LTRfootgroup}[1]{%
13063 \@namedef{\@mpninecol@LTRfootgroup#1}{%
13064 \def\baselinestretch{\m@m@footnote@spacing}%
13065 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13066 \bidi@LTRrigidbalance{\@nameuse{\@mpfootins#1}}{9}{\splittopskip}}}}
13067 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
13068 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13069 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13070 \@bidi@before@Hy@hyperfootnotes
13071 \let\@footnotetext\@tencolfootnotetext
13072 \let\@LTRfootnotetext\@tencolLTRfootnotetext
13073 \let\@RTLfootnotetext\@tencolRTLfootnotetext
13074 \dimen\footinsv@r=10\footinsdim
13075 \count\footinsv@r=100\relax
13076 \m@make@tencol@footgroup{v@r}%
13077 \let\@footgroupv@r\@tencol@footgroupv@r
13078 \dimen\footinsv@l=10\footinsdim
13079 \count\footinsv@l=100\relax
13080 \bidi@make@tencol@LTRfootgroup{v@l}%
13081 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
13082 \let\@mpfootnotetext\@mptencolfootnotetext
13083 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext

```



```

13084 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
13085 \@bidi@after@Hy@hyperfootnotes
13086 \m@make@mptencol@footgroup{v@r}%
13087 \let\mp@footgroupv@r\@mptencol@footgroupv@r
13088 \bidi@make@mptencol@LTRfootgroup{v@l}%
13089 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
13090 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13091 }
13092 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
13093   \if@RTL@footnote
13094     \footinsv@r
13095   \else
13096     \footinsv@l
13097   \fi
13098 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13099   \def\baselinestretch{\m@m@footnote@spacing}%
13100   \reset@font\foottextfont
13101   \@preamfntext
13102   \protected@edef\@currentlabel{%
13103     \csname p@footnote\endcsname\@thefnmark}%
13104   \color@begingroup
13105     \@tencolfootfmt{#1}%
13106   \color@endgroup}%
13107   \m@mmf@prepare}
13108 \bidi@ensure@newcommand{\@tencollTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13109   \def\baselinestretch{\m@m@footnote@spacing}%
13110   \reset@font\LTRfoottextfont
13111   \@preamfntext
13112   \protected@edef\@currentlabel{%
13113     \csname p@footnote\endcsname\@thefnmark}%
13114   \color@begingroup
13115     \@tencollTRfootfmt{#1}%
13116   \color@endgroup}%
13117   \m@mmf@prepare}
13118 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13119   \def\baselinestretch{\m@m@footnote@spacing}%
13120   \reset@font\RTLfoottextfont
13121   \@preamfntext
13122   \protected@edef\@currentlabel{%
13123     \csname p@footnote\endcsname\@thefnmark}%
13124   \color@begingroup
13125     \@tencolRTLfootfmt{#1}%
13126   \color@endgroup}%
13127   \m@mmf@prepare}
13128 \bidi@ensure@newcommand{\@preamtenfmt}{%
13129   \hspace{.1\hspace}
13130   \parindent=\z@
13131   \tolerance=5000\relax
13132   \leavevmode}
13133 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
13134   \@preamtenfmt
13135   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13136 \bidi@ensure@newcommand{\@tencollTRfootfmt}[1]{%
13137   \@preamtenfmt

```



```

13138 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13139 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
13140   \@preamtenfmt
13141   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13142 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
13143   \global\setbox
13144     \if@RTL@footnote
13145     \@mpfootinsv@r
13146   \else
13147     \@mpfootinsv@l
13148   \fi
13149   \vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13150     \unvbox
13151     \if@RTL@footnote
13152     \@mpfootinsv@r
13153   \else
13154     \@mpfootinsv@l
13155   \fi
13156   \def\baselinestretch{\m@m@footnote@spacing}%
13157   \reset@font\foottextfont
13158   \hsize\columnwidth \@parboxrestore
13159   \protected@edef\@currentlabel{%
13160     \csname p@mpfootnote\endcsname\@thefnmark}%
13161   \color@begingroup
13162     \@tencolfootfmt{#1}%
13163   \color@endgroup}%
13164   \m@m@m@prepare}
13165 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
13166   \global\setbox\@mpfootinsv@l\vbox{\@RTLfalse%
13167     \unvbox\@mpfootinsv@l
13168     \def\baselinestretch{\m@m@footnote@spacing}%
13169     \reset@font\LTRfoottextfont
13170     \hsize\columnwidth \@parboxrestore
13171     \protected@edef\@currentlabel{%
13172       \csname p@mpfootnote\endcsname\@thefnmark}%
13173     \color@begingroup
13174       \@tencolLTRfootfmt{#1}%
13175     \color@endgroup}%
13176     \m@m@m@prepare}
13177 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
13178   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
13179     \unvbox\@mpfootinsv@r
13180     \def\baselinestretch{\m@m@footnote@spacing}%
13181     \reset@font\RTLfoottextfont
13182     \hsize\columnwidth \@parboxrestore
13183     \protected@edef\@currentlabel{%
13184       \csname p@mpfootnote\endcsname\@thefnmark}%
13185     \color@begingroup
13186       \@tencolRTLfootfmt{#1}%
13187     \color@endgroup}%
13188     \m@m@m@prepare}
13189 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
13190   \@namedef{\@tencol@footgroup#1}{%
13191     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

13192 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13193 \m@r rigidbalance{\nameuse{footins#1}}{10}{\splittopskip}}}}
13194 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
13195 \namedef{@tencol@LTRfootgroup#1}{%
13196 \def\baselinestretch{\m@mm@footnote@spacing}%
13197 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13198 \bidi@LTRrigidbalance{\nameuse{footins#1}}{10}{\splittopskip}}}}
13199 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
13200 \namedef{@mptencol@footgroup#1}{%
13201 \def\baselinestretch{\m@mm@footnote@spacing}%
13202 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13203 \m@r rigidbalance{\nameuse{mpfootins#1}}{10}{\splittopskip}}}}
13204 \newcommand{\bidi@make@mptencol@LTRfootgroup}[1]{%
13205 \namedef{@mptencol@LTRfootgroup#1}{%
13206 \def\baselinestretch{\m@mm@footnote@spacing}%
13207 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13208 \bidi@LTRrigidbalance{\nameuse{mpfootins#1}}{10}{\splittopskip}}}}
13209 \bidi@ensure@newcommand{\m@munvxh}[1]{%
13210 \setbox0=\vbox{\unvbox#1%
13211 \global\setbox1=\lastbox}%
13212 \unhbox1
13213 \unskip
13214 \unskip
13215 \unpenalty
13216 \hskip\m@mipn@skip}
13217 \bidi@ensure@newcommand{\m@mungebox}{%
13218 \setbox0=\hbox{\m@munvxh0}%
13219 \dp0=\z@
13220 \ht0=\footfudgefactor\wd0
13221 \box0
13222 \penalty0}
13223 \newskip\m@mipn@skip
13224 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
13225 {\foottextfont\global\m@mipn@skip=#1\relax}}
13226 \m@minterparanoteglue{1em plus.4em minus.4em}
13227 \ifpackageloaded{multicol}{%
13228 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
13229 \hsize\textwidth%
13230 \setbox0=\hbox{}}%
13231 \loop
13232 \unpenalty
13233 \setbox2=\lastbox
13234 \ifhbox2
13235 \setbox0=\hbox{\box2\unhbox0}
13236 \repeat}%
13237 }%
13238 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
13239 \setbox0=\hbox{}}%
13240 \loop
13241 \unpenalty
13242 \setbox2=\lastbox
13243 \ifhbox2
13244 \setbox0=\hbox{\box2\unhbox0}
13245 \repeat}}

```



```

13246 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
13247 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
13248 \newcommand*{\AddExtraParaSkip[1]}{%
13249 \if@bidi@csdef{footfudgefactor}{%
13250 \PackageError{bidi}{%
13251 The control sequence `\'string\AddExtraParaSkip`
13252 must be used before the control sequence
13253 `\'string\paragraphfootnotes' in the preamble%
13254 }\@ehc
13255 }{%
13256 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
13257 }%
13258 }
13259 \bidi@ensure@newcommand{\paragraphfootnotes}{%
13260 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13261 \@bidi@before@Hy@hyperfootnotes
13262 \let\@footnotetext\@parafootnotetext
13263 \let\@LTRfootnotetext\@paraLTRfootnotetext
13264 \let\@RTLfootnotetext\@paraRTLfootnotetext
13265 \dimen\footinsv@r=\footinsdim
13266 \count\footinsv@r=1000\relax
13267 \m@make@para@footgroup{v@r}%
13268 \m@make@para@footstart{v@r}%
13269 \let\@footgroupv@r\@para@footgroupv@r
13270 \let\@footstartv@r\@para@footstartv@r
13271 \dimen\footinsv@l=\footinsdim
13272 \count\footinsv@l=1000\relax
13273 \bidi@make@para@LTRfootgroup{v@l}%
13274 \m@make@para@footstart{v@l}%
13275 \bidi@make@para@footstart@@{v@l}%
13276 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
13277 \let\@footstartv@l\@para@footstartv@l
13278 \let\@@footstart@@v@l\@@para@footstart@@v@l
13279 \let\@mpfootnotetext\@mpparafootnotetext
13280 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
13281 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
13282 \@bidi@after@Hy@hyperfootnotes
13283 \m@make@mppara@footgroup{v@r}%
13284 \bidi@make@mppara@LTRfootgroup{v@l}%
13285 \let\mp@footgroupv@r\@mppara@footgroupv@r
13286 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
13287 \begingroup
13288 \def\baselinestretch{\m@m@footnote@spacing}%
13289 \foottextfont
13290 \@tempdima\footnotesep
13291 \advance\@tempdima -\ht\strutbox
13292 \ifdim\@tempdima<z@ \@tempdima\z@ \fi
13293 \advance\@tempdima.5\normalbaselineskip
13294 \bidi@xparaskip
13295 \xdef\bidi@paraskip{\the\@tempdima\relax}%
13296 \ifdim\skip\footinsv@r>\bigskipamount
13297 \else
13298 \global\advance\skip\footinsv@r\bidi@paraskip
13299 \fi

```




```

13300 \ifdim\skip\footinsv@l>\bigskipamount
13301 \else
13302 \global\advance\skip\footinsv@l\bid@paraskip
13303 \fi
13304 \@tempdima\normalbaselineskip
13305 \multiply \@tempdima \@cclvi
13306 \@tempdimb \columnwidth
13307 \divide \@tempdimb \@cclvi
13308 \divide \@tempdima \@tempdimb
13309 \xdef\footfudgefactor{\strip@pt\@tempdima}%
13310 \endgroup
13311 \@ifstar\bid@star@footmarkwidth\bid@normal@footmarkwidth
13312 }
13313 \newcommand{\normalRTLparaLTRfootnotes}{%
13314 \@namedef{foottextfontv@r}{\foottextfont}%
13315 \@bid@before@Hy@hyperfootnotes
13316 \if@RTL@footnote
13317 \let\@footnotetext\m@mold@footnotetext
13318 \else
13319 \let\@footnotetext\@parafootnotetext
13320 \fi
13321 \let\@LTRfootnotetext\@paraLTRfootnotetext
13322 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
13323 \dimen\footinsv@r=\footinsdim
13324 \count\footinsv@r=1000\relax
13325 \m@make@para@footgroup{v@r}%
13326 \m@make@para@footstart{v@r}%
13327 \let\@footgroupv@r\@para@footgroupv@r
13328 \let\@footstartv@r\@para@footstartv@r
13329 \dimen\footinsv@l=\footinsdim
13330 \count\footinsv@l=1000\relax
13331 \bid@make@para@LTRfootgroup{v@l}%
13332 \m@make@para@footstart{v@l}%
13333 \bid@make@para@footstart@{v@l}%
13334 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
13335 \let\@footstartv@l\@para@footstartv@l
13336 \let\@footstart@v@l\@para@footstart@v@l
13337 \if@RTL@footnote
13338 \let\@mpfootnotetext\m@mold@mpfootnotetext
13339 \else
13340 \let\@mpfootnotetext\@mpparafootnotetext
13341 \fi
13342 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
13343 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
13344 \@bid@after@Hy@hyperfootnotes
13345 \m@make@mppara@footgroup{v@r}%
13346 \bid@make@mppara@LTRfootgroup{v@l}%
13347 \let\mp@footgroupv@r\@mppara@footgroupv@r
13348 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
13349 \begingroup
13350 \def\baselinestretch{\m@m@footnote@spacing}%
13351 \foottextfont
13352 \@tempdima\footnotesep
13353 \advance\@tempdima -\ht\strutbox

```



```

13354 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
13355 \advance\@tempdima.5\normalbaselineskip
13356 \bidi@xparaskip
13357 \xdef\bidi@paraskip{\the\@tempdima\relax}%
13358 \ifdim\skip\footinsv@r>\bigskipamount
13359 \else
13360 \global\advance\skip\footinsv@r\bidi@paraskip
13361 \fi
13362 \ifdim\skip\footinsv@l>\bigskipamount
13363 \else
13364 \global\advance\skip\footinsv@l\bidi@paraskip
13365 \fi
13366 \@tempdima\normalbaselineskip
13367 \multiply \@tempdima \@cclvi
13368 \@tempdimb \columnwidth
13369 \divide \@tempdimb \@cclvi
13370 \divide \@tempdima \@tempdimb
13371 \xdef\footfudgefactor{\strip@pt\@tempdima}%
13372 \endgroup
13373 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13374 }
13375 \let\bidi@xparaskip\relax
13376 \@onlypreamble\AddExtraParaSkip
13377 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
13378 \if@RTL@footnote
13379 \footinsv@r
13380 \else
13381 \footinsv@l
13382 \fi
13383 {%
13384 \let\bidi@RTL@everypar\@empty%
13385 \def\baselinestretch{\m@n@footnote@spacing}%
13386 \reset@font\foottextfont
13387 \@preamfntext
13388 \protected@edef\@currentlabel{%
13389 \csname p@footnote\endcsname\@thefnmark}%
13390 \setbox0=\vbox{\hsize=\maxdimen
13391 \color@begingroup
13392 \noindent \@parafootfmt{#1}%
13393 \color@endgroup}%
13394 \m@nungebox}\m@mmf@prepare}
13395 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
13396 \let\bidi@RTL@everypar\@empty%
13397 \def\baselinestretch{\m@n@footnote@spacing}%
13398 \reset@font\LTRfoottextfont
13399 \@preamfntext
13400 \protected@edef\@currentlabel{%
13401 \csname p@footnote\endcsname\@thefnmark}%
13402 \setbox0=\vbox{\hsize=\maxdimen
13403 \color@begingroup
13404 \noindent \@paraLTRfootfmt{#1}%
13405 \color@endgroup}%
13406 \m@nungebox}\m@mmf@prepare}
13407 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%

```



```

13408 \let\bidirTL@everypar\@empty%
13409 \def\baselinestretch{\m@m@footnote@spacing}%
13410 \reset@font\RTLfoottextfont
13411 \@preamfntext
13412 \protected@edef\@currentlabel{%
13413   \csname p@footnote\endcsname\@thefnmark}%
13414 \setbox0=\vbox{\hsize=\maxdimen
13415   \color@begingroup
13416     \noindent \@paraRTLfootfmt{#1}%
13417   \color@endgroup}%
13418 \m@mungebox}\m@mmf@prepare}
13419 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
13420   \parindent=\z@
13421   \parfillskip=0pt \@plus 1fil
13422   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
13423 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
13424   \parindent=\z@
13425   \parfillskip=0pt \@plus 1fil
13426   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
13427 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
13428   \parindent=\z@
13429   \parfillskip=0pt \@plus 1fil
13430   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
13431 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
13432   \global\setbox
13433   \if@RTL@footnote
13434     \@mpfootinsv@r
13435   \else
13436     \@mpfootinsv@l
13437   \fi
13438   \vbox{%
13439     \let\bidirTL@everypar\@empty%
13440     \def\baselinestretch{\m@m@footnote@spacing}%
13441     \unvbox
13442     \if@RTL@footnote
13443       \@mpfootinsv@r
13444     \else
13445       \@mpfootinsv@l
13446     \fi
13447     \reset@font\foottextfont
13448     \hsize\columnwidth \@parboxrestore
13449     \protected@edef\@currentlabel{%
13450       \csname p@mpfootnote\endcsname\@thefnmark}%
13451     \setbox0=\vbox{\hsize=\maxdimen
13452       \color@begingroup
13453         \noindent \@parafootfmt{#1}%
13454       \color@endgroup}%
13455     \m@mungebox}\m@mmf@prepare}
13456 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
13457   \global\setbox\@mpfootinsv@l\vbox{%
13458     \let\bidirTL@everypar\@empty%
13459     \def\baselinestretch{\m@m@footnote@spacing}%
13460     \unvbox\@mpfootinsv@l
13461     \reset@font\LTRfoottextfont

```



```

13462 \hsize\columnwidth \@parboxrestore
13463 \protected@edef\@currentlabel{%
13464 \csname p@mpfootnote\endcsname\@thefnmark}%
13465 \setbox0=\vbox{\hsize=\maxdimen
13466 \color@begingroup
13467 \noindent \@paraLTRfootfmt{#1}%
13468 \color@endgroup}%
13469 \m@ungebox}\m@mfm@prepare}
13470 \bidi@ensure@newcommand{\m@pparaRTLfootnotetext}[1]{%
13471 \global\setbox\@mpfootins\@r\vbox{%
13472 \let\bidi@RTL@everypar\@empty%
13473 \def\baselinestretch{\m@m@footnote@spacing}%
13474 \unvbox\@mpfootins\@r
13475 \reset@font\RTLfoottextfont
13476 \hsize\columnwidth \@parboxrestore
13477 \protected@edef\@currentlabel{%
13478 \csname p@mpfootnote\endcsname\@thefnmark}%
13479 \setbox0=\vbox{\hsize=\maxdimen
13480 \color@begingroup
13481 \noindent \@paraRTLfootfmt{#1}%
13482 \color@endgroup}%
13483 \m@ungebox}\m@mfm@prepare}
13484 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
13485 \@namedef{\@para@footgroup#1}{%
13486 \unvbox\@nameuse{footins#1}
13487 \@RTLtrue
13488 \m@mmakehboxofhboxes
13489 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13490 \@parboxrestore%
13491 \def\baselinestretch{\m@m@footnote@spacing}%
13492 \@nameuse{foottextfont#1}%
13493 \noindent\unhbox0\par}}
13494 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
13495 \@namedef{\@para@LTRfootgroup#1}{%
13496 \unvbox\@nameuse{footins#1}
13497 \@RTLfalse
13498 \m@mmakehboxofhboxes
13499 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13500 \@parboxrestore%
13501 \def\baselinestretch{\m@m@footnote@spacing}%
13502 \@nameuse{foottextfont#1}%
13503 \noindent\unhbox0\par}}
13504 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
13505 \@namedef{\@mppara@footgroup#1}{%
13506 \unvbox\@nameuse{\@mpfootins#1}
13507 \@RTLtrue
13508 \m@mmakehboxofhboxes
13509 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13510 \def\baselinestretch{\m@m@footnote@spacing}%
13511 \@nameuse{foottextfont#1}%
13512 \noindent\unhbox0\par}}
13513 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
13514 \@namedef{\@mppara@LTRfootgroup#1}{%
13515 \unvbox\@nameuse{\@mpfootins#1}

```



```

13516 \RTLfalse
13517 \m@mmakehboxofhboxes
13518 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
13519 \def\baselinestretch{\m@m@footnote@spacing}%
13520 \@nameuse{foottextfont#1}%
13521 \noindent\unhbox0\par}}
13522 \bidi@ensure@newcommand{\m@m@make@para@footstart}[1]{%
13523 \@namedef{@para@footstart#1}{%
13524 \if@bidi@void@footins
13525 \bidi@mopfn@bottom
13526 \fi
13527 \leftskip=\z@
13528 \rightskip=\z@
13529 \parindent=\z@
13530 \vskip\skip\footins
13531 \if@bidi@void@footins
13532 \footnoterule
13533 \fi}}
13534 \bidi@ensure@newcommand{\bidi@make@para@footstart@@}[1]{%
13535 \@namedef{@@para@footstart@@#1}{%
13536 \leftskip=\z@
13537 \rightskip=\z@
13538 \parindent=\z@
13539 \vskip\skip\footins}}
13540 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
13541 \xdef\@freelist{\@freelist\@midlist}%
13542 \global\let\@midlist\@empty
13543 \@combinefloats}
13544 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
13545 \ifvbox\@kludgeins
13546 \@makespecialcolbox
13547 \else
13548 \setbox\@outputbox \vbox to\@colht{%
13549 \@texttop
13550 \dimen@ \dp\@outputbox
13551 \unvbox \@outputbox
13552 \vskip -\dimen@
13553 \@textbottom}%
13554 \fi}
13555 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
13556 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
13557 \boxmaxdepth\@maxdepth
13558 \@tempdima\dp\@cclv
13559 \unvbox\@cclv
13560 \vskip-\@tempdima
13561 \bidi@mopfn@bottom
13562 \vskip \skip\footins
13563 \color@begingroup
13564 \normalcolor
13565 \footnoterule
13566 \unvbox \footins
13567 \color@endgroup
13568 }%
13569 }

```



```

13570 \newcommand*{\bidi@mopfootnotebf}{%
13571   \setbox\@outputbox \vbox{%
13572     \boxmaxdepth\@maxdepth
13573     \unvbox\@outputbox
13574     \bidi@mopfn@bottom
13575     \vskip\skip\footins
13576     \color@begingroup
13577       \normalcolor
13578       \footnoterule
13579       \unvbox \footins
13580     \color@endgroup
13581   }%
13582 }
13583 \gdef\mem@makecol{%
13584   \m@m@makecolintro
13585   \ifvoid\footins
13586     \global\@bidi@void@footinstrue
13587     \setbox\@outputbox \box\@cclv
13588   \else
13589     \global\@bidi@void@footinsfalse
13590     \m@mopfootnote
13591   \fi
13592   \m@mdoextrafeet
13593   \m@m@makecolfloats
13594   \m@m@makecoltext
13595   \global \maxdepth \@maxdepth}
13596 \gdef\bidi@makecolbf{%
13597   \m@m@makecolintro
13598   \setbox\@outputbox \box\@cclv
13599   \m@m@makecolfloats
13600   \ifvoid\footins
13601     \global\@bidi@void@footinstrue
13602   \else
13603     \global\@bidi@void@footinsfalse
13604     \bidi@mopfootnotebf
13605   \fi
13606   \m@mdoextrafeet
13607   \m@m@makecoltext
13608   \global \maxdepth \@maxdepth}
13609 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
13610 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
13611 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
13612 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
13613 \FeetAboveFloat
13614 \FeetBelowRagged

```

87 File extreport-xetex-bidi.def

```

13615 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
13616 \renewcommand*\l@part[2]{%
13617   \ifnum \c@tocdepth >-2\relax
13618     \addpenalty{-\@highpenalty}%
13619     \addvspace{2.25em \@plus\p@}%
13620     \begingroup

```



```

13621 \setlength\@tempdima{3em}%
13622 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13623 \parfillskip -\@pnumwidth
13624 {\leavevmode
13625 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13626 \nobreak
13627 \global\@nobreaktrue
13628 \everypar{\global\@nobreakfalse\everypar{}}%
13629 \endgroup
13630 \fi}
13631 \renewcommand*\l@chapter[2]{%
13632 \ifnum \c@tocdepth >\m@ne
13633 \addpenalty{-\@highpenalty}%
13634 \vskip 1.0em \@plus\p@
13635 \setlength\@tempdima{1.5em}%
13636 \begingroup
13637 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13638 \parfillskip -\@pnumwidth
13639 \leavevmode \bfseries
13640 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13641 \hskip -\if@RTL\rightskip\else\leftskip\fi
13642 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13643 \penalty\@highpenalty
13644 \endgroup
13645 \fi}
13646 \def\@makechapterhead#1{%
13647 \vspace*{50\p@}%
13648 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
13649 \ifnum \c@secnumdepth >\m@ne
13650 \huge\bfseries \@chapapp\space \thechapter
13651 \par\nobreak
13652 \vskip 20\p@
13653 \fi
13654 \interlinepenalty\@M
13655 \Huge \bfseries #1\par\nobreak
13656 \vskip 40\p@
13657 }}
13658 \def\@makeschapterhead#1{%
13659 \vspace*{50\p@}%
13660 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
13661 \normalfont
13662 \interlinepenalty\@M
13663 \Huge \bfseries #1\par\nobreak
13664 \vskip 40\p@
13665 }}
13666 \renewcommand\left@footnoterule{%
13667 \kern-3\p@
13668 \hrule\@width.4\columnwidth
13669 \kern2.6\p@}
13670 \renewcommand\right@footnoterule{%
13671 \kern-3\p@
13672 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13673 \kern2.6\p@}
13674 \renewenvironment{thebibliography}[1]

```



```

13675 {\chapter*{\bibname
13676 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
13677 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
13678 \bidi@thebibliography@font@hook%
13679 \list{\@biblabel{\@arabic{c@enumiv}}}%
13680 {\settowidth\labelwidth{\@biblabel{#1}}%
13681 \leftmargin\labelwidth
13682 \advance\leftmargin\labelsep
13683 \@openbib@code
13684 \usecounter{enumiv}%
13685 \let\p@enumiv\@empty
13686 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
13687 \sloppy\clubpenalty4000\widowpenalty4000%
13688 \sfcode\.\@m}
13689 {\def\@noitemerr
13690 {\@latex@warning{Empty `thebibliography' environment}}}%
13691 \endlist}
13692 \if@titlepage
13693 \renewcommand\maketitle{\begin{titlepage}%
13694 \let\footnotesize\small
13695 \let\right@footnoterule\relax
13696 \let\left@footnoterule\relax
13697 \let\textwidth@footnoterule\relax
13698 \let\footnote\thanks
13699 \null\vfil
13700 \vskip 60\p@
13701 \begin{center}%
13702 {\LARGE \@title \par}%
13703 \vskip 3em%
13704 {\large
13705 \lineskip .75em%
13706 \begin{tabular}[t]{c}%
13707 \@author
13708 \end{tabular}\par}%
13709 \vskip 1.5em%
13710 {\large \@date \par}% % Set date in \large size.
13711 \end{center}\par
13712 \@thanks
13713 \vfil\null
13714 \end{titlepage}%
13715 \setcounter{footnote}{0}%
13716 \global\let\thanks\relax
13717 \global\let\maketitle\relax
13718 \global\let\@thanks\@empty
13719 \global\let\@author\@empty
13720 \global\let\@date\@empty
13721 \global\let\@title\@empty
13722 \global\let\title\relax
13723 \global\let\author\relax
13724 \global\let\date\relax
13725 \global\let\and\relax
13726 }
13727 \else
13728 \renewcommand\maketitle{\par

```




```

13729 \begin{group
13730   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13731   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13732   \long\def\@makefntext##1{\parindent 1em\noindent
13733     \hb@xt@1.8em{\%
13734       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
13735   \if@twocolumn
13736     \ifnum \col@number=\@one
13737       \@maketitle
13738     \else
13739       \twocolumn[\@maketitle]%
13740     \fi
13741   \else
13742     \newpage
13743     \global\@topnum\z@ % Prevents figures from going at top of page.
13744     \@maketitle
13745   \fi
13746   \thispagestyle{plain}\@thanks
13747 \end{group}
13748 \setcounter{footnote}{0}%
13749 \global\let\thanks\relax
13750 \global\let\maketitle\relax
13751 \global\let\@maketitle\relax
13752 \global\let\@thanks\@empty
13753 \global\let\@author\@empty
13754 \global\let\@date\@empty
13755 \global\let\@title\@empty
13756 \global\let\title\relax
13757 \global\let\author\relax
13758 \global\let\date\relax
13759 \global\let\and\relax
13760 }
13761 \def\@maketitle{%
13762   \newpage
13763   \null
13764   \vskip 2em%
13765   \begin{center}%
13766     \let \footnote \thanks
13767     {\LARGE \@title \par}%
13768     \vskip 1.5em%
13769     {\large
13770       \lineskip .5em%
13771       \begin{tabular}[t]{c}%
13772         \@author
13773       \end{tabular}\par}%
13774     \vskip 1em%
13775     {\large \@date}%
13776   \end{center}%
13777   \par
13778   \vskip 1.5em}
13779 \fi
13780 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
13781 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13782 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}

```



```

13783 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13784 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
13785 \renewcommand\theequation{%
13786 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
13787 \renewcommand\thefigure{%
13788 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13789 \renewcommand\thetable{%
13790 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

88 File fancybox-xetex-bidi.def

```

13791 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
13792 \def\fancy@oval#1#2#3{%
13793 \boxmaxdepth \maxdimen
13794 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
13795 \tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
13796 \@ovxx#1\relax
13797 \advance\@ovxx-\@wholewidth
13798 \@ovyy#2\relax
13799 \advance\@ovyy-\@wholewidth
13800 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \else \@ovyy \fi
13801 \advance\@tempdimb-2\p@
13802 \ifdim\@tempdimb>\the@cornersize\relax
13803 \@tempdimb=\the@cornersize
13804 \fi
13805 \@getcirc\@tempdimb
13806 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
13807 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
13808 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
13809 \@circlefnt
13810 \setbox\@tempboxa\hbox{\beginL%
13811 \if@ovr \@ovvert32\kern -\@tempdima \fi
13812 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
13813 \if@ovt \@ovhorz \kern -\@ovxx \fi
13814 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
13815 \advance\@ovdx\@ovro
13816 \advance\@ovdy\@ovro
13817 \advance\@ovxx\@wholewidth
13818 \wd\@tempboxa=\@ovxx
13819 \dp\@tempboxa=\z@}

```

89 File fancyhdr-xetex-bidi.def

```

13820 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
13821
13822 \let\f@nch@everypar\everypar
13823
13824 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
13825 \f@nch@vbox\headheight{\hbox
13826 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
13827 \parbox[b]{\headwidth}{\centering#3}\hfill
13828 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}\headrule}}#5}
13829
13830 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset

```



```

13831 \f@nch@vbox\footskip{\footrule
13832 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
13833 \parbox[t]{\headwidth}{\centering#3}\hfill
13834 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}}#5}
13835

```

90 File fix2col-xetex-bidi.def

```

13836 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package f
13837 \def\RTL@outputdblcol{%
13838 \if@firstcolumn
13839 \global\@firstcolumnfalse
13840 \global\setbox\@leftcolumn\copy\@outputbox
13841 \splitmaxdepth\maxdimen
13842 \vbadness\maxdimen
13843 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13844 \toks@\expandafter{\topmark}%
13845 \xdef\@firstcoltopmark{\the\toks@}%
13846 \toks@\expandafter{\splitfirstmark}%
13847 \xdef\@firstcolfirstmark{\the\toks@}%
13848 \ifx\@firstcolfirstmark\@empty
13849 \global\let\@setmarks\relax
13850 \else
13851 \gdef\@setmarks{%
13852 \let\firstmark\@firstcolfirstmark
13853 \let\topmark\@firstcoltopmark}%
13854 \fi
13855 \else \global\@firstcolumntrue
13856 \setbox\@outputbox \vbox {\hbox to\textwidth {%
13857 \hskip \columnwidth
13858 \hfil \vrule width\columnseprule \hfil
13859 \hbox to\columnwidth {%
13860 \bidi@firstcolumn@status@write%
13861 \box\@leftcolumn \hss}%
13862 \hskip -\textwidth
13863 \hbox to\columnwidth{%
13864 \bidi@lastcolumn@status@write%
13865 \box\@outputbox \hss}%
13866 \hskip \columnsep
13867 \hskip \columnwidth }}%
13868 \@combinedblfloats \@setmarks \@outputpage
13869 \begingroup \@dblfloatplacement \@startdblcolumn
13870 \@whiles\if@fcolmade \fi
13871 {\@outputpage \@startdblcolumn }\endgroup
13872 \fi}
13873 \def\LTR@outputdblcol{%
13874 \if@firstcolumn
13875 \global\@firstcolumnfalse
13876 \global\setbox\@leftcolumn\copy\@outputbox
13877 \splitmaxdepth\maxdimen
13878 \vbadness\maxdimen
13879 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13880 \toks@\expandafter{\topmark}%
13881 \xdef\@firstcoltopmark{\the\toks@}%

```



```

13882 \toks@\expandafter{\splitfirstmark}%
13883 \xdef\@firstcolfirstmark{\the\toks@}%
13884 \ifx\@firstcolfirstmark\@empty
13885 \global\let\@setmarks\relax
13886 \else
13887 \gdef\@setmarks{%
13888 \let\firstmark\@firstcolfirstmark
13889 \let\topmark\@firstcoltopmark}%
13890 \fi
13891 \else
13892 \global\@firstcolumntrue
13893 \setbox\@outputbox\vbox{%
13894 \hb@xt@\textwidth{%
13895 \hb@xt@\columnwidth{%
13896 \bidi@firstcolumn@status@write%
13897 \box\@leftcolumn \hss}%
13898 \hfil
13899 \vrule \@width\columnseprule
13900 \hfil
13901 \hb@xt@\columnwidth{%
13902 \bidi@lastcolumn@status@write%
13903 \box\@outputbox \hss}}}%
13904 \@combinedblfloats
13905 \@setmarks
13906 \@outputpage
13907 \beginingroup
13908 \@dblfloatplacement
13909 \@startdblcolumn
13910 \@whilesw\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
13911 \endgroup
13912 \fi}

```

91 File fleqn-xetex-bidi.def

```

13913 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
13914 \renewcommand\[\relax
13915 \ifmmode\@badmath
13916 \else
13917 \begin{trivlist}%
13918 \@beginparpenalty\predisplaypenalty
13919 \@endparpenalty\postdisplaypenalty
13920 \item[]\leavevmode
13921 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
13922 \hskip\mathindent\bgroup
13923 \fi}
13924 \renewcommand\[\relax
13925 \ifmmode
13926 \egroup $\hfil$ $
13927 \endL\egroup
13928 \end{trivlist}%
13929 \else \@badmath
13930 \fi}
13931 \renewenvironment{equation}%
13932 {\@beginparpenalty\predisplaypenalty

```



```

13933 \endparpenalty\postdisplaypenalty
13934 \refstepcounter{equation}%
13935 \trivlist \item[]\leavevmode
13936 \hb@xt@\linewidth\bgroup\beginL $\m@th% $
13937 \displaystyle
13938 \hskip\mathindent}%
13939 {\hfil % $
13940 \displaywidth\linewidth\hbox{\@eqnnum}%
13941 \endL\egroup
13942 \endtrivlist}

```

92 File float-xetex-bidi.def

```

13943 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
13944 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
13945 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
13946 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
13947 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
13948 \expandafter\edef\csname the#1\endcsname{%
13949 \expandafter\noexpand\csname
13950 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
13951 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

93 File floatrow-xetex-bidi.def

```

13952 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
13953 \renewcommand\flnew@within[1]{\@addtoreset{FB@captop}{#1}%
13954 \expandafter\edef\csname theFB@captop\endcsname{%
13955 \expandafter\noexpand\csname
13956 the#1\endcsname\@SepMark\noexpand\arabic{FB@captop}}}

```

94 File flowfram-xetex-bidi.def

```

13957 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package
13958 \def\@outputdblcol{%
13959 \c@nxtcol=\c@thisframe
13960 \c@curpg=\c@page
13961 \g@tnextcol{\c@nxtcol}%
13962 \if@ff@nwpg % next flow frame starts on new page
13963 \global\@firstcolumntrue
13964 \setcolbox\c@thisframe
13965 \if@specialpage
13966 \global\@specialpagefalse
13967 \nameuse{ps@\@specialstyle}\relax
13968 \fi
13969 \if@twoside
13970 \ifodd\count\z@
13971 \let\@thehead\@oddhead
13972 \let\@thefoot\@oddfoot
13973 \else
13974 \let\@thehead\@evenhead
13975 \let\@thefoot\@evenfoot
13976 \fi
13977 \else

```



```

13978 \let\thehead\@oddhead
13979 \let\thefoot\@oddfoot
13980 \fi
13981 \@beginndvi
13982 \@dodynamicthehead\@dodynamicthefoot
13983 \vbadness=\@M
13984 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
13985 \@combinedblfloats
13986 \@outputpage
13987 \advance\c@curpg by -\c@page\relax
13988 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
13989 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
13990 \@outputpage}
13991 \beginngroup
13992 \@dblfloatplacement
13993 \@startdblcolumn
13994 \@whilesw \if@fcolmade \fi
13995 {\@outputpage \@startdblcolumn }\endgroup
13996 \@resetst@tics
13997 \@resetdyn@mics
13998 \else % still on same page, save contents of box255
13999 \global\@firstcolumnfalse
14000 \setcolbox\c@thisframe
14001 \fi
14002 \global\c@thisframe=\@nxtcol
14003 \@setcol{\c@thisframe}\relax
14004 \global\@colht\vsiz
14005 }
14006 \def\@outputpage{%
14007 \beginngroup
14008 \let\protect\noexpand
14009 \@resetactivechars
14010 \global\let\@if@newlist@if@newlist
14011 \global\@newlistfalse\@parboxrestore
14012 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
14013 \bidi@beforeoutputpageshipouthook
14014 \shipout\vbox{\set@typeset@protect
14015 \aftergroup
14016 \endgroup
14017 \aftergroup
14018 \set@typeset@protect
14019 \reset@font\normalsize
14020 \bidi@font\@outputpage
14021 \normalsfcodes
14022 \let\label\@gobble
14023 \let\index\@gobble
14024 \let\glossary\@gobble
14025 \baselineskip\z@skip
14026 \lineskip\z@skip
14027 \lineskiplimit\z@
14028 \vskip\topmargin\moveright\@themargin
14029 \vbox{%
14030 \global\let\@bidi@BeforeHeader\@firstofone
14031 \bidi@beforeheaderhook

```



```

14032 \vskip\headheight
14033 \vskip\headsep
14034 \global\let\bid@BeforeOutputBoxOutputPage\@firstofone
14035 \bid@beforeoutputboxoutputpagehook
14036 \box\@outputbox
14037 \global\let\bid@AfterOutputBoxOutputPage\@firstofone
14038 \bid@afteroutputboxoutputpagehook
14039 }%
14040 \global\let\bid@AfterOutputPageShipOut\@firstofone
14041 \bid@afteroutputpageshipouthook
14042 \global\let\if@newlist\@if@newlist
14043 \stepcounter{page}%
14044 \setcounter{displayedframe}{0}%
14045 \let\firstmark\botmark
14046 \global\let\bid@AtEndOutputPage\@firstofone
14047 \bid@atendoutputpagehook
14048 }
14049
14050
14051 \newcommand*\bid@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
14052 \expandafter\bidicolor\ff@txtcol}}
14053
14054 \newcommand{\bid@ff@box}[3]{\@ffbackground{\vbox to#2
14055 {\hb@xt@ #1{\hss{\bid@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
14056
14057
14058 \renewcommand*\@docolbox}[1]{%
14059 \edef\ff@frametype{%
14060 \csname @ff@frametype@romannumeral#1\endcsname}%
14061 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
14062 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
14063 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
14064 \@ff@setoffset{#1}%
14065 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
14066 \ifthenelse{\boolean{columnframe\romannumeral#1}}{\}%
14067 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
14068 {\csname colheight\romannumeral#1\endcsname}{%
14069 \expandafter\box\csname column\romannumeral#1\endcsname}{%
14070 \csname\ff@frametype\endcsname}%
14071 }{\%
14072 \bid@ff@box{\csname colwidth\romannumeral#1\endcsname}%
14073 {\csname colheight\romannumeral#1\endcsname}{%
14074 \expandafter\box\csname column\romannumeral#1\endcsname}%
14075 }}}
14076 \ifclassloaded{book}{%
14077 \renewcommand\theequation
14078 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14079 \renewcommand \thefigure
14080 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14081 \renewcommand \thetable
14082 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
14083 \renewcommand \thechapter {\@arabic\c@chapter}
14084 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
14085 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

14086 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
14087 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
14088 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
14089 \@ifclassloaded{report}{%
14090 \renewcommand\theequation
14091 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14092 \renewcommand \thefigure
14093 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14094 \renewcommand \thetable
14095 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
14096 \renewcommand \thechapter {\@arabic\c@chapter}
14097 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
14098 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14099 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
14100 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
14101 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
14102 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
14103 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
14104 \else
14105 #2\relax
14106 \fi}

```

95 File footnote-xetex-bidi.def

```

14107 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
14108 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
14109 \newif\ifbidi@autofootnoterule
14110 \def\bidi@mpfootnoterule{\footnoterule}
14111 \newcounter{footdir@label}
14112 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
14113 \newcommand*{\footdir@write}{%
14114 \stepcounter{footdir@label}%
14115 \zref@labelbyprops{\thefootdir@label}{abspage}%
14116 }
14117 \newif\iffootdir@debug
14118 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
14119 \newtoks\footdir@toks
14120 \newcommand*{\footdir@debug}[1]{%
14121 \iffootdir@debug
14122 \typeout{[footdir] #1}%
14123 \fi
14124 }
14125 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
14126 % \newcommand*{\footdir@LeftRightElse}{%
14127 % \ltx@ifundefined{footdir@the\value{zabspage}}{%
14128 % \footdir@debug{abspage \the\value{zabspage}: else}%
14129 % \ltx@thirdofthree
14130 % }{%
14131 % \if\csname footdir@the\value{zabspage}\endcsname L%
14132 % \footdir@debug{abspage \the\value{zabspage}: left}%
14133 % \expandafter\ltx@firstofthree
14134 % \else
14135 % \footdir@debug{abspage \the\value{zabspage}: right}%
14136 % \expandafter\ltx@secondofthree

```




```

14137 %      \fi
14138 %    }%
14139 %  }%
14140 %}%
14141 \providecommand*{\c@zabspage}{\c@abspage}%
14142 \newcommand*{\footdir@LeftRightElse}{%
14143   \footdir@write
14144   \zifrefundefined{\thefootdir@label}{%
14145     \footdir@debug{abspage ??: else}%
14146     \ltx@thirdofthree
14147   }{%
14148     \edef\footdir@abspage{%
14149       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
14150     }%
14151     \ltx@ifundefined{footdir@\footdir@abspage}{%
14152       \footdir@debug{\footdir@abspage: else}%
14153       \ltx@thirdofthree
14154     }{%
14155       \if\csname footdir@\footdir@abspage\endcsname L%
14156         \footdir@debug{\footdir@abspage: left}%
14157         \expandafter\ltx@firstofthree
14158       \else
14159         \footdir@debug{\footdir@abspage: right}%
14160         \expandafter\ltx@secondofthree
14161       \fi
14162     }%
14163   }%
14164 }%
14165 %}
14166 \newcommand*{\footdir@fntext}[1]{%
14167   \zifrefundefined{\thefootdir@label}{%
14168     }{%
14169       \edef\footdir@name{%
14170         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
14171       }%
14172       \@ifundefined{footdir@name}{%
14173         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
14174       }{}%
14175     }%
14176 }
14177
14178 \newcommand*{\footdir@temp}[3]{%
14179   \@ifdefinable{#1}{%
14180     \let#1#2%
14181     \renewcommand{#2}[1]{%
14182       \footdir@write
14183       \footdir@fntext{#3}%
14184       \stepcounter{footdir@label}%
14185       \footdir@fntext{#3}%
14186       \footdir@toks{##1}%
14187       \footdir@toks\expandafter{%
14188         \the\expandafter\footdir@toks
14189         \expandafter
14190         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%

```



```

14191     }%
14192     \expandafter#1\expandafter{\the\footdir@toks}%
14193     }%
14194 }%
14195 }
14196
14197 \def\right@footnoterule{%
14198   \kern-3\p@
14199   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14200   \kern2.6\p@}
14201 \def\left@footnoterule{\kern-3\p@
14202   \hrule \@width .4\columnwidth \kern 2.6\p@}
14203 \def\textwidth@footnoterule{\kern-3\p@
14204   \hrule \@width \columnwidth \kern 2.6\p@}
14205 \def\leftfootnoterule{%
14206   \bidi@autofootnoterulefalse%
14207   \def\footnoterule{\left@footnoterule}}
14208 \let\LRfootnoterule=\leftfootnoterule
14209 \def\rightfootnoterule{%
14210   \bidi@autofootnoterulefalse%
14211   \def\footnoterule{\right@footnoterule}}
14212 \def\textwidthfootnoterule{%
14213   \bidi@autofootnoterulefalse%
14214   \def\footnoterule{\textwidth@footnoterule}}
14215
14216
14217
14218 \def\auto@footnoterule{%
14219   \footdir@LeftRightElse%
14220   \left@footnoterule%
14221   \right@footnoterule%
14222   \left@footnoterule%
14223 }
14224
14225
14226
14227 \def\autofootnoterule{%
14228   \bidi@autofootnoteruletrue%
14229   \def\footnoterule{\auto@footnoterule}%
14230 }
14231
14232 \newcommand*{\SplitFootnoteRule}{%
14233   \gdef\split@prev{0}
14234   \let\pagefootnoterule\footnoterule
14235   \let\mpfootnoterule\footnoterule
14236   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
14237   \def\footnoterule{\relax
14238     \ifx \@listdepth\@mplistdepth
14239       \mpfootnoterule
14240     \else
14241       \ifnum\split@prev=\z@
14242         \pagefootnoterule
14243       \else
14244         \splitfootnoterule

```



```

14245     \fi
14246     \xdef\split@prev{\the\insertpenalties}%
14247     \fi
14248 }%
14249 }
14250
14251
14252
14253
14254 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
14255     \protected@xdef\@thefnmark{\thempfn}%
14256     \@footnotemark\@RTLfootnotetext}}
14257 \def\@xRTLfootnote[#1]{%
14258     \begingroup
14259     \csname c@\@mpfn\endcsname #1\relax
14260     \unrestored@protected@xdef\@thefnmark{\thempfn}%
14261     \endgroup
14262     \@footnotemark\@RTLfootnotetext}
14263 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
14264     \protected@xdef\@thefnmark{\thempfn}%
14265     \@footnotemark\@LTRfootnotetext}}
14266 \def\@xLTRfootnote[#1]{%
14267     \begingroup
14268     \csname c@\@mpfn\endcsname #1\relax
14269     \unrestored@protected@xdef\@thefnmark{\thempfn}%
14270     \endgroup
14271     \@footnotemark\@LTRfootnotetext}
14272
14273
14274 \def\setfootnoteRL{\@RTL@footnotetrue}
14275 \def\unsetfootnoteRL{\@RTL@footnotefalse}
14276 \def\setfootnoteLR{\unsetfootnoteRL}
14277
14278 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
14279 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
14280 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
14281
14282 \long\def\@footnotetext#1{\insert\footins{%
14283     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14284     \reset@font%
14285     \bidi@footnotetext@font% \reset@font\footnotesize
14286     \interlinepenalty\interfootnotelinepenalty
14287     \splittopskip\footnotesep
14288     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
14289     \hsize\columnwidth \@parboxrestore
14290     \protected@edef\@currentlabel{%
14291         \csname p@footnote\endcsname\@thefnmark
14292     }%
14293     \color@begingroup
14294     \@makefnintext%
14295     \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14296     \color@endgroup}}%
14297
14298

```



```

14299 \long\def\@RTLfootnotetext#1{\insert\footins{%
14300   \@RTLtrue%
14301   \reset@font%
14302   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
14303   \interlinepenalty\interfootnotelinepenalty
14304   \splittopskip\footnotesep
14305   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
14306   \hsize\columnwidth \@parboxrestore
14307   \protected@edef\@currentlabel{%
14308     \csname p@footnote\endcsname\@thefnmark
14309   }%
14310   \color@begingroup
14311     \makefntext{%
14312       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14313     \color@endgroup}}%
14314
14315 \long\def\@LTRfootnotetext#1{\insert\footins{%
14316   \@RTLfalse%
14317   \reset@font%
14318   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
14319   \interlinepenalty\interfootnotelinepenalty
14320   \splittopskip\footnotesep
14321   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
14322   \hsize\columnwidth \@parboxrestore
14323   \protected@edef\@currentlabel{%
14324     \csname p@footnote\endcsname\@thefnmark
14325   }%
14326   \color@begingroup
14327     \makefntext{%
14328       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
14329     \color@endgroup}}%
14330
14331 \AtBeginDocument{%
14332 \if@RTL@footnote
14333   \newcommand*{\bidi@footdir@footnote}{R}
14334 \else
14335   \newcommand*{\bidi@footdir@footnote}{L}
14336 \fi%
14337 }
14338
14339 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
14340 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
14341 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
14342
14343 \long\def\@mpRTLfootnotetext#1{%
14344   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@foot
14345   \global\setbox\@mpfootins\vbox{\@RTLtrue%
14346     \unvbox\@mpfootins
14347     \reset@font%
14348     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
14349     \hsize\columnwidth
14350     \@parboxrestore
14351     \protected@edef\@currentlabel
14352       {\csname p@mpfootnote\endcsname\@thefnmark}%

```



```

14353 \color@begingroup
14354 \makefnintext{%
14355 \rule{z@{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
14356 \color@endgroup}}
14357 \long\def\@mpLTRfootnotetext#1{%
14358 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\@bidi@mpfootnoterule\left@footnoterule
14359 \global\setbox\@mpfootins\vbox{\@RTLfalse%
14360 \unvbox\@mpfootins
14361 \reset@font%
14362 \bidi@L@TRfootnotetext@font% \reset@font\footnotesize
14363 \hsize\columnwidth
14364 \@parboxrestore
14365 \protected@edef\@currentlabel
14366 {\csname p@mpfootnote\endcsname\@thefnmark}%
14367 \color@begingroup
14368 \makefnintext{%
14369 \rule{z@{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
14370 \color@endgroup}}
14371 \long\def\@mpfootnotetext#1{%
14372 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\@bidi@mpfootnoterule\left@footnoterule
14373 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14374 \unvbox\@mpfootins
14375 \reset@font%
14376 \bidi@footnotetext@font% \reset@font\footnotesize
14377 \hsize\columnwidth
14378 \@parboxrestore
14379 \protected@edef\@currentlabel
14380 {\csname p@mpfootnote\endcsname\@thefnmark}%
14381 \color@begingroup
14382 \makefnintext{%
14383 \rule{z@{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
14384 \color@endgroup}}
14385 \def\@iiiminipage#1#2[#3]#4{%
14386 \leavevmode
14387 \@pboxswfalse
14388 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
14389 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
14390 \setlength\@tempdima{#4}%
14391 \def\@mpargs{#1}#2[#3]#4}%
14392 \setbox\@tempboxa\vbox\bgroup
14393 \color@begingroup
14394 \hsize\@tempdima
14395 \textwidth\hsize \columnwidth\hsize
14396 \@parboxrestore
14397 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
14398 \let\@footnotetext\@mpfootnotetext
14399 \let\@LTRfootnotetext\@mpLTRfootnotetext
14400 \let\@RTLfootnotetext\@mpRTLfootnotetext
14401 \let\@listdepth\@mplistdepth \@mplistdepth\z@
14402 \@minipagerestore
14403 \setminipage}
14404 \def\endminipage{%
14405 \par
14406 \unskip

```



```

14407 \ifvoid\@mpfootins\else
14408 \vskip\skip\@mpfootins
14409 \normalcolor
14410 \bidi\@mpfootnoterule
14411 \unvbox\@mpfootins
14412 \fi
14413 \@minipagefalse %% added 24 May 89
14414 \color@endgroup
14415 \egroup
14416 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
14417 \def\LTRthanks#1{\footnotemark
14418 \protected@xdef\@thanks{\@thanks
14419 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
14420 }
14421 \def\LTRfootnotetext{%
14422 \@ifnextchar [\@xLTRfootnotenext
14423 {\protected@xdef\@thefnmark{\thempfn}%
14424 \@LTRfootnotetext}}
14425 \def\@xLTRfootnotenext[#1]{%
14426 \begingroup
14427 \csname c@\@mpfn\endcsname #1\relax
14428 \unrestored@protected@xdef\@thefnmark{\thempfn}%
14429 \endgroup
14430 \@LTRfootnotetext}
14431 \def\RTLthanks#1{\footnotemark
14432 \protected@xdef\@thanks{\@thanks
14433 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
14434 }
14435 \let\@thanks\@empty
14436 \def\RTLfootnotetext{%
14437 \@ifnextchar [\@xRTLfootnotenext
14438 {\protected@xdef\@thefnmark{\thempfn}%
14439 \@RTLfootnotetext}}
14440 \def\@xRTLfootnotenext[#1]{%
14441 \begingroup
14442 \csname c@\@mpfn\endcsname #1\relax
14443 \unrestored@protected@xdef\@thefnmark{\thempfn}%
14444 \endgroup
14445 \@RTLfootnotetext}
14446 \leftfootnoterule

```

96 File footnotebackref-xetex-bidi.def

```

14447 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
14448 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
14449 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
14450
14451 \renewcommand*\LTRfootnote{%
14452 \refstepcounter{BackrefHyperFootnoteCounter}%
14453 \edef\BackrefFootnoteTag{\bhfn:\theBackrefHyperFootnoteCounter}%
14454 \label{\BackrefFootnoteTag}%
14455 \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
14456
14457 \renewcommand*\RTLfootnote{%

```



```

14458 \refstepcounter{BackrefHyperFootnoteCounter}%
14459 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
14460 \label{\BackrefFootnoteTag}%
14461 \@ifnextchar[\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
14462 \newcommand\Backref@HyperLTRFootnote[1]{%
14463 \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
14464
14465 \newcommand\Backref@HyperRTLFootnote[1]{%
14466 \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
14467
14468 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
14469 \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
14470
14471 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
14472 \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
14473
14474 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
14475 \ifFootnoteBackref@numberlinked
14476 \renewcommand{\footfootmark}{%
14477 \ifdim\footmarkwidth < \z@
14478 \llap{\hb@xt@ -\footmarkwidth{%
14479 \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14480 \hspace*{-\footmarkwidth}}}%
14481 \else
14482 \ifdim\footmarkwidth = \z@
14483 {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14484 \else
14485 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14486 \fi
14487 \fi}
14488 \renewcommand{\LTRfootfootmark}{%
14489 \ifdim\footmarkwidth < \z@
14490 \llap{\hb@xt@ -\footmarkwidth{%
14491 \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14492 \hspace*{-\footmarkwidth}}}%
14493 \else
14494 \ifdim\footmarkwidth = \z@
14495 {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14496 \else
14497 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14498 \fi
14499 \fi}
14500 \renewcommand{\RTLfootfootmark}{%
14501 \ifdim\footmarkwidth < \z@
14502 \llap{\hb@xt@ -\footmarkwidth{%
14503 \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14504 \hspace*{-\footmarkwidth}}}%
14505 \else
14506 \ifdim\footmarkwidth = \z@
14507 {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14508 \else
14509 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
14510 \fi
14511 \fi}

```



```

14512 \fi
14513 }

```

97 File framed-xetex-bidi.def

```

14514 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for
14515 \renewcommand\TitleBarFrame[3] [] {\begingroup
14516   \ifx\delimiter#1\delimiter
14517     \let\TF@conlab\@empty
14518   \else
14519     \def\TF@conlab{% continuation label
14520       \nointerlineskip
14521       \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
14522   \fi
14523   %\let\TF@savecolor\current@color
14524   \textcolor{TF@FrameColor}{%
14525     \CustomFBox
14526     {\TF@Title{#2}}{\TF@conlab}}%
14527     \fboxrule\fboxrule\fboxrule\fboxrule
14528     %{\let\current@color\TF@savecolor\set@color #3}%
14529     {\normalcolor #3}%
14530   }\endgroup
14531 }
14532 \renewenvironment{titled-frame}[1] {%
14533   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
14534     \TitleBarFrame{\textbf{#1}}}%
14535   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
14536     \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}]{\textbf{#1}}}%
14537   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
14538     \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}]{\textbf{#1} (con
14539   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
14540     \TitleBarFrame{\textbf{#1} (cont)}}}%
14541   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
14542 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
14543 % could interfere with the width measurement.
14544 {\endMakeFramed}
14545 \chardef\FrameRestore=\catcode`\| % for debug
14546 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
14547 \def\fb@put@frame#1#2{\relax
14548   \ifdim\pagegoal=\maxdimen \pagegoal\vspace \fi
14549 |   \message{===== Entering putframe =====^J
14550 |     \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
14551   \ifinner
14552     \fb@putboxa#1%
14553     \fb@afterframe
14554   \else
14555     \dimen@ \pagegoal \advance\dimen@-\pagetotal % natural space left on page
14556     \ifdim\dimen@<2\baselineskip % Too little room on page
14557 |     \message{Page has only \the\dimen@\space room left; eject.}%
14558     \eject \fb@adjheight \fb@put@frame#1#2%
14559   \else % there's appreciable room left on the page
14560     \fb@sizeofframe#1%
14561 |     \message{\string\pagetotal=\the\pagetotal,
14562 |       \string\pagegoal=\the\pagegoal,

```




```

14563 |         \string\pagestretch=\the\pagestretch,
14564 |         \string\pageshrink=\the\pageshrink,
14565 |         \string\fb@frh=\the\fb@frh. \space}
14566 | \message{^^JBox of size \the\ht\@tempboxa\space}%
14567 \beginngroup % temporarily set \dimen@ to be...
14568 \advance\dimen@.8\pageshrink % maximum space available on page
14569 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
14570 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
14571 \expandafter\endgroup
14572 % expand \ifdim, then restore \dimen@ to real room left on page
14573 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
14574 |     \message{fits in \the\dimen@. }%
14575     % ToDo: Change this to use vsplit anyway to capture the marks
14576     % MERGE THIS WITH THE else CLAUSE!!!
14577     \fb@putboxa#1%
14578     \fb@afterframe
14579 \else % box must be split
14580 |     \message{must be split to fit in \the\dimen@. }%
14581     % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
14582     \fb@sizeofframe#2%
14583     \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
14584         \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
14585         \kern137sp\kern-137sp\penalty-30
14586         \unvbox\@tempboxa}%
14587     \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
14588         \splittopskip\the\splittopskip}%
14589     \boxmaxdepth\z@ \splittopskip\z@
14590 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
14591     % Split box here
14592     \setbox\tw@vsplit\@tempboxa to\dimen@
14593 |     \toks99\expandafter{\splitfirstmark}%
14594 |     \toks98\expandafter{\splitbotmark}%
14595 |     \message{Marks are: \the\toks99, \the\toks98. }%
14596     \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
14597 |     \message{Natural height of split box is \the\ht\tw@, leaving
14598 |         \the\ht\@tempboxa\space remainder. }%
14599     % If the split-to size > (\vsize-\topskip), then set box to full size.
14600     \beginngroup
14601     \advance\dimen@\topskip
14602     \expandafter\endgroup
14603     \ifdim\dimen@>\pagegoal
14604 |         \message{Frame is big -- Use up the full column. }%
14605         \dimen@ii\pagegoal
14606         \advance\dimen@ii -\topskip
14607         \advance\dimen@ii \FrameHeightAdjust\relax
14608     \else % suspect this is implemented incorrectly:
14609         % If the split-to size > feasible room_on_page, rebox it smaller.
14610         \advance\dimen@.8\pageshrink
14611         \ifdim\ht\tw@>\dimen@
14612 |             \message{Box too tall; rebox it to \the\dimen@. }%
14613             \dimen@ii\dimen@
14614         \else % use natural size
14615             \dimen@ii\ht\tw@
14616         \fi

```



```

14617 \fi
14618 % Re-box contents to desired size \dimen@ii
14619 \advance\dimen@ii -\fb@frh
14620 \setbox\tw@\vbox to\dimen@ii \bgroup
14621 % remove simulated frame and page flexibility:
14622 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
14623 \unvbox\tw@ \unpenalty\unpenalty
14624 \ifdim\lastkern=-137sp % whole box went to next page
14625 | \message{box split at beginning! }%
14626 % need work here???
14627 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
14628 \fb@adjheight
14629 \fb@put@frame#1#2% INSERTED ???
14630 \else % Got material split off at the head
14631 \egroup \fb@resto@set
14632 \ifvoid\@tempboxa % it all fit after all
14633 | \message{box split at end! }%
14634 \setbox\@tempboxa\box\tw@
14635 \fb@putboxa#1%
14636 \fb@afterframe
14637 \else % it really did split
14638 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
14639 \ifdim\wd\tw@>\z@
14640 \wd\tw@\wd\@tempboxa
14641 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
14642 \else
14643 | \message{Zero width means likely blank. Don't frame it (guess)}%
14644 \box\tw@
14645 \fi
14646 \hrule \@height\z@ \@width\hsize
14647 \eject
14648 \fb@adjheight
14649 \fb@put@frame\LastFrameCommand\MidFrameCommand
14650 \fi\fi\fi\fi\fi
14651 }
14652 \def\fb@putboxa#1{%
14653 \ifvoid\@tempboxa
14654 \PackageWarning{framed}{Boxa is void -- discard it. }%
14655 \else
14656 | \message{Frame and place boxa. }%
14657 | %{\showoutput\showbox\@tempboxa}%
14658 \centerline{#1{\hboxL{\box\@tempboxa}}}%
14659 \fi
14660 }
14661 \catcode`\|=\FrameRestore
14662 \def\FrameRestore{%
14663 \let\if@nobreak\iffalse
14664 \let\if@noskipsec\iffalse
14665 \let\-\@dischph
14666 \let'\@acci\let'\@accii\let\=\@acciii
14667 % \message{FrameRestore:
14668 % \totalleftmargin=\the \@totalleftmargin,
14669 % \rightmargin=\the\rightmargin,
14670 % \listdepth=\the\listdepth. }%

```



```

14671 % Test if we are in a list (or list-like paragraph)
14672 \ifnum \ifdim \@totalleftmargin>\z@ 1\fi
14673 \ifdim \rightmargin>\z@ 1\fi
14674 \ifnum \@listdepth>\z@ 1\fi 0>\z@
14675 % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
14676 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
14677 % \labelwidth=\the\labelwidth. }%
14678 \@setminipage % snug fit around the item
14679 % Now try to propagate changes of width from \hsize to list parameters.
14680 % This is deficient, but a more advanced way to indicate modification to text
14681 % dimensions is not (yet) provided; in particular, no separate left/right
14682 % adjustment.
14683 \advance\linewidth-\columnwidth \advance\linewidth\hsize
14684 \parshape\@ne \@totalleftmargin \linewidth
14685 \else % Not in list
14686 \linewidth=\hsize
14687 %\message{No list, set \string\linewidth=\the\hsize. }%
14688 \fi
14689 \sloppy
14690 }

```

98 File ftnright-xetex-bidi.def

```

14691 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
14692
14693 \def\prepare@bidi@copyins{%
14694   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
14695   \global\skip\@bidi@copyins@\z@
14696   \global\count\@bidi@copyins@\z@
14697   \global\dimen\@bidi@copyins@\textheight}
14698
14699 \newskip\bidi@rcol@copyinsskip
14700
14701 \def\LTR@outputdblcol{%
14702   \if@firstcolumn
14703     \global\@firstcolumnfalse
14704     \global\setbox\@leftcolumn\copy\@outputbox
14705     \global\count\footins\@m
14706     \global\skip\footins\rcol@footinsskip
14707     \global\count\@bidi@copyins@\@m
14708     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
14709     \splitmaxdepth\maxdimen
14710     \vbadness\maxdimen
14711     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14712     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14713     \toks@\expandafter{\topmark}%
14714     \xdef\@firstcoltopmark{\the\toks@}%
14715     \toks@\expandafter{\splitfirstmark}%
14716     \xdef\@firstcolfirstmark{\the\toks@}%
14717     \ifx\@firstcolfirstmark\@empty
14718       \global\let\@setmarks\relax
14719     \else
14720       \gdef\@setmarks{%
14721         \let\firstmark\@firstcolfirstmark

```



```

14722         \let\topmark\@firstcoltopmark}%
14723     \fi
14724 \else
14725     \preparefootins
14726     \prepare@bidi@copyins
14727     \global\@firstcolumntrue
14728     \setbox\@outputbox\vbox{%
14729         \hb@xt@\textwidth{%
14730             \hb@xt@\columnwidth{%
14731                 \bidi@firstcolumn@status@write%
14732                 \box\@leftcolumn \hss}%
14733             \hfil
14734             {\normalcolor\vrule \@width\columnseprule}%
14735             \hfil
14736             \hb@xt@\columnwidth{%
14737                 \bidi@lastcolumn@status@write%
14738                 \box\@outputbox \hss}}}%
14739 \@combinedblfloats
14740 \@setmarks
14741 \@outputpage
14742 \begingroup
14743     \@dblfloatplacement
14744     \@startdblcolumn
14745     \@whiles\if@fcolmade \fi{\@outputpage
14746         \@startdblcolumn}%
14747     \endgroup
14748 \fi}%
14749
14750 \def\RTL@outputdblcol{%
14751     \if@firstcolumn
14752         \global\@firstcolumnfalse
14753         \global\setbox\@leftcolumn\copy\@outputbox
14754         \global\count\footins\@m
14755         \global\skip\footins\rcol@footinsskip
14756         \global\count\@bidi@copyins\@m
14757         \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
14758         \splitmaxdepth\maxdimen
14759         \vbadness\maxdimen
14760         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14761         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14762         \toks@\expandafter{\topmark}%
14763         \xdef\@firstcoltopmark{\the\toks@}%
14764         \toks@\expandafter{\splitfirstmark}%
14765         \xdef\@firstcolfirstmark{\the\toks@}%
14766         \ifx\@firstcolfirstmark\@empty
14767             \global\let\@setmarks\relax
14768         \else
14769             \gdef\@setmarks{%
14770                 \let\firstmark\@firstcolfirstmark
14771                 \let\topmark\@firstcoltopmark}%
14772         \fi
14773     \else
14774         \preparefootins
14775         \prepare@bidi@copyins

```



```

14776 \global\@firstcolumntrue
14777 \setbox\@outputbox\vbox{%
14778 \hb@xt@\textwidth{%
14779 \hskip \columnwidth
14780 \hfil
14781 {\normalcolor\vrule \@width\columnseprule}%
14782 \hfil
14783 \hb@xt@\columnwidth{%
14784 \bidi@firstcolumn@status@write%
14785 \box\@leftcolumn \hss}%
14786 \hskip -\textwidth
14787 \hb@xt@\columnwidth{%
14788 \bidi@lastcolumn@status@write%
14789 \box\@outputbox \hss}%
14790 \hskip \columnsep
14791 \hskip \columnwidth }}%
14792 \@combinedblfloats
14793 \@setmarks
14794 \@outputpage
14795 \begingroup
14796 \@dblfloatplacement
14797 \@startdblcolumn
14798 \@whiles\if@fcolmade \fi{\@outputpage
14799 \@startdblcolumn}%
14800 \endgroup
14801 \fi}%
14802
14803 \def\@startcolumn{%
14804 \ifx\@deferlist\@empty
14805 \global\@fcolmadefalse
14806 \global\@colroom\@colht
14807 \else
14808 \ifvoid\footins\else
14809 \ftn@amount\ht\footins
14810 \advance\ftn@amount\dp\footins
14811 \advance\ftn@amount\skip\footins
14812 \fi
14813 \ifvoid\@bidi@copyins\else
14814 \bidi@copyins@amount\ht\@bidi@copyins@
14815 \advance\bidi@copyins@amount\dp\@bidi@copyins@
14816 \advance\bidi@copyins@amount\skip\@bidi@copyins@
14817 \fi
14818 \global\advance\@colht-\ftn@amount
14819 \global\advance\@colht-\bidi@copyins@amount
14820 \global\@colroom\@colht
14821 \@xstartcol
14822 \global\advance\@colht\ftn@amount
14823 \global\advance\@colroom\ftn@amount
14824 \global\advance\@colht\bidi@copyins@amount
14825 \global\advance\@colroom\bidi@copyins@amount
14826 \fi
14827 \if@fcolmade
14828 \setbox\@cclv\box\@outputbox
14829 \@makecol

```



```

14830 \else
14831   \ifvoid\footins\else
14832     \insert\footins{\unvbox\footins}\fi
14833   \ifvoid\@bidi@copyins\else
14834     \insert\@bidi@copyins{\unvbox\@bidi@copyins}\fi
14835 \fi}
14836
14837 \newdimen\@bidi@copyins@amount
14838
14839 \def\@makecol{\if@firstcolumn
14840   \setbox\@outputbox\box\@cclv
14841   \if@twocolumn \else
14842     \ifvoid\footins \else
14843       \@latexerr{ftnright package
14844         used in one-column mode}%
14845     {The ftnright package was designed to
14846       work with LaTeX's standard^^Jtwocolumn
14847       option. It does *not* work with the
14848       multicol package.^^JSo please specify
14849       `twocolumn' in the
14850       \noexpand\documentclass command.}%
14851     \shipout\box\footins \fi
14852     \ifvoid\@bidi@copyins\else
14853       \@latexerr{ftnright package
14854         used in one-column mode}%
14855     {The ftnright package was designed to
14856       work with LaTeX's standard^^Jtwocolumn
14857       option. It does *not* work with the
14858       multicol package.^^JSo please specify
14859       `twocolumn' in the
14860       \noexpand\documentclass command.}%
14861     \shipout\box\@bidi@copyins\fi\fi
14862   \ifnum\insertpenalties>\z@
14863     \@latexerr{ftnright package
14864       scrambled footnotes}%
14865   {There is too much footnote material in
14866     the first column and ftnright^^Jis
14867     unable to cope with this.^^JYou need
14868     to reduce the amount to get a properly
14869     formatted page.}%
14870 \fi
14871 \else
14872   \ifvoid\footins
14873     \ifvoid\@bidi@copyins\
14874       \setbox\@outputbox\box\@cclv
14875     \else
14876       \setbox\@outputbox\vbox
14877       {\ifvoid\@cclv \else
14878         \unvbox\@cclv
14879         \vskip \skip\@bidi@copyins\
14880       \fi
14881       \color@begingroup
14882       \normalcolor
14883       \unvbox \@bidi@copyins\

```



```

14884 \color@endgroup}%
14885 \fi
14886 \else
14887 \setbox\@outputbox\vbox
14888 {\ifvoid\@cclv \else
14889 \unvbox\@cclv
14890 \vskip\skip\footins\fi
14891 \color@begingroup
14892 \normalcolor
14893 \footnoterule\unvbox\footins
14894 \color@endgroup
14895 \ifvoid\@bidi@copyins@
14896 \else
14897 \vskip \skip\@bidi@copyins@
14898 \color@begingroup
14899 \normalcolor
14900 \unvbox \@bidi@copyins@
14901 \color@endgroup
14902 \fi
14903 }%
14904 \fi
14905 \fi
14906 \xdef\@freelist{\@freelist\@midlist}%
14907 \global \let \@midlist \@empty
14908 \@combinefloats
14909 \ifvbox\@kludgeins
14910 \@makespecialcolbox
14911 \else
14912 \setbox\@outputbox\vbox to\@colht
14913 {\boxmaxdepth\maxdepth
14914 \@texttop
14915 \@tempdima\dp\@outputbox
14916 \unvbox\@outputbox
14917 \vskip-\@tempdima
14918 \@textbottom}%
14919 \fi
14920 \global\maxdepth\@maxdepth}
14921
14922 \let\leftfootnoterule\@empty
14923 \let\rightfootnoterule\@empty
14924 \let\textwidthfootnoterule\@empty
14925 \let\autofootnoterule\@empty
14926 \let\footnoterule\@empty
14927 \long\def\@makefntext#1{\parindent 1em
14928 \noindent\hbox to 2em{}}%
14929 \llap{\@thefnmark\hbox{.}\,.\,}\,#1}
14930
14931 \setlength{\skip\@bidi@copyins@}
14932 {10pt plus 5pt minus 3pt}
14933 \AtBeginDocument{\prepare@bidi@copyins}

```

99 File graphicx-xetex-bidi.def

14934 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]



```

14935 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
14936 \Grot@setangle{#1}%
14937 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL
14938 \Grot@x\z@
14939 \Grot@y\z@
14940 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
14941 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
14942 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if
14943 \Grot@x\width \divide\Grot@x\tw@
14944 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
14945 \setkeys{Grot}{#1}%
14946 \setbox\z@\box\@tempboxa
14947 \Grot@setangle{#2}%
14948 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14949 \@end@tempboxa}
14950 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
14951 \leavevmode
14952 \def\Gscale@x{#1}\def\Gscale@y{#2}%
14953 \setbox\z@\hbox{#{#3}}%
14954 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
14955 \ifdim#2\p@<\z@
14956 \ht\tw@-#2\dp\z@
14957 \dp\tw@-#2\ht\z@
14958 \else
14959 \ht\tw@#2\ht\z@
14960 \dp\tw@#2\dp\z@
14961 \fi
14962 \ifdim#1\p@<\z@
14963 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
14964 \else
14965 \wd\tw@#1\wd\z@
14966 \box\tw@
14967 \fi\ifmmode\else\if@RTL\endL\fi\fi}
14968 \def\Gin@iii[#1,#2][#3,#4]#5{%
14969 \begingroup
14970 \ifmmode\else\if@RTL\beginL\fi\fi
14971 \Gin@bboxtrue
14972 \Gin@defaultbp\Gin@llx{#1}%
14973 \Gin@defaultbp\Gin@lly{#2}%
14974 \Gin@defaultbp\Gin@urx{#3}%
14975 \Gin@defaultbp\Gin@ury{#4}%
14976 \Gin@include@graphics{#5}%
14977 \ifmmode\else\if@RTL\endL\fi\fi
14978 \endgroup}
14979 \def\Gin@ii[#1]#2{%
14980 \def\@tempa{[]}\def\@tempb{#2}%
14981 \ifx\@tempa\@tempb
14982 \def\@tempa{\Gin@iii[#1] []}%
14983 \expandafter\@tempa
14984 \else
14985 \begingroup
14986 \ifmmode\else\if@RTL\beginL\fi\fi
14987 \@tempswafalse
14988 \toks@{\Gin@include@graphics{#2}}%

```




```

14989      \setkeys{Gin}{#1}%
14990      \Gin@esetsize
14991      \the\toks@
14992      \ifmmode\else\if@RTL\endL\fi\fi
14993      \endgroup
14994      \fi}
14995 \def\reflectbox{\bidiGscale@box-1[1]}
14996 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
14997   \leavevmode
14998   \def\Gscale@x{#1}\def\Gscale@y{#2}%
14999   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
15000   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
15001   \ifdim#2\p@<\z@
15002     \ht\tw@-#2\dp\z@
15003     \dp\tw@-#2\ht\z@
15004   \else
15005     \ht\tw@#2\ht\z@
15006     \dp\tw@#2\dp\z@
15007   \fi
15008   \ifdim#1\p@<\z@
15009     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
15010   \else
15011     \wd\tw@#1\wd\z@
15012     \box\tw@
15013   \fi\ifmmode\else\if@RTL\endL\fi\fi}
15014 \def\scalebox#1{%
15015   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
15016 \def\resizebox{%
15017   \leavevmode
15018   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
15019 \def\bidiGscale@@box#1#2#3{%
15020   \let\@tempa\Gin@exclamation
15021   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
15022   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
15023   \ifx\@tempb\@tempa
15024     \ifx\@tempc\@tempa
15025       \toks@{\mbox}%
15026     \else
15027       \toks@{\bidiGscale@box@dd{#3}#1}%
15028     \fi
15029   \else
15030     \ifx\@tempc\@tempa
15031       \toks@{\bidiGscale@box@dd{#2}\width}%
15032     \else
15033       \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
15034     \fi
15035   \fi
15036   \the\toks@}
15037 \long\def\bidiGscale@box@dd#1#2#3{%
15038   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\fi
15039   \setlength\@tempdima{#1}%
15040   \setlength\@tempdimb{#2}%
15041   \Gscale@div\@tempa\@tempdima\@tempdimb
15042   \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%

```



```

15043 \end@tempboxa}
15044 \long\def\bidigscale@box@dddd#1#2#3#4#5{%
15045 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\fi}
15046 \setlength\@tempdima{#1}%
15047 \setlength\@tempdimb{#2}%
15048 \Gscale@div\@tempa\@tempdima\@tempdimb
15049 \setlength\@tempdima{#3}%
15050 \setlength\@tempdimb{#4}%
15051 \Gscale@div\@tempb\@tempdima\@tempdimb
15052 \ifGin@iso
15053 \ifdim\@tempa\p>\@tempb\p@
15054 \let\@tempa\@tempb
15055 \else
15056 \let\@tempb\@tempa
15057 \fi
15058 \fi
15059 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
15060 \end@tempboxa}

```

100 File geometry-xetex-bidi.def

```

15061 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
15062 \renewcommand*{\Gm@vrules@mpi}{%
15063 \if@RTLmain%
15064 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
15065 \llap{\Gm@vrule}\ignorespaces
15066 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
15067 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
15068 \else%
15069 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
15070 \hskip \textwidth\Gm@vrule\hskip \marginparsep
15071 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
15072 \renewcommand*{\Gm@vrules@mpii}{%
15073 \if@RTLmain%
15074 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
15075 \hskip \textwidth\Gm@vrule\hskip \marginparsep
15076 \llap{\Gm@vrule}\hfil\Gm@vrule}%
15077 \else%
15078 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
15079 \llap{\Gm@vrule}\ignorespaces
15080 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
15081 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
15082 \bidi@patchcmd{\Gm@pageframes}{%
15083 \ifodd\count\z@
15084 \let\@themargin\oddsidemargin
15085 \else
15086 \let\@themargin\evensidemargin
15087 \fi
15088 }{%
15089 \ifodd\count\z@
15090 \if@RTLmain
15091 \let\@themargin\evensidemargin
15092 \else
15093 \let\@themargin\oddsidemargin

```



```

15094     \fi
15095   \else
15096     \if@RTLmain
15097       \let\@themargin\oddsidemargin
15098     \else
15099       \let\@themargin\evensidemargin
15100     \fi
15101   \fi
15102 }{}{}

```

101 File hvfloat-xetex-bidi.def

```

15103 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
15104 \def\do@hvFloat[#1]#2#3{%
15105 \def\hv@shortCap{#1}
15106 \def\hv@longCap{#2}
15107 \def\hv@label{#3}
15108 %\newcommand*{\hvFloat}[5][{}]{%
15109 % [#1]: keyvalues
15110 % #2: type figure | table | ...
15111 % #3: float contents
15112 % [#4]: short caption
15113 % #5: caption
15114 % #6: label
15115 % \setDefault%
15116 % \def\@tempa{#1}%
15117 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
15118 \def\@tempa{90}%
15119 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
15120 \else \setlength{\hvMaxCapWidth}{\linewidth}
15121 \fi
15122 %
15123 % First we save the object in \hvObjectBox
15124 %
15125 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
15126 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
15127 \else
15128 \savebox{\hvObjectBox}{%
15129 \rotatebox{\hvSet@objectAngle}{%
15130 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
15131 \fi
15132 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
15133 %
15134 % Now we save the caption with its defined \hvCapWidth
15135 %
15136 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
15137 \else
15138 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
15139 \else
15140 \setlength{\hvCapWidth}{\hvObjectWidth}
15141 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
15142 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
15143 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
15144 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}

```



```

15145         \else
15146 \setlength{\hvCapWidth}{\hvMaxCapWidth}
15147         \fi
15148     \fi
15149 \fi
15150 %
15151 % now we have the object and the caption with the right
15152 % rotated angles saved in boxes
15153 %
15154 \def\fps@figure{\hvSet@floatPos}
15155 \ifhv@nonFloat\begin{group}% Start the nonfloat part
15156 \else         \begin{\hv@floatType}% Start the floating environment
15157 \fi%
15158 \saveCaptionSkip% we put this space ourselves
15159 \ifx\hvSet@capAngle\hv@Width % need rotation?
15160     \sbox{\hvCaptionBox}{%
15161         \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
15162             \ifhv@nonFloat%
15163 \ifhv@onlyText#2%
15164         \else%
15165         \ifx\hv@floatType\hv@figure
15166             \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
15167         \else
15168             \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
15169         \fi
15170     \fi
15171 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
15172 \fi%
15173 \label{#3}%
15174     \end{minipage}%
15175 }%
15176 \else%
15177     \sbox{\hvCaptionBox}{%
15178         \rotatebox{\hvSet@capAngle}{%
15179             \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
15180 \ifhv@nonFloat%
15181         \ifhv@onlyText#2%
15182         \else%
15183         \ifx\hv@floatType\hv@figure
15184             \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
15185         \else
15186             \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
15187         \fi
15188     \fi
15189 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
15190         \fi%
15191         \label{#3}%
15192     \end{minipage}%
15193 }%
15194 }%
15195 \fi%
15196 %%
15197 \restoreCaptionSkip% save old values
15198 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%

```



```

15199 \else%
15200 \ifx\hvSet@ObjectPos\hv@Center
15201 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
15202 \fi%
15203 \fi%
15204 %
15205 % to rotate object and caption together, we save all in another box
15206 % the caption comes first, if its on the left or the top
15207 %
15208 \savebox{\@tempboxa}{%
15209 \ifx\hvSet@capPos\hv@Left % caption on left side
15210 \if@RTL%
15211 \ifx\hvSet@capVPos\hv@Center%
15212 \ifhv@fbox
15213 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
15214 \else
15215 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
15216 \fi%
15217 \hspace{\hvSet@floatCapSep pt}%
15218 \ifhv@fbox
15219 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15220 \else
15221 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
15222 \fi%
15223 \else%
15224 \ifx\hvSet@capVPos\hv@Top
15225 \ifhv@fbox
15226 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15227 \else
15228 \raisebox{-\height}{\usebox{\hvObjectBox}}%
15229 \fi%
15230 \hspace{\hvSet@floatCapSep pt}%
15231 \ifhv@fbox
15232 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15233 \else
15234 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15235 \fi
15236 \else
15237 \ifhv@fbox
15238 \fbox{\usebox{\hvObjectBox}}%
15239 \else
15240 \usebox{\hvObjectBox}%
15241 \fi
15242 \hspace{\hvSet@floatCapSep pt}%
15243 \ifhv@fbox
15244 \fbox{\usebox{\hvCaptionBox}}%
15245 \else
15246 \usebox{\hvCaptionBox}%
15247 \fi%
15248 \fi%
15249 \fi%
15250 \else% not RTL
15251 \ifx\hvSet@capVPos\hv@Center%
15252 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%

```



```

15253     \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
15254     \fi%
15255     \hspace{\hvSet@floatCapSep pt}% capfloatsep
15256     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
15257     \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
15258     \fi%
15259 \else%
15260     \ifx\hvSet@capVPos\hv@Top % caption at top
15261     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15262     \else      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15263     \fi
15264     \hspace{\hvSet@floatCapSep pt}% capfloatsep
15265     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15266     \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
15267     \fi%
15268 \else% caption on bottom
15269     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
15270     \else\usebox{\hvCaptionBox}
15271     \fi%
15272     \hspace{\hvSet@floatCapSep pt}%
15273     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
15274     \else      \usebox{\hvObjectBox}
15275     \fi%
15276 \fi%
15277 \fi% end of RTL
15278 \fi%
15279 \else
15280 \ifx\hvSet@capPos\hv@Top
15281 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
15282 \begin{minipage}{\wd\hvCaptionBox}
15283 \else
15284 \begin{minipage}{\wd\hvObjectBox}
15285 \fi
15286 \centering
15287 \ifhv@fbox
15288 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
15289 \fbbox{\usebox{\hvObjectBox}}
15290 \else
15291 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
15292 \usebox{\hvObjectBox}
15293 \fi%
15294 \end{minipage}
15295 \else
15296 \ifx\hvSet@capPos\hv@Bottom
15297 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
15298 \begin{minipage}{\wd\hvCaptionBox}
15299 \else
15300 \begin{minipage}{\wd\hvObjectBox}
15301 \fi
15302 \centering
15303 \ifhv@fbox
15304 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
15305 \fbbox{\usebox{\hvCaptionBox}}
15306 \else

```



```

15307 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
15308 \usebox{\hvCaptionBox}
15309 \fi%
15310 \end{minipage}
15311 \else% the last option: put the caption on the right
15312 \if@RTL%
15313     \ifx\hvSet@capVPos\hv@Center%
15314         \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15315         \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
15316         \fi%
15317         \hspace{\hvSet@floatCapSep pt}% capfloatsep
15318         \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
15319         \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
15320         \fi%
15321     \else%
15322         \ifx\hvSet@capVPos\hv@Top % caption at top
15323             \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15324             \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15325             \fi
15326             \hspace{\hvSet@floatCapSep pt}% capfloatsep
15327             \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
15328             \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
15329             \fi%
15330         \else% caption on bottom
15331             \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
15332             \else\usebox{\hvCaptionBox}
15333             \fi%
15334             \hspace{\hvSet@floatCapSep pt}%
15335             \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
15336             \else \usebox{\hvObjectBox}
15337             \fi%
15338         \fi%
15339     \fi%
15340 \else% not RTL
15341 \ifx\hvSet@capVPos\hv@Center%
15342 \ifhv@fbox
15343 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
15344 \else
15345 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
15346 \fi%
15347 \hspace{\hvSet@floatCapSep pt}%
15348 \ifhv@fbox
15349 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
15350 \else
15351 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
15352 \fi%
15353 \else%
15354 \ifx\hvSet@capVPos\hv@Top
15355 \ifhv@fbox
15356 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
15357 \else
15358 \raisebox{-\height}{\usebox{\hvObjectBox}}%
15359 \fi%
15360 \hspace{\hvSet@floatCapSep pt}%

```



```

15361 \ifhv@fbox
15362 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
15363 \else
15364 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
15365 \fi
15366 \else
15367 \ifhv@fbox
15368 \fbox{\usebox{\hvObjectBox}}%
15369 \else
15370 \usebox{\hvObjectBox}%
15371 \fi
15372 \hspace{\hvSet@floatCapSep pt}%
15373 \ifhv@fbox
15374 \fbox{\usebox{\hvCaptionBox}}%
15375 \else
15376 \usebox{\hvCaptionBox}%
15377 \fi%
15378 \fi%
15379 \fi
15380 \fi% end of RTL
15381 \fi
15382 \fi
15383 \fi
15384 }% End savebox Object and caption
15385 %
15386 % now we rotate the object and caption, if needed
15387 %
15388 \ifx\hvSet@rotAngle\hv@Zero
15389 \usebox{\@tempboxa}
15390 \else
15391 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
15392 \fi
15393 \ifhv@nonFloat
15394 \ifx\hvSet@objectPos\hv@Center
15395 \ifhv@nonFloat
15396 \hspace{\fill}
15397 \fi
15398 \fi
15399 \endgroup% End the nonfloat part
15400 \else
15401 \end{\hv@floatType}% End the floating environment
15402 \fi
15403 }

```

102 File hyperref-xetex-bidi.def

```

15404 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
15405 \AtBeginDocument{%
15406 \def\contentsline#1#2#3#4{%
15407   \ifx\\#4\\%
15408     \csname l@#1\endcsname{#2}{#3}%
15409   \else
15410     \ifcase\Hy@linktoc % none
15411       \csname l@#1\endcsname{#2}{#3}%

```




```

15412 \or % section
15413 \csname l@#1\endcsname{%
15414 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
15415 }{#3}%
15416 \or % page
15417 \csname l@#1\endcsname{#{2}}{%
15418 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
15419 }%
15420 \else % all
15421 \csname l@#1\endcsname{%
15422 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
15423 }{%
15424 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
15425 }%
15426 \fi
15427 \fi
15428 }
15429 \ifHy@hyperfootnotes
15430 \let\H@@footnotetext\@footnotetext
15431 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
15432 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
15433 \def\xfootnotenext[#1]{%
15434 \begingroup
15435 \csname c@%mpfn\endcsname #1\relax
15436 \unrestored@protected@xdef\@thefnmark{\thempfn}%
15437 \endgroup
15438 \ifx\@footnotetext\@mpfootnotetext
15439 \expandafter\H@%mpfootnotetext
15440 \else
15441 \expandafter\H@@footnotetext
15442 \fi
15443 }%
15444 \def\xRTLfootnotenext[#1]{%
15445 \begingroup
15446 \csname c@%mpfn\endcsname #1\relax
15447 \unrestored@protected@xdef\@thefnmark{\thempfn}%
15448 \endgroup
15449 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
15450 \expandafter\HRTL@%mpRTLfootnotetext
15451 \else
15452 \expandafter\HRTL@RTLfootnotetext
15453 \fi
15454 }%
15455 \def\xLTRfootnotenext[#1]{%
15456 \begingroup
15457 \csname c@%mpfn\endcsname #1\relax
15458 \unrestored@protected@xdef\@thefnmark{\thempfn}%
15459 \endgroup
15460 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
15461 \expandafter\HLTR@%mpLTRfootnotetext
15462 \else
15463 \expandafter\HLTR@LTRfootnotetext
15464 \fi
15465 }%

```



```

15466 \def\xfootnotemark[#1]{%
15467 \begingroup
15468 \c@footnote #1\relax
15469 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
15470 \endgroup
15471 \H@@footnotemark
15472 }%
15473 \let\H@@mpfootnotetext\@mpfootnotetext
15474 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
15475 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
15476 \long\def\@mpfootnotetext#1{%
15477 \H@@mpfootnotetext{%
15478 \ifHy@nesting
15479 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15480 \else
15481 \Hy@raisedlink{%
15482 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15483 }#1%
15484 \fi
15485 }%
15486 }%
15487 \long\def\@mpRTLfootnotetext#1{%
15488 \HRTL@@mpRTLfootnotetext{%
15489 \ifHy@nesting
15490 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15491 \else
15492 \Hy@raisedlink{%
15493 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15494 }#1%
15495 \fi
15496 }%
15497 }%
15498 \long\def\@mpLTRfootnotetext#1{%
15499 \HLTR@@mpLTRfootnotetext{%
15500 \ifHy@nesting
15501 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15502 \else
15503 \Hy@raisedlink{%
15504 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15505 }#1%
15506 \fi
15507 }%
15508 }%
15509 \long\def\@footnotetext#1{%
15510 \H@@footnotetext{%
15511 \ifHy@nesting
15512 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15513 \else
15514 \Hy@raisedlink{%
15515 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15516 }%
15517 \let\@currentHlabel\Hy@footnote@currentHlabel
15518 \let\@currentHref\Hy@footnote@currentHref
15519 \let\@currentlabelname\@empty

```



```

15520         #1%
15521     \fi
15522 }%
15523 }%
15524 \long\def\@RTLfootnotetext#1{%
15525 \HRTL@RTLfootnotetext{%
15526 \ifHy@nesting
15527 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15528 \else
15529 \Hy@raisedlink{%
15530 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15531 }%
15532 \let\@currentHlabel\Hy@footnote@currentHlabel
15533 \let\@currentHref\Hy@footnote@currentHref
15534 \let\@currentlabelname\@empty
15535 #1%
15536 \fi
15537 }%
15538 }%
15539 \long\def\@LTRfootnotetext#1{%
15540 \HLTR@LTRfootnotetext{%
15541 \ifHy@nesting
15542 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
15543 \else
15544 \Hy@raisedlink{%
15545 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
15546 }%
15547 \let\@currentHlabel\Hy@footnote@currentHlabel
15548 \let\@currentHref\Hy@footnote@currentHref
15549 \let\@currentlabelname\@empty
15550 #1%
15551 \fi
15552 }%
15553 }%
15554 \@ifpackageloaded{tabularx}{%
15555 \let\HyOrg@TX@endtabularx\TX@endtabularx
15556 \def\Hy@tabularx@hook{%
15557 \let\@footnotetext\H@@footnotetext
15558 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
15559 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
15560 \let\@footnotemark\H@@footnotemark
15561 \let\@mpfootnotetext\H@@mpfootnotetext
15562 \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
15563 \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
15564 }%
15565 \begingroup
15566 \toks@\expandafter{\TX@endtabularx}%
15567 \xdef\Hy@gtemp{%
15568 \noexpand\Hy@tabularx@hook
15569 \the\toks@
15570 }%
15571 \endgroup
15572 \let\TX@endtabularx\Hy@gtemp
15573 }{}%

```



```

15574 \ifpackageloaded{longtable}{%
15575 \CheckCommand*{\LT@p@LTRfnttext}[1]{%
15576 \edef\@tempa{%
15577 \the\LT@p@ftn
15578 \noexpand\LTRfootnotetext[\the\c@footnote]%
15579 }%
15580 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
15581 }%
15582 \long\def\LT@p@LTRfnttext#1{%
15583 \edef\@tempa{%
15584 \the\LT@p@ftn
15585 \begingroup
15586 \noexpand\c@footnote=\the\c@footnote\relax
15587 \noexpand\protected@xdef\noexpand\@thefnmark{%
15588 \noexpand\thempfn
15589 }%
15590 \noexpand\Hy@LT@LTRfootnotetext{%
15591 \Hy@footnote@currentHref
15592 }%
15593 }%
15594 \global\LT@p@ftn\expandafter{%
15595 \@tempa{#1}%
15596 \endgroup
15597 }%
15598 }%
15599 \long\def\Hy@LT@LTRfootnotetext#1#2{%
15600 \HLTR@@LTRfootnotetext{%
15601 \ifHy@nesting
15602 \hyper@@anchor{#1}{#2}%
15603 \else
15604 \Hy@raisedlink{%
15605 \hyper@@anchor{#1}{\relax}%
15606 }%
15607 \def\@currentHref{#1}%
15608 \let\@currentlabelname\@empty
15609 #2%
15610 \fi
15611 }%
15612 }%
15613 \CheckCommand*{\LT@p@RTLfnttext}[1]{%
15614 \edef\@tempa{%
15615 \the\LT@p@ftn
15616 \noexpand\RTLfootnotetext[\the\c@footnote]%
15617 }%
15618 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
15619 }%
15620 \long\def\LT@p@RTLfnttext#1{%
15621 \edef\@tempa{%
15622 \the\LT@p@ftn
15623 \begingroup
15624 \noexpand\c@footnote=\the\c@footnote\relax
15625 \noexpand\protected@xdef\noexpand\@thefnmark{%
15626 \noexpand\thempfn
15627 }%

```



```

15628         \noexpand\Hy@LT@RTLfootnotetext{%
15629             \Hy@footnote@currentHref
15630         }%
15631     }%
15632     \global\LT@p@ftn\expandafter{%
15633         \@tempa{#1}%
15634     \endgroup
15635     }%
15636 }%
15637 \long\def\Hy@LT@RTLfootnotetext#1#2{%
15638     \HRTL@RTLfootnotetext{%
15639         \ifHy@nesting
15640             \hyper@@anchor{#1}{#2}%
15641         \else
15642             \Hy@raisedlink{%
15643                 \hyper@@anchor{#1}{\relax}%
15644             }%
15645             \def\@currentHref{#1}%
15646             \let\@currentlabelname\@empty
15647             #2%
15648         \fi
15649     }%
15650 }%
15651 }{}%
15652 \@ifpackageloaded{bidipoem}{%
15653     \long\def\bidipoem@p@ftntext#1{%
15654         \edef\@tempx{%
15655             \the\bidipoem@p@ftn
15656         \begingroup
15657             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
15658             \noexpand\protected@xdef\noexpand\@thefnmark{%
15659                 \noexpand\thempfn
15660             }%
15661             \noexpand\Hy@bidipoem@footnotetext{%
15662                 \Hy@footnote@currentHref
15663             }%
15664         }%
15665         \global\bidipoem@p@ftn\expandafter{%
15666             \@tempx{#1}%
15667         \endgroup
15668         }%
15669     }%
15670     \long\def\Hy@bidipoem@footnotetext#1#2{%
15671         \H@@footnotetext{%
15672             \ifHy@nesting
15673                 \hyper@@anchor{#1}{#2}%
15674             \else
15675                 \Hy@raisedlink{%
15676                     \hyper@@anchor{#1}{\relax}%
15677                 }%
15678                 \def\@currentHref{#1}%
15679                 \let\@currentlabelname\@empty
15680                 #2%
15681             \fi

```



```

15682 }%
15683 }%
15684 \long\def\bidipoem@p@LTRftntext#1{%
15685 \edef\@tempxi{%
15686 \the\bidipoem@p@ftn
15687 \begingroup
15688 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
15689 \noexpand\protected@xdef\noexpand\@thefnmark{%
15690 \noexpand\thempfn
15691 }%
15692 \noexpand\Hy@bidipoem@LTRfootnotetext{%
15693 \Hy@footnote@currentHref
15694 }%
15695 }%
15696 \global\bidipoem@p@ftn\expandafter{%
15697 \@tempxi{#1}%
15698 \endgroup
15699 }%
15700 }%
15701 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
15702 \HLTR@@LTRfootnotetext{%
15703 \ifHy@nesting
15704 \hyper@@anchor{#1}{#2}%
15705 \else
15706 \Hy@raisedlink{%
15707 \hyper@@anchor{#1}{\relax}%
15708 }%
15709 \def\@currentHref{#1}%
15710 \let\@currentlabelname\empty
15711 #2%
15712 \fi
15713 }%
15714 }%
15715 \long\def\bidipoem@p@RTLftntext#1{%
15716 \edef\@tempxii{%
15717 \the\bidipoem@p@ftn
15718 \begingroup
15719 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
15720 \noexpand\protected@xdef\noexpand\@thefnmark{%
15721 \noexpand\thempfn
15722 }%
15723 \noexpand\Hy@bidipoem@RTLfootnotetext{%
15724 \Hy@footnote@currentHref
15725 }%
15726 }%
15727 \global\bidipoem@p@ftn\expandafter{%
15728 \@tempxii{#1}%
15729 \endgroup
15730 }%
15731 }%
15732 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
15733 \HRTL@@RTLfootnotetext{%
15734 \ifHy@nesting
15735 \hyper@@anchor{#1}{#2}%

```



```

15736         \else
15737             \Hy@raisedlink{%
15738                 \hyper@@anchor{#1}{\relax}%
15739             }%
15740             \def\@currentHref{#1}%
15741             \let\@currentlabelname\@empty
15742             #2%
15743         \fi
15744     }%
15745 }%
15746 }{}%
15747 \let\HyOrg@maketitle\maketitle
15748 \def\maketitle{%
15749     \let\Hy@saved@footnotemark\@footnotemark
15750     \let\Hy@saved@footnotetext\@footnotetext
15751     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
15752     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
15753     \let\@footnotemark\H@@footnotemark
15754     \let\@footnotetext\H@@footnotetext
15755     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
15756     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
15757     \@ifnextchar[\Hy@maketitle@optarg{% ]
15758         \HyOrg@maketitle
15759         \Hy@maketitle@end
15760     }%
15761 }%
15762 \def\Hy@maketitle@optarg[#1]{%
15763     \HyOrg@maketitle[#{#1}]%
15764     \Hy@maketitle@end
15765 }%
15766 \def\Hy@maketitle@end{%
15767     \ifx\@footnotemark\H@@footnotemark
15768         \let\@footnotemark\Hy@saved@footnotemark
15769     \fi
15770     \ifx\@footnotetext\H@@footnotetext
15771         \let\@footnotetext\Hy@saved@footnotetext
15772     \fi
15773     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
15774         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
15775     \fi
15776     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
15777         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
15778     \fi
15779 }%
15780 \def\realfootnote{%
15781     \@ifnextchar[\@xfootnote{%
15782         \stepcounter{\@mpfn}%
15783         \protected@xdef\@thefnmark{\thempfn}%
15784         \H@@footnotemark\H@@footnotetext
15785     }%
15786 }%
15787 \fi
15788 \def\Hy@BeginAnnot#1{%
15789     \ifmmode\else\beginL\fi%

```



```

15790 \global\advance\c@Hy@AnnotLevel\@ne
15791 \ifnum\c@Hy@AnnotLevel=\@ne
15792   #1%
15793 \fi
15794 }
15795 \def\Hy@EndAnnot{%
15796   \ifnum\c@Hy@AnnotLevel=\@ne
15797     \Hy@endcolorlink
15798     \@pdfm@mark{eann}%
15799   \fi
15800 \global\advance\c@Hy@AnnotLevel\m@ne
15801 \ifmmode\else\endL\fi%
15802 }
15803 \def\hyper@link#1#2#3{%
15804   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi
15805 }
15806 \def\hyper@linkfile#1#2#3{%
15807   \leavevmode
15808   \Hy@BeginAnnot{%
15809     \def\Hy@pstringF{#2}%
15810     \Hy@CleanupFile\Hy@pstringF
15811     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
15812     \Hy@pstringdef\Hy@pstringD{#3}%
15813     \Hy@MakeRemoteAction
15814     \@pdfm@mark{%
15815       bann<<%
15816         /Type/Annot%
15817         /Subtype/Link%
15818         \ifHy@pdfa /F 4\fi
15819         \Hy@setpdfborder
15820         \ifx\@filebordercolor\relax
15821           \else
15822             /C[\@filebordercolor]%
15823           \fi
15824         /A<<%
15825         /S/GoToR%
15826         /F(\Hy@pstringF)%
15827         /D%
15828         \ifx\#3\%
15829           [\Hy@href@page\@pdfremotestartview]%
15830         \else
15831           (\Hy@pstringD)%
15832         \fi
15833         \Hy@SetNewWindow
15834         \Hy@href@nextactionraw
15835       >>%
15836     >>%
15837   }%
15838   \Hy@colorlink\@filecolor
15839 }%
15840 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
15841 \Hy@EndAnnot
15842 }
15843 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname

```




```

15844 \leavevmode
15845 \Hy@BeginAnnot{%
15846   \Hy@pstringdef\Hy@pstringF{#1}%
15847   \Hy@pstringdef\Hy@pstringP{#3}%
15848   \@pdfm@mark{%
15849     bann<<%
15850     /Type/Annot%
15851     /Subtype/Link%
15852     \ifHy@pdfa /F 4\fi
15853     \Hy@setpdfborder
15854     \ifx\@runbordercolor\relax
15855     \else
15856       /C[\@runbordercolor]%
15857     \fi
15858     /A<<%
15859     /F(\Hy@pstringF)%
15860     /S/Launch%
15861     \Hy@SetNewWindow
15862     \ifx\#3\%
15863     \else
15864       /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
15865     \fi
15866     \Hy@href@nextactionraw
15867     >>%
15868   >>%
15869   }%
15870   \Hy@colorlink\@runcolor
15871 }%
15872 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
15873 \Hy@endAnnot
15874 }
15875 \def\hyper@linkurl#1#2{%
15876 \leavevmode
15877 \Hy@BeginAnnot{%
15878   \Hy@pstringdef\Hy@pstringURI{#2}%
15879   \@pdfm@mark{%
15880     bann<<%
15881     /Type/Annot%
15882     /Subtype/Link%
15883     \ifHy@pdfa /F 4\fi
15884     \Hy@setpdfborder
15885     \ifx\@urlbordercolor\relax
15886     \else
15887       /C[\@urlbordercolor]%
15888     \fi
15889     /A<<%
15890     /S/URI%
15891     /URI(\Hy@pstringURI)%
15892     \ifHy@href@ismap
15893       /IsMap true%
15894     \fi
15895     \Hy@href@nextactionraw
15896     >>%
15897   >>%

```



```

15898 }%
15899 \Hy@colorlink\@urlcolor
15900 }%
15901 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
15902 \Hy@EndAnnot
15903 }
15904 \def\Acrobatmenu#1#2{%
15905 \Hy@Acrobatmenu{#1}{#2}{%
15906 \Hy@BeginAnnot{%
15907 \EdefEscapeName\Hy@temp@menu{#1}%
15908 \@pdfm@mark{%
15909 bann<<%
15910 /Type/Annot%
15911 /Subtype/Link%
15912 \ifHy@pdfa /F 4\fi
15913 \Hy@setpdfborder
15914 \ifx\@menubordercolor\relax
15915 \else
15916 /C[\@menubordercolor]%
15917 \fi
15918 /A<<%
15919 /S/Named%
15920 /N/\Hy@temp@menu
15921 \Hy@href@nextactionraw
15922 >>%
15923 >>%
15924 }%
15925 \Hy@colorlink\@menucolor
15926 }%
15927 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
15928 \Hy@EndAnnot
15929 }%
15930 }
15931 \def\hyper@natlinkstart#1{%
15932 \Hy@backout{#1}%
15933 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
15934 \def\hyper@nat@current{#1}%
15935 }
15936 \def\hyper@natlinkend{%
15937 \if@RTL\endR\fi\hyper@linkend
15938 }
15939 \def\hyper@natlinkbreak#1#2{%
15940 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
15941 }%
15942 }
15943 \pdfstringdefDisableCommands{%
15944 \let\LRE\@firstofone
15945 \let\LR\@firstofone
15946 \let\RLE\@firstofone
15947 \let\RL\@firstofone
15948 \def\XeTeX{XeTeX}%
15949 \def\XeLaTeX{XeLaTeX}%
15950 }
15951 \@ifpackageloaded{longtable}{%

```



```

15952 \begingroup
15953   \def\y{\LT@array}%
15954   \ifundefined{scr@LT@array}{%
15955     \ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
15956   }\def\y{\scr@LT@array}%
15957   \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
15958     \expandafter\endgroup
15959     \expandafter\def\y[#1]##2{%
15960       \H@refstepcounter{#1}%
15961       \hyper@makecurrent{table}%
15962       \let\Hy@LT@currentHref\@currentHref
15963       #2\@sharp####4%
15964     }%
15965   }%
15966   \expandafter\expandafter\expandafter\x\y[{#1}]{#2}\@nil
15967 \begingroup
15968   \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
15969     \endgroup
15970     \def\LT@start{%
15971       #1%
15972       \ifvoid\LT@foot#2\fi
15973       \let\@currentHref\Hy@LT@currentHref
15974       \Hy@raisedlink{%
15975         \hyper@anchorstart{\@currentHref}\hyper@anchorend
15976       }%
15977       #3%
15978     }%
15979   }%
15980   \expandafter\x\LT@start\@nil
15981 }{}
15982 \bidi@patchcmd\@TextField{%
15983   \@pdfm@mark
15984 }{%
15985   \if@RTL
15986     \hskip\Fld@width
15987   \fi
15988   \@pdfm@mark
15989 }{}{}
15990 \bidi@patchcmd\@TextField{%
15991   \unhbox
15992 }{%
15993   \if@RTL
15994     \hskip-\Fld@width
15995   \fi
15996   \unhbox
15997 }{}{}
15998 \bidi@patchcmd\@Radio{%
15999   \@pdfm@mark
16000 }{%
16001   \if@RTL
16002     \hskip\Fld@width
16003   \fi
16004   \@pdfm@mark
16005 }{}{}

```



```

16006 \bidi@patchcmd\@@Radio{%
16007   \unhcopy
16008 }{%
16009   \if@RTL
16010     \hskip-\Fld@width
16011   \fi
16012   \unhcopy
16013 }{}{}
16014 \bidi@patchcmd\@Submit{%
16015   \@pdfm@mark
16016 }{%
16017   \if@RTL
16018     \null
16019     \hskip\wd\pdfm@box
16020   \fi
16021   \@pdfm@mark
16022 }{}{}
16023 \bidi@patchcmd\@Submit{%
16024   \unhbox
16025 }{%
16026   \if@RTL
16027     \hskip-\wd\pdfm@box
16028   \fi
16029   \unhbox
16030 }{}{}
16031 \bidi@patchcmd\@Reset{%
16032   \@pdfm@mark
16033 }{%
16034   \if@RTL
16035     \null
16036     \hskip\wd\pdfm@box
16037   \fi
16038   \@pdfm@mark
16039 }{}{}
16040 \bidi@patchcmd\@Reset{%
16041   \unhbox
16042 }{%
16043   \if@RTL
16044     \hskip-\wd\pdfm@box
16045   \fi
16046   \unhbox
16047 }{}{}

```

103 File `imsproc-xetex-bidi.def`

```

16048 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for
16049 \newenvironment{thebibliography}[1]{%
16050   \@bibtitlestyle
16051   \normalfont\bibliofont\labelsep .5em\relax
16052   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
16053   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16054   \bidi@thebibliography@font@hook
16055   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
16056     \leftmargin\labelwidth \advance\leftmargin\labelsep

```



```

16057 \usecounter{enumiv}}}%
16058 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
16059 \sfcode`\.\=\@m
16060 }{%
16061 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}}%
16062 \endlist
16063 }
16064
16065 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
16066 \columnseprule\z@ \columnsep 35\p@
16067 \@indextitlestyle
16068 \thispagestyle{plain}%
16069 \let\item\@idxitem
16070 \parindent\z@ \parskip\z@\@plus.3\p@\relax
16071 \if@RTL\raggedleft\else\raggedright\fi
16072 \hyphenpenalty\@M
16073 \footnotesize}
16074 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
16075 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
16076 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
16077
16078 \def\right@footnoterule{%
16079 \kern-.4\p@
16080 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
16081 \kern11\p@\kern-\footnotesep}
16082 \def\left@footnoterule{\kern-.4\p@
16083 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
16084 \def\@makefnmark{%
16085 \leavevmode
16086 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
16087 }
16088
16089 \def\part{\@startsection{part}{0}%
16090 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
16091 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
16092 \def\@tocline#1#2#3#4#5#6#7{\relax
16093 \ifnum #1>\c@tocdepth % then omit
16094 \else
16095 \par \addpenalty\@secpenalty\addvspace{#2}%
16096 \begingroup \hyphenpenalty\@M
16097 \@ifempty{#4}{%
16098 \@tempdima\csname r@tocindent\number#1\endcsname\relax
16099 }{%
16100 \@tempdima#4\relax
16101 }%
16102 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
16103 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
16104 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
16105 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16106 \nobreak
16107 \endgroup
16108 \fi}
16109 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
16110 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}

```



```

16111 \renewcommand\theparagraph      {\thesubsubsection\@SepMark\arabic{paragraph}}
16112 \renewcommand\thesubparagraph  {\theparagraph\@SepMark\arabic{subparagraph}}
16113 \def\maketitle{\par
16114   \@topnum\z@ % this prevents figures from falling at the top of page 1
16115   \@setcopyright
16116   \thispagestyle{firstpage}% this sets first page specifications
16117   \uppercasenonmath\shorttitle
16118   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
16119   \else \andify\shortauthors
16120   \fi
16121   \@maketitle@hook
16122   \begingroup
16123   \@maketitle
16124   \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
16125   \toks4{\def\\{ \ignorespaces}}% defend against questionable usage
16126   \edef\@tempa{%
16127     \@nx\markboth{\the\toks4
16128       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
16129   \@tempa
16130   \endgroup
16131   \c@footnote\z@
16132   \@cleartopmattertags
16133 }

```

104 File leqno-xetex-bidi.def

```

16134 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
16135 \renewcommand\@eqnnum{\hb@xt@.01\p@{}%
16136   \rlap{\hskip -\displaywidth
16137     {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR}}

```

105 File letter-xetex-bidi.def

```

16138 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
16139 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
16140   \thispagestyle{firstpage}%
16141   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
16142   \else % home address
16143     \thispagestyle{empty}%
16144     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}{l{}}
16145       \fromaddress \*[2\parskip]%
16146       \@date \end{tabular}\par}%
16147   \fi
16148   \vspace{2\parskip}%
16149   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
16150   \vspace{2\parskip}%
16151   #1\par\nobreak}
16152 \renewcommand\left@footnoterule{%
16153   \kern-\p@
16154   \hrule \@width .4\columnwidth
16155   \kern .6\p@}
16156 \renewcommand\right@footnoterule{%
16157   \kern-\p@
16158   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }

```



16159 \kern .6\p@}

106 File lettrine-xetex-bidi.def

```

16160 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package]
16161 \def\@lettrine[#1]#2#3{%
16162   \def\l@initial{#2}\let\l@refstring\l@initial
16163   \setcounter{L@lines}{\value{DefaultLines}}%
16164   \setcounter{L@depth}{\value{DefaultDepth}}%
16165   \renewcommand*{\L@hang}{\DefaultLhang}%
16166   \renewcommand*{\L@oversize}{\DefaultLoversize}%
16167   \renewcommand*{\L@raise}{\DefaultLraise}%
16168   \renewcommand*{\L@ante}{}%
16169   \setlength{\L@Findent}{\DefaultFindent}%
16170   \setlength{\L@Nindent}{\DefaultNindent}%
16171   \setlength{\L@slope}{\DefaultSlope}%
16172   \setlength{\L@novskip}{\DiscardVskip}%
16173   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
16174   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
16175   \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
16176   \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
16177   \setkeys{L}{#1}%
16178   \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
16179   \ifL@realh
16180     \def\@tempa{#3}%
16181     \ifx\@tempa\@empty
16182       \PackageWarning{lettrine.sty}%
16183         {Empty second argument,\MessageBreak
16184           ignoring option `realheight';}%
16185     \else
16186       \sbox{\L@tbox}{\LettrineTextFont{#3}}%
16187     \fi
16188   \fi
16189   \if\DefaultOptionsFile\relax
16190   \else
16191     \begingroup
16192     \InputIfFileExists{\DefaultOptionsFile}%
16193       {}%
16194       {\PackageWarning{lettrine.sty}%
16195         {File \DefaultOptionsFile\space not found}}%
16196    }%
16197   \def\color##1##{\l@color{##1}}%
16198   \let\l@color\@gobbletwo
16199   \def\textcolor##1##{\l@textcolor{##1}}%
16200   \def\l@textcolor##1##2##3{##3}%
16201   \expandafter\ifx\csname l@#2-keys\endcsname\relax
16202     \gdef\l@LOKeys{%
16203       \else
16204       \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
16205     \fi
16206   \endgroup
16207   \def\KV@prefix{KV@L@}%
16208   \let\@tempc\relax
16209   \expandafter\KV@do\l@LOKeys,\relax,

```



```

16210 \setupL@lbox
16211 \setlength{\LettrineWidth}{\wd\L@lbox}%
16212 \def\KV@prefix{KV@L@}%
16213 \let\@tempc\relax
16214 \expandafter\KV@do\l@LOKeys,\relax,
16215 \setkeys{L}{\#1}%
16216 \fi
16217 \setupL@lbox
16218 \setlength{\LettrineWidth}{\wd\L@lbox}%
16219 \setlength{\LettrineHeight}{\ht\L@lbox}%
16220 \setlength{\LettrineDepth}{\dp\L@lbox}%
16221 \begingroup
16222 \def\IeC##1{##1}%
16223 \@tempdima=\L@oversize pt\relax
16224 \PackageInfo{lettrine.sty}%
16225   {Targeted height = \the\L@target@tth\MessageBreak
16226     (no accent, loversize=0),\MessageBreak
16227     Lettrine height = \the\LettrineHeight\space (#2)%
16228     \ifdim\@tempdima=z@\else\space loversize=\L@oversize\fi;%
16229     \MessageBreak reported}%
16230 \endgroup
16231 \sbox{\L@tbox}{\LettrineTextFont{\#3}}%
16232 \setlength{\L@first}{\LettrineHeight}%
16233 \setlength{\L@lraise}{\L@raise\L@target@tth}%
16234 \addtolength{\L@first}{\L@lraise}%
16235 \ifnum\value{L@lines}=1
16236   \addtolength{\L@first}{-\ht\L@tbox}%
16237 \else
16238   \addtolength{\L@first}{-\L@target@tth}%
16239   \addtolength{\L@lraise}{-\L@target@dp}%
16240 \fi
16241 \par
16242 \ifdim\L@first>\L@novskip
16243   \ifL@grid
16244     \@tempdima=\baselineskip
16245     \@tempdimb=\@tempdima
16246     \advance\@tempdimb by \L@novskip
16247     \@tempcnta=1
16248     \loop\ifdim\L@first>\@tempdimb
16249       \advance\@tempcnta by 1
16250       \advance\L@first by -\@tempdima
16251     \repeat
16252     \L@first=\@tempcnta\baselineskip
16253   \fi
16254   \vskip\L@first
16255 \fi
16256 \setlength{\L@Pindent}{\wd\L@lbox}%
16257 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
16258 \settowidth{\L@first}{\L@ante}%
16259 \addtolength{\L@Pindent}{\L@first}%
16260 \addtolength{\L@Pindent}{\L@Findent}%
16261 \setlength{\L@first}{\linewidth}%
16262 \addtolength{\L@first}{-\L@Pindent}%
16263 \addtolength{\L@Nindent}{\L@Pindent}%

```




```

16264 \setlength{\L@next}{\linewidth}%
16265 \addtolength{\L@next}{-\L@Nindent}%
16266 \addtolength{\L@Pindent}{\@totalleftmargin}%
16267 \addtolength{\L@Nindent}{\@totalleftmargin}%
16268 \addtocounter{L@lines}{1}%
16269 \addtocounter{L@lines}{\value{L@depth}}%
16270 \if@RTL
16271   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
16272 \else
16273   \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
16274 \fi
16275 \@tempcnta=\tw@
16276 \@whilenum \@tempcnta<\c@L@lines\do{%
16277   \if@RTL
16278     \edef\L@parshape{\L@parshape \z@ \the\L@next}%
16279   \else
16280     \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
16281   \fi
16282   \addtolength{\L@Nindent}{\L@slope}%
16283   \addtolength{\L@next}{-\L@slope}%
16284   \advance\@tempcnta\@ne}%
16285 \if@RTL
16286   \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
16287 \else
16288   \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
16289 \fi
16290 \noindent
16291 \parshape=\L@parshape\relax
16292 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
16293   \hskip \the\L@Findent}}%
16294 \usebox{\L@tbox}%
16295 \ifnum\@listdepth>0 \Lreset@listparshape \fi
16296 }

```

107 File lineno-xetex-bidi.def

```

16297 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for
16298 \bidi@patchcmd{\MakeLineNo}{%
16299   \hb@xt@\z@{\makeLineNumber}%
16300 }{%
16301   \hboxL to \z@{\makeLineNumber}%
16302 }{}{}
16303
16304 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
16305   \if@RTL
16306     \hb@xt@\linewidthwidth{\LineNumber\hss}%
16307   \else
16308     \LineNumber
16309   \fi
16310 }{}{}
16311
16312 \bidi@patchcmd{\makeLineNumberRight}{%
16313   \hb@xt@\linewidthwidth{\hss\LineNumber}%
16314 }{%

```



```

16315 \if@RTL
16316   \LineNumber
16317 \else
16318   \hb@xt@\linenumberwidth{\hss\LineNumber}%
16319 \fi
16320 }{}{}
16321
16322 \bidi@AfterPreamble{%
16323   \if@RTLmain
16324     \rightlinenumber*
16325 \else
16326   \leftlinenumber*
16327 \fi
16328 \@ifpackagewith{lineno}{left}{%
16329   \leftlinenumber*
16330 }{}
16331 \@ifpackagewith{lineno}{right}{%
16332   \rightlinenumber*
16333 }{}
16334 }
16335

```

108 File listings-xetex-bidi.def

```

16336 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
16337 \lst@Key{captiondirection}{textdirection}{%
16338   \lstKV@SwitchCases{#1}%
16339   {textdirection:\\%
16340     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
16341     LTR:\chardef\bidi@lst@caption@direction\z@%
16342   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
16343
16344 \lst@Key{captionscript}{textscript}{%
16345   \lstKV@SwitchCases{#1}%
16346   {textscript:\\%
16347     latin:\chardef\bidi@lst@caption@script\@ne\\%
16348     nonlatin:\chardef\bidi@lst@caption@script\z@%
16349   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
16350
16351 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
16352   \@ifundefined{bidi@lst@caption@direction}{}{%
16353     \ifnum\bidi@lst@caption@direction=\z@%
16354       #1%
16355     \else%
16356       \ifnum\bidi@lst@caption@direction=\@ne%
16357         #2%
16358       \fi%
16359     \fi%
16360 }}
16361
16362 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
16363   \@ifundefined{bidi@lst@caption@script}{}{%
16364     \ifnum\bidi@lst@caption@script=\z@%
16365       #1%

```



```

16366     \else%
16367         \ifnum\@bidi@lst@caption@script=\@one%
16368             #2%
16369         \fi%
16370     \fi%
16371 }}
16372
16373 \long\def\@bidi@lst@makecaption#1#2{%
16374     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
16375     \vskip\abovecaptionskip
16376     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16377     \sbox\@tempboxa{%
16378         \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
16379         #1: #2%
16380         \bidi@lst@ensure@caption@direction{\endL}{\endR}%
16381     }%
16382     \ifdim \wd\@tempboxa >\hsize
16383         #1: #2\par
16384     \else
16385         \global \@minipagefalse
16386         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
16387     \fi
16388     \vskip\belowcaptionskip}%
16389 \def\lst@makecaption{\@bidi@lst@makecaption}
16390 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
16391 \bidi@AtEndPreamble{%
16392 \bidi@patchcmd{\lst@MakeCaption}{%
16393     \ifx #1t%
16394         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
16395             \expandafter\refstepcounter
16396         \fi {lstlisting}%
16397 }{%
16398     \ifx #1t%
16399         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16400         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
16401             \expandafter\refstepcounter
16402         \fi {lstlisting}%
16403         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
16404 }{}{}%
16405 \bidi@patchcmd{\lst@MakeCaption}{%
16406     \addcontentsline{lol}{lstlisting}%
16407     {\protect\numberline{\thelstlisting}\lst@@caption}%
16408 }{%
16409 \begingroup%
16410     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
16411     \addcontentsline{lol}{lstlisting}%
16412     {\protect\numberline{\thelstlisting}\lst@@caption}%
16413 \endgroup%
16414 }{}{}%
16415 }
16416 \@ifpackageloaded{caption}{%
16417     \AtBeginCaption{%
16418         \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
16419         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%

```



```

16420 }
16421 \let\@bidi@lst@makecaption\caption@makecaption%
16422 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
16423 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
16424 }{%
16425 \AtBeginDocument{%
16426 \@ifundefined{captionlabelfalse}{\%
16427 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
16428 \@ifundefined{caption@startrue}{\%
16429 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
16430 }%
16431 }
16432 \AtBeginDocument{
16433 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{
16434 \lst@ifnumberbychapter
16435 \gdef\thelstlisting%
16436 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
16437 \else
16438 \gdef\thelstlisting{\@arabic\c@lstlisting}
16439 \fi}

```

109 File loadingorder-xetex-bidi.def

```

16440 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the las
16441 \bidi@isloaded{amsmath}
16442 \bidi@isloaded{amstext}
16443 \bidi@isloaded{amsthm}
16444 \bidi@isloaded{animate}
16445 \bidi@isloaded{breqn}
16446 \bidi@isloaded{cals}
16447 \bidi@isloaded{caption}
16448 \bidi@isloaded{crop}
16449 \bidi@isloaded{cuted}
16450 \bidi@isloaded{cutwin}
16451 \bidi@isloaded{color}
16452 \bidi@isloaded{dblfnote}
16453 \bidi@isloaded{diagbox}
16454 \bidi@isloaded{xcolor}
16455 \bidi@isloaded{colortbl}
16456 \bidi@isloaded{float}
16457 \bidi@isloaded{floatrow}
16458 \bidi@isloaded{flowfram}
16459 \bidi@isloaded{framed}
16460 \bidi@isloaded{ftnright}
16461 \bidi@isloaded{xltextra}
16462 \bidi@isloaded{xunicode}
16463 \bidi@isloaded{wrapfig}
16464 \bidi@isloaded{graphicx}
16465 \bidi@isloaded{geometry}
16466 \bidi@isloaded{hvfloat}
16467 \bidi@isloaded{mdframed}
16468 \bidi@isloaded{midfloat}
16469 \bidi@isloaded{ntheorem}
16470 \bidi@isloaded{ntheorem-hyper}

```



```

16471 \bidi@isloaded{hyperref}
16472 \bidi@isloaded{fancybox}
16473 \bidi@isloaded{fancyhdr}
16474 \bidi@isloaded{fix2col}
16475 \bidi@isloaded{draftwatermark}
16476 \bidi@isloaded{empheq}
16477 \bidi@isloaded{overpic}
16478 \bidi@isloaded{pdfpages}
16479 \bidi@isloaded{listings}
16480 \bidi@isloaded{lettrine}
16481 \bidi@isloaded{lineno}
16482 \bidi@isloaded{media9}
16483 \bidi@isloaded{pstricks}
16484 \bidi@isloaded{pgf}
16485 \bidi@isloaded{pictinpar}
16486 \bidi@isloaded{quotchap}
16487 \bidi@isloaded{tikz}
16488 \bidi@isloaded{titlesec}
16489 \bidi@isloaded{titletoc}
16490 \bidi@isloaded{array}
16491 \bidi@isloaded{soul}
16492 \bidi@isloaded{stabular}
16493 \bidi@isloaded{subfig}
16494 \bidi@isloaded{subfigure}
16495 \bidi@isloaded{supertabular}
16496 \bidi@isloaded{xtab}
16497 \bidi@isloaded{longtable}
16498 \bidi@isloaded{arydshln}
16499 \bidi@isloaded{multicol}
16500 \bidi@isloaded{multienum}
16501 \bidi@isloaded{minitoc}
16502 \bidi@isloaded{natbib}
16503 \bidi@isloaded{newfloat}
16504 \bidi@isloaded{ragged2e}
16505 \bidi@isloaded{rotating}
16506 \bidi@isloaded{tbls}
16507 \bidi@isloaded{tabulary}
16508 \bidi@isloaded{tocbasic}
16509 \bidi@isloaded{tocstyle}
16510 \bidi@isloaded{tocbibind}
16511 \bidi@isloaded{fontspec}
16512 \bidi@isloaded{arabxetex}
16513 \bidi@isloaded{polyglossia}
16514 \bidi@isloaded{fancyvrb}
16515 \AtBeginDocument{
16516   \if@bidi@amsmathloaded@ \else
16517     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi pack
16518   \fi%
16519   \if@bidi@amstextloaded@ \else
16520     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi pack
16521   \fi%
16522   \if@bidi@amsthmloaded@ \else
16523     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packa
16524   \fi%

```



```

16525 \if@bidi@animateloaded@else
16526 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi pack
16527 \fi%
16528 \if@bidi@breqnloaded@else
16529 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
16530 \fi%
16531 \if@bidi@calsloaded@else
16532 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package
16533 \fi%
16534 \if@bidi@captionloaded@else
16535 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pack
16536 \fi%
16537 \if@bidi@croplloaded@else
16538 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
16539 \fi%
16540 \if@bidi@colorloaded@else
16541 \@ifpackageloaded{hyperref}{\fi%
16542 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
16543 \fi%
16544 \if@bidi@cutwinloaded@else
16545 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packa
16546 \fi%
16547 \if@bidi@cutedloaded@else
16548 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
16549 \fi%
16550 \if@bidi@dblfnoteloaded@else
16551 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pac
16552 \fi%
16553 \if@bidi@diagboxloaded@else
16554 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
16555 \fi%
16556 \if@bidi@xcolorloaded@else
16557 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packa
16558 \fi%
16559 \if@bidi@colortblloaded@else
16560 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pac
16561 \fi%
16562 \if@bidi@floatloaded@else
16563 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
16564 \fi%
16565 \if@bidi@floatrowloaded@else
16566 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pac
16567 \fi%
16568 \if@bidi@flowframloaded@else
16569 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pac
16570 \fi%
16571 \if@bidi@framedloaded@else
16572 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packa
16573 \fi%
16574 \if@bidi@ftnrightloaded@else
16575 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pac
16576 \fi%
16577 \if@bidi@xltxttraloaded@else
16578 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxttra after bidi pack

```



```

16579 \fi%
16580 \if@bidi@xunicodeloaded@else
16581 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pack
16582 \fi%
16583 \if@bidi@wrapfigloaded@else
16584 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
16585 \fi%
16586 \if@bidi@graphicxloaded@else
16587 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pack
16588 \fi%
16589 \if@bidi@geometryloaded@else
16590 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pack
16591 \fi%
16592 \if@bidi@hvfloatloaded@else
16593 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
16594 \fi%
16595 \if@bidi@mdframedloaded@else
16596 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pack
16597 \fi%
16598 \if@bidi@midfloatloaded@else
16599 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pack
16600 \fi%
16601 \if@bidi@ntheoremloaded@else
16602 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pack
16603 \fi%
16604 \if@bidi@hyperrefloaded@else
16605 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pack
16606 \fi%
16607 \if@bidi@fancyboxloaded@else
16608 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pack
16609 \fi%
16610 \if@bidi@fancyhdrloaded@else
16611 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pack
16612 \fi%
16613 \if@bidi@draftwatermarkloaded@else
16614 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bi
16615 \fi%
16616 \if@bidi@empheqloaded@else
16617 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
16618 \fi%
16619 \if@bidi@overpicloaded@else
16620 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
16621 \fi%
16622 \if@bidi@pdfpagesloaded@else
16623 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pack
16624 \fi%
16625 \if@bidi@lettrineloaded@else
16626 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pack
16627 \fi%
16628 \if@bidi@linenoloaded@else
16629 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
16630 \fi%
16631 \if@bidi@listingsloaded@else
16632 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pack

```



```

16633 \fi%
16634 \csname if@bidi@media9loaded@\endcsname\else
16635 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
16636 \fi%
16637 \if@bidi@pstricksloaded@
16638 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
16639 \fi%
16640 \if@bidi@pgfloaded@
16641 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
16642 \fi%
16643 \if@bidi@picinparloaded@
16644 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac
16645 \fi%
16646 \if@bidi@quotchaploaded@
16647 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
16648 \fi%
16649 \if@bidi@tikzloaded@
16650 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
16651 \fi%
16652 \if@bidi@titlesecloaded@
16653 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac
16654 \fi%
16655 \if@bidi@titletocloaded@
16656 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
16657 \fi%
16658 \if@bidi@arrayloaded@
16659 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
16660 \fi%
16661 \if@bidi@stabularloaded@
16662 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
16663 \fi%
16664 \if@bidi@soulloaded@
16665 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package
16666 \fi%
16667 \if@bidi@subfigloaded@
16668 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packa
16669 \fi%
16670 \if@bidi@subfigureloaded@
16671 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pa
16672 \fi%
16673 \if@bidi@supertabularloaded@
16674 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
16675 \fi%
16676 \if@bidi@xtabloaded@
16677 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
16678 \fi%
16679 \if@bidi@longtableloaded@
16680 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pa
16681 \fi%
16682 \if@bidi@arydshlnloaded@
16683 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pac
16684 \fi%
16685 \if@bidi@multicolloaded@
16686 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pac

```




```

16687 \fi%
16688 \if@bidi@multienumloaded@else
16689   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pa
16690 \fi%
16691 \if@bidi@minitocloaded@else
16692   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pack
16693 \fi%
16694 \if@bidi@natbibloaded@else
16695   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packa
16696 \fi%
16697   \if@bidi@newfloatloaded@else
16698     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pac
16699 \fi%
16700 \csname if@bidi@ragged2eloaded@endcsname\else
16701   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pac
16702 \fi%
16703   \if@bidi@rotatingloaded@else
16704     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pac
16705 \fi%
16706 \if@bidi@tblsloaded@else
16707   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi packag
16708 \fi%
16709 \if@bidi@tabularyloaded@else
16710   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pac
16711 \fi%
16712 \if@bidi@tocbasicloaded@else
16713   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pac
16714 \fi%
16715 \if@bidi@tocstyleloaded@else
16716   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pac
16717 \fi%
16718 \if@bidi@tocbibindloaded@else
16719   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pa
16720 \fi%
16721 \if@bidi@fontspecloaded@else
16722   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pac
16723 \fi%
16724 \if@bidi@arabxetexloaded@else
16725   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pa
16726 \fi%
16727 \if@bidi@polyglossialloaded@else
16728   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
16729 \fi%
16730 \if@bidi@fancyvrbloaded@else
16731   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pac
16732 \fi%
16733 }

```

110 File longtable-xetex-bidi.def

```

16734 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable packa
16735 \def\LT@array[#1]#2{%
16736   \refstepcounter{table}\stepcounter{LT@tables}%
16737   \if l#1%

```



```

16738 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
16739 \else\if r#1%
16740 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
16741 \else\if c#1%
16742 \LTleft\fill \LTright\fill
16743 \fi\fi\fi
16744 \let\LT@mc\multicolumn
16745 \let\LT@@tabarray\@tabarray
16746 \let\LT@@hl\hline
16747 \def\@tabarray{%
16748 \let\hline\LT@@hl
16749 \LT@@tabarray}%
16750 \let\LT@tabularcr\let\tabularnewline\%
16751 \def\newpage{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
16752 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
16753 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
16754 \let\hline\LT@hl \let\kill\LT@kill\let\caption\LT@caption
16755 \@tempdima\ht\strutbox
16756 \let\@endpbox\LT@endpbox
16757 \ifx\extrarowheight\@undefined
16758 \let\@acol\@tabacol
16759 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
16760 \def\@startpbox{\vtop\LT@startpbox}%
16761 \let\@@startpbox\@startpbox
16762 \let\@@endpbox\@endpbox
16763 \let\LT@LL@FM@cr\@tabularcr
16764 \else
16765 \advance\@tempdima\extrarowheight
16766 \col@sep\@tabcolsep
16767 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
16768 \fi
16769 \setbox\@arstrutbox\hbox{\vrule
16770 \@height \arraystretch \@tempdima
16771 \@depth \arraystretch \dp \strutbox
16772 \@width \z@}%
16773 \let\@sharp##\let\protect\relax
16774 \begingroup
16775 \mkpream{#2}%
16776 \xdef\LT@bchunk{%
16777 \global\advance\c@LT@chunks\@ne
16778 \global\LT@rows\z@\setbox\z@\vbox\bgroup
16779 \LT@setprevdepth
16780 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
16781 \tabskip\z@ \@arstrut \@preamble \tabskip\LTright \cr}%
16782 \endgroup
16783 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
16784 \LT@make@row
16785 \m@th\let\par\@empty
16786 \everycr{}\lineskip\z@\baselineskip\z@
16787 \LT@bchunk}
16788 \def\LT@makecaption#1#2#3{%
16789 \LT@mc\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LTcapwidth{
16790 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
16791 \ifdim\wd\@tempboxa>\hsize

```



```

16792      #1{#2: }#3%
16793      \else
16794          \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
16795          \fi
16796          \endgraf\vskip\baselineskip}%
16797      \hss}}}
16798 \@ifpackageloaded{caption}{%
16799     \renewcommand\LT@makecaption[3]{%
16800         \caption@LT@make{%
16801             \caption@LT@settype\LTcaptiontype
16802             \caption@LT@setup
16803             \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
16804             \caption@startrue#1\caption@starfalse
16805             \caption@prepare@stepcounter\LTcaptiontype
16806             \caption@begin\LTcaptiontype
16807             \caption@normalsize
16808             \vskip-\ht\strutbox
16809             \caption@ifdefined\FBifcapttop{%
16810                 \let\caption@belowskip\@empty}{}%
16811             \caption@make@above
16812             \caption@@make{#2}{#3}\endgraf
16813             \caption@make@below
16814             \caption@end}}%
16815 }{}
16816 \def\LT@startpbox#1{%
16817     \bgroup\color@begingroup
16818     \let\@footnotetext\LT@p@ftntext
16819     \let\@LTRfootnotetext\LT@p@LTRftntext
16820     \let\@RTLfootnotetext\LT@p@RTLftntext
16821     \setlength\hsize{#1}%
16822     \@arrayparboxrestore
16823     \vrule \@height \ht\@arstrutbox \@width \z@}
16824 \def\LT@p@LTRftntext#1{%
16825     \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
16826     \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
16827 \def\LT@p@RTLftntext#1{%
16828     \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
16829     \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
16830
16831
16832 \def\LT@output{%
16833     \ifnum\outputpenalty <-\@Mi
16834         \ifnum\outputpenalty > -\LT@end@open
16835             \LT@err{floats and marginpars not allowed in a longtable}\@ehc
16836         \else
16837             \setbox\z@\vbox{\unvbox\@cclv}%
16838             \ifdim \ht\LT@lastfoot>\ht\LT@foot
16839                 \dimen@\pagegoal
16840                 \advance\dimen@-\ht\LT@lastfoot
16841                 \ifdim\dimen@<\ht\z@
16842                     \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
16843                     \@makecol
16844                     \@outputpage
16845                     \setbox\z@\vbox{\box\LT@head}%

```



```

16846         \fi
16847     \fi
16848     \global\@colroom\@colht
16849     \global\vsizel\@colht
16850     \vbox
16851     {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@fo
16852     \fi
16853 \else
16854     \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@fo
16855     \@makecol
16856     \@outputpage
16857     \global\vsizel\@colroom
16858     \copy\LT@head\nobreak
16859 \fi}

```

111 File `lscope-xetex-bidi.def`

```

16860 \ProvidesFile{lscope-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for lscope package for
16861 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
16862 \if@RTL
16863     \rotatebox[origin=br]{-90}{\box\@outputbox}%
16864 \else
16865     \rotatebox{90}{\box\@outputbox}%
16866 \fi
16867 }{}{}
16868 \g@addto@macro{\landscape}{%
16869 \let\bidi@left@footnoterule\left@footnoterule
16870 \let\bidi@right@footnoterule\right@footnoterule
16871 \def\left@footnoterule{%
16872 \if@RTL
16873     \bidi@right@footnoterule
16874 \else
16875     \bidi@left@footnoterule
16876 \fi
16877 }%
16878 \def\right@footnoterule{%
16879 \if@RTL
16880     \bidi@left@footnoterule
16881 \else
16882     \bidi@right@footnoterule
16883 \fi
16884 }%
16885 }

```

112 File `mathtools-xetex-bidi.def`

```

16886 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools packa
16887 \MHInternalSyntaxOn
16888 \def\MT_define_tagform:nwnn #1[#2]#3#4{
16889 \namedef{MT_tagform_#1:n}##1
16890     {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@@italiccorr#4}
16891 }
16892 \renewtagform{default}{\{()\}}
16893 \MHInternalSyntaxOff

```



113 File mdframed-xetex-bidi.def

```

16894 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
16895 \newif\if@bidi@mdf@RTL
16896 \def\mdf@lrbox#1{%
16897   \mdf@patchamsthm\patch amsthm
16898   \if@RTL\@bidi@mdf@RTLtrue\fi%
16899   \@RTLfalse%
16900   \setbox#1\vbox\bgroup%
16901   \color@begingroup%
16902   \if@bidi@mdf@RTL\@RTLtrue\fi%
16903   \mdf@horizontalmargin@equation%
16904   \columnwidth=\hsize%
16905   \textwidth=\hsize%
16906   \let\if@nobreak\iffalse%
16907   \let\if@noskipsec\iffalse%
16908   \let\par\@par%
16909   \let\-\@dischyph%
16910   \let'\@acci\let'\@accii\let\=\@acciii%
16911   \parindent\z@ \parskip\z@skip%
16912   \linewidth\hsize%
16913   \@totalleftmargin\z@%
16914   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
16915   \parfillskip\@flushglue \lineskip\normallineskip%
16916   \baselineskip\normalbaselineskip%
16917 %% \sloppy%
16918 \let\\\@normalcr%
16919 \mdf@par@local%New feature to restore parskip/parindent local in save box
16920 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
16921 \@afterindentfalse%
16922 %\@afterheading%
16923 }
16924 \renewrobustcmd\mdfframedtitleenv[1]{%
16925   \mdf@lrbox{\mdf@frametitlebox}%
16926   \mdf@frametitlealignment%
16927   \leavevmode{\color{\mdf@frametitlefontcolor}%
16928     \normalfont\mdf@frametitlefont{#1}
16929     \ifbool{mdf@ignorerelatdescenders}%
16930     {%
16931       \par\strut\par
16932       \unskip\unskip\setbox0=\lastbox
16933       \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
16934     }{}%
16935     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
16936     \endmdf@lrbox\relax%
16937   \mdf@ignorevbadness%
16938   \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
16939   \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
16940   \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
16941   \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
16942   \mdfframetitleboxtotalheight=\dimexpr
16943     \ht\mdf@frametitlebox
16944     +\dp\mdf@frametitlebox%
16945     +\mdf@frametitleaboveskip@length

```



```

16946                                     +\mdf@frametitlebelowskip@length
16947                                     \relax%
16948 }
16949
16950 \renewrobustcmd*\mdf@footnoteoutput{%
16951     \ifvoid\@mpfootins\else%
16952         \nobreak%
16953         \vskip\mdf@footnotedistance@length%
16954         \normalcolor%
16955         \bidi@mpfootnoterule%
16956         \unvbox\@mpfootins%
16957     \fi%
16958 }
16959
16960
16961 \renewrobustcmd*\mdf@footnoteinput{%
16962     \def\@mpfn{\mpfootnote}%
16963     \def\thempfn{\thempfootnote}%
16964     \c@mpfootnote\z@%
16965     \let\@footnotetext\@mpfootnotetext%
16966     \let\@LTRfootnotetext\@mpLTRfootnotetext%
16967     \let\@RTLfootnotetext\@mpRTLfootnotetext%
16968 }

```

114 File bidi-media9.sty

```

16969 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
16970 {bidi fixes for media9 package for the XeTeX engine}
16971
16972 \keys_define:nn{media9/mbtn}{
16973     draft .code:n = {},
16974     final .code:n = {},
16975
16976     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
16977     tooltip .value_required:n = {true},
16978
16979     overface .code:n = {
16980         \sbox\l_mix_poster_box{
16981             \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
16982             \mix_pdfxform:n{\l_mix_poster_box}
16983             \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
16984         },
16985         overface .value_required:n = {true},
16986
16987         downface .code:n = {
16988             \sbox\l_mix_poster_box{
16989                 \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
16990                 \mix_pdfxform:n{\l_mix_poster_box}
16991                 \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
16992             },
16993             downface .value_required:n = {true},
16994
16995             3Dgotoview .code:n = {
16996                 \tl_set:Nx\l_tmpa_tl{#1}

```



```

16997 \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl
16998 \tl_trim_spaces:N\l_tmpa_tl
16999 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
17000   \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
17001     \tl_set:Nx\l_tmpb_tl{#1} %extract idx
17002     \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpb_tl
17003     \tl_trim_spaces:N\l_tmpb_tl
17004     \tl_if_blank:VF\l_tmpb_tl{
17005       \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
17006         \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl
17007       }{
17008         \regex_match:nVTF{^\d+$}\l_tmpb_tl{
17009           \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl
17010         }{
17011           \regex_replace_once:nnN{^\(s*\)}{\1}\l_tmpb_tl
17012           \regex_replace_once:nnN{(s*)$}{\1}\l_tmpb_tl
17013           \tl_set:Nx\l_mix_vidx_tl{~(\1_tmpb_tl)}
17014         }
17015       }
17016     }
17017     \mix_pdfobj:nnn{}{dict}{
17018       /S/JavaScript/JS~(
17019         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
17020         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
17021           annotRM['\l_tmpa_tl']=
17022             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
17023         }
17024         annotRM['\l_tmpa_tl'].activated=true;
17025       )
17026       \tl_if_blank:VF\l_tmpb_tl{
17027         /Next~<<
17028         /S/GoTo3DView
17029         /TA~\tl_use:c{ann@\l_tmpa_tl}
17030         /V\l_mix_vidx_tl
17031         >>
17032       }
17033     }
17034     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
17035   }
17036 }{
17037   \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
17038   \cs_if_exist:NF\g_mix_refundefwarned_tl{
17039     \tl_new:N\g_mix_refundefwarned_tl
17040     \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
17041   }
17042 }
17043 },
17044 3Dgotoview .value_required:n = {true},
17045
17046 mediacommand .code:n = {
17047   \tl_set:Nx\l_tmpa_tl{#1}
17048   \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl %extract ref
17049   \tl_trim_spaces:N\l_tmpa_tl
17050   \tl_if_exist:cTF{ann@\l_tmpa_tl}{

```



```

17051 \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
17052   \tl_set:Nx\l_tmpb_tl{#1}
17053   \regex_replace_once:nnN{[^\:]+\:?\:}\l_tmpb_tl
17054   \tl_trim_spaces:N\l_tmpb_tl
17055   \regex_replace_all:nnN{^\{\|\}\$}\l_tmpb_tl
17056   \tl_set:Nx\l_mix_cmd_tl{
17057     \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
17058   \tl_trim_spaces:N\l_mix_cmd_tl
17059   \tl_set:Nx\l_mix_arg_tl{
17060     \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
17061   \tl_trim_spaces:N\l_mix_arg_tl
17062   \mix_pdfobj:nnn{{dict}}{
17063     /S/JavaScript/JS~(
17064       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
17065       if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
17066         annotRM['\l_tmpa_tl']=
17067           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
17068       }
17069       annotRM['\l_tmpa_tl'].activated=true;
17070     )
17071   \tl_if_blank:VF\l_mix_cmd_tl{
17072     /Next~<<
17073     /S/RichMediaExecute
17074     /TA~\tl_use:c{ann@\l_tmpa_tl}
17075     /TI~\tl_use:c{main@\l_tmpa_tl}
17076     /CMD~<<
17077     /C~(\l_mix_cmd_tl)
17078     \tl_if_blank:VF\l_mix_arg_tl{
17079       /A~[\l_mix_arg_tl]
17080     }
17081     >>
17082     >>
17083   }
17084 }
17085 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
17086 }
17087 }{
17088   \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
17089   \cs_if_exist:NF\g_mix_refundefwarned_tl{
17090     \tl_new:N\g_mix_refundefwarned_tl
17091     \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
17092   }
17093 }
17094 },
17095 mediacommand .value_required:n = {true},
17096
17097 jsaction .code:n = {
17098   \tl_set:Nx\l_tmpa_tl{#1}
17099   \regex_match:nVTF{^[^\:]+\:.*$\l_tmpa_tl}
17100   \regex_replace_once:nnN{([^\:]+\:)?\:}\l_tmpa_tl %extract ref
17101   \tl_trim_spaces:N\l_tmpa_tl
17102 }{\tl_clear:N\l_tmpa_tl}
17103 \tl_set:Nx\l_tmpb_tl{#1}
17104 \tl_if_blank:VF\l_tmpa_tl{

```




```

17105     \tl_if_exist:cF{ann@\l_tmpa_tl}{
17106         \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
17107         \cs_if_exist:NF\g_mix_refundefwarned_tl{
17108             \tl_new:N\g_mix_refundefwarned_tl
17109             \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
17110         }
17111     }
17112     \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl}
17113 }
17114 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
17115 \tl_trim_spaces:N\l_tmpb_tl
17116 \tl_if_blank:VF\l_tmpb_tl{
17117     \mix_pdfobj:nnn{}{dict}{
17118         /S/JavaScript/JS~(
17119             try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}}
17120 \bool_lazy_and:nnT{
17121     \tl_if_exist_p:c{ann@\l_tmpa_tl}
17122 }{
17123     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
17124 }{
17125     \mix_pdfobj:nnn{}{dict}{
17126         /S/JavaScript/JS~(
17127             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
17128             if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
17129                 annotRM['\l_tmpa_tl']=
17130                 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
17131             }
17132             annotRM['\l_tmpa_tl'].activated=true;
17133         )
17134         \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
17135     }
17136 }
17137 \bool_if:nT{
17138     \bool_lazy_and_p:nn{
17139         \tl_if_exist_p:c{ann@\l_tmpa_tl}
17140     }{
17141         !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
17142     }
17143     || !\tl_if_blank_p:V\l_tmpb_tl
17144 }{
17145     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
17146 }
17147 },
17148 jsaction .value_required:n = {true},
17149
17150 unknown .code:n = {
17151     \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
17152 }
17153 }
17154
17155 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
17156     \mix_uriend:
17157     \group_begin:
17158     \mix_beginLTR:

```



```

17159 \mode_leave_vertical:
17160 %empty stream as appearance dummy
17161 \cs_if_exist:NF\g_mix_appearance_tl{
17162   \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
17163   \mix_pdfxform:n{\l_mix_poster_box}
17164   \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
17165 }
17166 \mix_reset:
17167 \mix_uribegin: %treat URI characters correctly
17168 \keys_set:nn{media9/user}{#1}
17169 \mix_uriend:
17170 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
17171 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
17172 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
17173 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
17174 \tl_trim_spaces:N\g_mix_flashvars_tl
17175
17176 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
17177
17178 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
17179 %\hbox_set:Nn\l_mix_poster_box{#2}
17180 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
17181 \mix_scale:n{\l_mix_poster_box}
17182 \bool_if:nTF{
17183   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
17184   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
17185 }{
17186   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
17187 }
17188 \bool_if:NTF\g_mix_usrdraft_bool{
17189   \tl_if_empty:NF\g_mix_usrlabel_tl{
17190     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
17191   }
17192   \tl_if_blank:oTF{#2}{
17193     \mix_uribegin: %treat URI characters correctly
17194     \mix_draftbox:n{\tl_to_str:n{#3}}
17195     \mix_uriend:
17196   }{
17197     \hbox_to_wd:nn{\g_mix_wd_tl}{
17198       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
17199       \box_use:N\l_mix_poster_box\hss
17200     }
17201   }
17202 }{
17203   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
17204     %attach script that switches off play button overlay upon activation
17205     \mix_pdfobj:nnn{}{stream}{
17206       }{
17207         var~ocgs=host.getOCGs(host.pageNum);
17208         for(var~i=0;i<ocgs.length;i++){
17209           if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
17210             ocgs[i].state=false;
17211           }
17212         }
17213       }
17214     }
17215   }

```



```

17213     }
17214   }
17215   \mix_pdfobj:nnn{}{dict}{
17216     /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
17217   }
17218   \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
17219   \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
17220   %enforce plain playbutton overlay for XeTeX
17221   \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
17222 }
17223 %embed main asset
17224 \mix_uribegin:
17225 \mix_embedasset:n{#3}
17226 \bool_if:nTF{
17227   \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
17228 }{
17229   \bool_gset_true:N\g_mix_iiid_bool
17230   \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
17231 }{
17232   \str_case_e:nnF{\l_mix_base_tl}{
17233     {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
17234     {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
17235     {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
17236     {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
17237     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
17238   }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
17239 }
17240 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
17241 \mix_uriend:
17242 %secondary assets (added by addresource)
17243 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
17244 \seq_map_inline:Nn\g_mix_script_seq{
17245   \mix_embedasset:n{##1}
17246   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
17247 }
17248 %attach 3D calculation script
17249 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
17250   \mix_embedasset:n{3Dmenu.js}
17251   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
17252 }
17253 %create 3D views from file (option 3Dviews)
17254 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
17255   \tl_set:Nn\l_mix_level_tl{-1}
17256   \int_zero:N\l_mix_viewcnt_int
17257   \int_zero:N\l_mix_lineno_int
17258
17259   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
17260   \ior_map_inline:Nn\l_mix_vfile_stream{
17261     \int_incr:N\l_mix_lineno_int
17262     \keys_set:nn{media9/views}{##1} %process input line
17263   }
17264   \ior_close:N\l_mix_vfile_stream
17265 }
17266 \bool_if:nT{ %create default 3D view if required

```



```

17267     \g_mix_iiid_bool &&
17268     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
17269   }{
17270     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
17271     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
17272     \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
17273     \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
17274     \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
17275     \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
17276     \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
17277
17278     \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
17279     \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
17280     \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
17281     \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
17282
17283     \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
17284     \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
17285     \tl_clear:N\l_mix_naarray_tl
17286
17287     \bool_if:NF\l_mix_ciiw_bool{
17288       \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
17289       \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
17290     }
17291
17292     \tl_clear:N\l_mix_naarray_tl
17293     \tl_clear:N\l_mix_saarray_tl
17294     \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
17295
17296     \mix_view:n{Default}
17297     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
17298
17299   }
17300   \mix_pdfobj:nnn{}{dict}{
17301     /Type/RichMediaInstance
17302     /Subtype/\g_mix_mainassetsub_tl
17303     /Asset~\g_mix_mainasset_tl
17304     \bool_if:NF\g_mix_iiid_bool{
17305       /Params~<<
17306       /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
17307         /Foreground
17308       }{
17309         /Background
17310       }
17311       \tl_if_blank:VF\g_mix_flashvars_tl{
17312         /FlashVars~(\g_mix_flashvars_tl)
17313       }
17314       >>
17315     }
17316   }
17317   \tl_if_empty:NF\g_mix_usrlabel_tl{
17318     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
17319   }
17320   \mix_pdfobj:nnn{}{dict}{

```



```

17321 /Type/RichMediaConfiguration
17322 /Subtype/\g_mix_mainassetssub_tl
17323 /Instances~[\mix_pdflastobj:]
17324 }
17325 \mix_pdfobj:nnn{}{dict}{
17326 /Type/RichMediaContent
17327 /Assets~<</Names~[\g_mix_assets_tl]>>
17328 /Configurations~[\mix_pdflastobj:]
17329 \bool_if:nT{
17330 \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
17331 }{
17332 /Views~[\l_mix_iiidviewarray_tl]
17333 }
17334 }
17335 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
17336 \bool_if:nT{
17337 \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
17338 }{
17339 \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
17340 }
17341 %determine floating window size
17342 \bool_if:NT\g_mix_opt_windowed_bool{
17343 \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
17344 }
17345 \mix_pdfobj:nnn{}{dict}{
17346 /Activation~<<
17347 /Condition\g_mix_act_tl
17348 \bool_if:nT{
17349 \g_mix_iiid_bool &&
17350 !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
17351 }{%seems to work only with 3D content
17352 /Animation~<<
17353 /Subtype/\g_mix_playtpe_tl
17354 /PlayCount~\g_mix_playcnt_tl
17355 /Speed~\g_mix_playspd_tl
17356 >>
17357 }
17358 \bool_if:nT{
17359 \g_mix_iiid_bool && (
17360 \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
17361 )
17362 }{/View~\l_mix_dfltview_tl}
17363 /Presentation~<<
17364 /Transparent~\g_mix_transp_tl
17365 \bool_if:NTF\g_mix_opt_windowed_bool{
17366 /Style/Windowed
17367 /Window~<<
17368 /Width~<</Default~\tl_mix_fltdwd>>
17369 /Height~<</Default~\tl_mix_fltht>>
17370 /Position~<<
17371 /HOffset~0/VOffset~0
17372 \str_case_e:nnF{\g_mix_winpos_tl}{
17373 {tl}{/VAlign/Near/HAlign/Near}
17374 {cl}{/VAlign/Center/HAlign/Near}

```



```

17375         {bl}{/VAlign/Far/HAlign/Near}
17376         {bc}{/VAlign/Far/HAlign/Center}
17377         {br}{/VAlign/Far/HAlign/Far}
17378         {cr}{/VAlign/Center/HAlign/Far}
17379         {tr}{/VAlign/Near/HAlign/Far}
17380         {tc}{/VAlign/Near/HAlign/Center}
17381     }{/HAlign/Center/VAlign/Center}
17382     >>
17383     >>
17384     }{
17385         /Style/Embedded
17386     }
17387     \bool_if:NTF\g_mix_iiid_bool{
17388         /Toolbar~\g_mix_tools_tl
17389         /NavigationPane~\g_mix_nav_tl
17390     }{
17391         /PassContextClick~\g_mix_contextclick_tl
17392     }
17393     >>
17394     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
17395     >>
17396     /Deactivation~<</Condition\g_mix_deact_tl>>
17397 }
17398 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
17399 \tl_if_empty:NF\g_mix_usrlabel_tl{
17400     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
17401 }
17402 % #1:width, #2:height, #3:depth, #4:content (key-value)
17403 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
17404     /Subtype/RichMedia
17405     /F~4
17406     /BS~<</W~0/S/S>>
17407     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
17408     /NM~(\g_mix_label_tl)
17409     /AP~<</N~\g_mix_appearance_tl>>
17410     /RichMediaSettings~\l_mix_settings_tl
17411     /RichMediaContent~\l_mix_content_tl
17412 }
17413 \tl_if_empty:NF\g_mix_usrlabel_tl{
17414     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
17415     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
17416         \noexpand\the\g@mix@page@int}
17417 }
17418 \mix_pdfobj:nnn{}{dict}{
17419     /S/JavaScript/JS~(
17420     try{
17421         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
17422         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
17423             annotRM['\g_mix_label_tl']=
17424                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
17425         }
17426         \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
17427             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
17428                 var~ocgs=this.getOCGs(this.pageNum);

```



```

17429         for(var~i=0;i<ocgs.length;i++){
17430             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
17431                 var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
17432             }
17433         }
17434     }
17435     if(
17436         !annotRM['\g_mix_label_tl'].activated&&(
17437             app.viewerType=='Reader' ||
17438             app.viewerType=='Exchange' ||
17439             app.viewerType=='Exchange-Pro'
17440         )&&app.viewerVersion>=9
17441     ){
17442         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
17443     }
17444 }
17445 }catch(e){}
17446 this.dirty=false;
17447 )
17448 }
17449 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
17450     /Subtype/Widget
17451     /FT/Btn/Ff~65537/F~2
17452     /BS~<</W~0>>
17453     /T~(fd@\g_mix_label_tl)
17454     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
17455 }
17456 \mix_appendtofields:n{\mix_pdflastann:}
17457 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
17458 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
17459     \hbox_to_wd:nn{\g_mix_wd_tl}{
17460         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
17461     }
17462 }{%insert play button overlay
17463     \mix_insert_btnocg: %create OCG
17464     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
17465     \group_begin:
17466     \cs_if_exist:NT\textdir{\textdir TLT}
17467     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
17468     \box_move_down:nn{\g_mix_dp_tl}{
17469         \hbox_to_wd:nn{\g_mix_wd_tl}{
17470             \vbox_to_ht:nn{\g_mix_tt_tl}{
17471                 \vss
17472                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
17473                 \box_use:N\l_mix_pbtn_box
17474                 \ocgbase_oc_emc:
17475             }
17476         }
17477     }
17478     \group_end:
17479 }
17480 \int_gincr:N\g_mix_rmcnt_int
17481 }
17482 \mix_endLTR:

```



```

17483 \group_end:
17484 }
17485 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
17486 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
17487
17488 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
17489 \mix_uridend:
17490 \group_begin:
17491 \mix_beginLTR:
17492 \mode_leave_vertical:
17493 %reset various variables
17494 \tl_gclear:N\g_mix_overbtn_tl
17495 \tl_gclear:N\g_mix_downbtn_tl
17496 \tl_gclear:N\g_mix_btnactions_tl
17497 \tl_gclear:N\g_mix_tooltip_tl
17498 %process options
17499 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
17500 \mix_uribegin: %treat URI characters correctly
17501 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
17502 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
17503 \mix_uridend:
17504 %normal button appearance
17505 %\hbox_set:Nn\l_mix_poster_box{#2}
17506 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
17507 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
17508 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
17509 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
17510 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
17511 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
17512 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
17513 \mix_pdfxform:n{\l_mix_poster_box}
17514 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
17515 %insert widget annotation
17516 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
17517 /Subtype/Widget
17518 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
17519 \tl_if_empty:NF\g_mix_tooltip_tl{TU~(\g_mix_tooltip_tl)}
17520 /FT/Btn/Ff~65536
17521 \tl_if_empty:NTF\g_mix_downbtn_tl{H/I}{H/P}
17522 /AP~<<
17523 /N~\g_mix_normalbtn_tl
17524 \tl_if_empty:NF\g_mix_overbtn_tl{R~\g_mix_overbtn_tl}
17525 \tl_if_empty:NF\g_mix_downbtn_tl{D~\g_mix_downbtn_tl}
17526 >>
17527 /MK~<<
17528 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
17529 /I~\g_mix_normalbtn_tl
17530 \tl_if_empty:NF\g_mix_overbtn_tl{RI~\g_mix_overbtn_tl}
17531 \tl_if_empty:NF\g_mix_downbtn_tl{IX~\g_mix_downbtn_tl}
17532 >>
17533 /A~<<
17534 /S/JavaScript/JS~(app.focusRect=false;)
17535 %sequence of actions to perform
17536 \tl_if_empty:NF\g_mix_btnactions_tl{Next~[\g_mix_btnactions_tl]}

```




```

17537     >>
17538   }
17539   \mix_appendtofields:n{\mix_pdflastann:}
17540   \hbox_to_wd:nn{\width}{
17541     \vrule-width~\c_zero_dim~height~\height~depth~\depth\hss
17542   }
17543   \int_gincr:N\g_mix_mbtncnt_int
17544 }
17545 \mix_endLTR:
17546 \group_end:
17547 }
17548 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
17549 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
17550

```

115 File memoir-xetex-bidi.def

```

17551 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for X
17552 \renewcommand{\keepthetitle}{%
17553   \@bsmtitleempty
17554   \global\let\thanks\relax
17555   \global\let\LTRthanks\relax
17556   \global\let\RTLthanks\relax
17557   \global\let\and\relax
17558   \global\let\andnext\relax
17559   \global\let\@thanks\@empty
17560   \global\let\@title\@empty
17561   \global\let\@author\@empty
17562   \global\let\@date\@empty}
17563 \renewcommand{\maketitle}{\par
17564   \begingroup
17565     \@bsmarkseries
17566     \def\@makefnmark{\@textsuperscript{%
17567       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
17568     \long\def\@makefntext##1{\makethanksmark ##1}
17569     \if@twocolumn
17570       \ifnum \col@number=\@one
17571         \@maketitle
17572       \else
17573         \twocolumn[\@maketitle]%
17574       \fi
17575     \else
17576       \ifdim\pagetotal>\z@
17577         \newpage
17578       \fi
17579       \global\@topnum\z@
17580       \@maketitle
17581     \fi
17582     \thispagestyle{title}\@thanks
17583   \endgroup
17584   \@bscontmark % \setcounter{footnote}{0}%
17585 }
17586 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
17587 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}

```



```

17588 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
17589 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
17590 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
17591 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
17592 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
17593 \renewcommand*{\thesubsection}{%
17594     \thesection\@SepMark\@arabic\c@subsection}
17595 \renewcommand*{\thesubsubsection}{%
17596     \thesubsection\@SepMark\@arabic\c@subsubsection}
17597 \renewcommand*{\theparagraph}{%
17598     \thesubsubsection\@SepMark\@arabic\c@paragraph}
17599 \renewcommand*{\thesubparagraph}{%
17600     \theparagraph\@SepMark\@arabic\c@subparagraph}
17601 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
17602 \renewcommand{\theequation}{%
17603     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
17604 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
17605 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
17606 \ifartopt
17607     \chapterstyle{article}
17608     \counterwithout{figure}{chapter}
17609     \counterwithout{table}{chapter}
17610     \counterwithout{footnote}{chapter}
17611     \counterwithout{equation}{chapter}
17612     \renewcommand{\chaptername}{\}
17613     \renewcommand{\maketitlehookb}{%
17614         \vskip -1.5\topsep\vskip -1.5\partopsep}
17615     \renewcommand{\maketitlehookc}{%
17616         \vskip -1.5\topsep\vskip -1.5\partopsep}
17617 \fi
17618 \long\def\@makecaption#1#2{\let\@memtempa\relax
17619     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
17620     \else \def\@memtempa{\vbox to\topskip{}}\fi
17621     \let\@contfnote\footnote \renewcommand{\footnote}[2]{}{}
17622     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1]{}{}
17623     \sbox\@tempboxa{\@contfnote #1\@contdelim \@conttfont #2\@contfinal}
17624     \let\footnote\@contfnote
17625     \let\footnotemark\@contfmark
17626     \ifdim\wd\@tempboxa<\linewidth \centering \fi
17627     \if@contcw
17628         \centering
17629         \parbox{\@contcwidth}{%
17630             \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
17631         }
17632     \ifdim\wd\@tempboxa<\linewidth
17633         \@contpre
17634         {\@contfnote #1\@contdelim}\@memtempa
17635         {\@contcshortstyle \@conttfont #2\@contfinal\par}
17636     \else
17637         \if@conthang
17638             \sbox\@tempboxa{\@contfnote #1\@contdelim}
17639             \@contpre%
17640             {\@contcstyle\hangindent=\wd\@tempboxa
17641                 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}

```



```

17642 \else
17643 \if@contindent
17644 \@contpre%
17645 {\@contnfont #1\@contdelim}\@memtempa
17646 {\@contcstyle\hangindent=\@contindw
17647 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
17648 \else
17649 \@contpre%
17650 {\@contnfont #1\@contdelim}\@memtempa
17651 {\@contcstyle \@conttfont #2\@contfinal\par}
17652 \fi
17653 \fi
17654 \fi
17655 \@contpost
17656 \if@contcw
17657 \par
17658 } % end of the \parbox
17659 \fi
17660 \vskip\belowcaptionskip}
17661 \@ifpackageloaded{caption}{%
17662 \AtBeginPackage{caption}{
17663 \ClassWarningNoLine{memoir}{%
17664 You are using the caption package with the memoir \MessageBreak
17665 class. This may cause unexpected or inconsistent \MessageBreak
17666 results if you use any of memoir's captioning facilities}
17667
17668 \long\def\@makecaption##1##2{%
17669 \vskip\abovecaptionskip
17670 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
17671 \ifdim \wd\@tempboxa >\hsize
17672 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
17673 \else
17674 \global \@minipagefalse
17675 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
17676 \fi
17677 \vskip\belowcaptionskip}
17678
17679 \def\caption{%
17680 \ifx\@capytype\@undefined
17681 \@latex@error{\noexpand\caption outside float}\@ehd
17682 \expandafter\@gobble
17683 \else
17684 \refstepcounter\@capytype
17685 \expandafter\@firstofone
17686 \fi
17687 {\@dblarg{\@caption\@capytype}}%
17688 }
17689
17690 \long\def\@caption##1[##2]##3{%
17691 \par
17692 \addcontentsline{\csname ext@##1\endcsname}{##1}%
17693 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
17694 \begingroup
17695 \@parboxrestore

```



```

17696 \if@minipage
17697 \setminipage
17698 \fi
17699 \normalsize
17700 \makecaption{\csname fnum###1\endcsname}{\ignorespaces ##3}\par
17701 \endgroup}
17702 }}{}
17703 \renewenvironment{thebibliography}[1]{%
17704 \bibsection
17705 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17706 \bidi@thebibliography@font@hook%
17707 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

116 File midfloat-xetex-bidi.def

```

17708 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
17709 \def\RTL\outputdblcol{%
17710 \if@firstcolumn
17711 \global \@firstcolumnfalse
17712 \global\setbox\@leftcolumn\copy\@outputbox
17713 \splitmaxdepth\maxdimen
17714 \vbadness\maxdimen
17715 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
17716 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
17717 \toks@{\expandafter{\topmark}}%
17718 \xdef\@firstcoltopmark{\the\toks@}%
17719 \toks@{\expandafter{\splitfirstmark}}%
17720 \xdef\@firstcolfirstmark{\the\toks@}%
17721 \ifx\@firstcolfirstmark\@empty
17722 \global\let\@setmarks\relax
17723 \else
17724 \gdef\@setmarks{%
17725 \let\firstmark\@firstcolfirstmark
17726 \let\topmark\@firstcoltopmark}%
17727 \fi
17728 \global\c@colht\@colht\global\c@advvipersep\z@
17729 \ifnum\jua@sk>0
17730 \remove@strip\jua@sar
17731 \global\@colht\the\jua@pr
17732 \ifdim\right@cor>\z@
17733 \global\advance\@colht by\right@cor
17734 \fi
17735 \global\advance\@colht by\cor@height
17736 \global\cor@height=0pt
17737 \fi
17738 \global \setbox\@rightcolumn \vbox{%
17739 \else
17740 \ifdim\c@colht>\@colht
17741 \tempdima\@colht
17742 \ifdim\@colht>\z@
17743 \global\setbox\@rightcolumn \vbox{%
17744 \unvbox\@rightcolumn
17745 \vbox to\tempdima{%
17746 \vskip\c@advvipersep\unvbox\@outputbox}%

```



```

17747             \vskip\stripsep
17748             \vrule height\the\jua@ht width Opt depth Opt
17749             \vskip\stripsep
17750             }%
17751         \global\c@addvipersep\m@addvipersep
17752     \else
17753     \global\setbox\@rightcolumn \vbox{%
17754         \unvbox\@rightcolumn
17755         \vrule height\the\jua@ht width Opt depth Opt
17756         \vskip\stripsep
17757     }%
17758 \fi
17759 \ifnum\jua@sk>0
17760     \remove@strip\jua@sar
17761     \global\@colht\the\jua@pr
17762     \global\advance\@colht by -\ht\@rightcolumn
17763     \global\advance\@colht by \cor@height
17764     \global\cor@height=0pt
17765 \else
17766     \global\advance\c@colht by-\ht\@rightcolumn
17767     \global\@colht\c@colht
17768 \fi
17769 \else
17770 \global\@firstcolumntrue
17771 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
17772     \unvbox\@rightcolumn
17773     \vskip\c@addvipersep
17774     \unvbox\@outputbox
17775     }%
17776 \setbox\@outputbox \vbox {%
17777     \hb@xt@\textwidth {%
17778         \hskip \columnwidth
17779         \hfil
17780         \vrule \@width\columnseprule
17781         \hfil
17782         \hb@xt@\columnwidth {%
17783             \bidi@firstcolumn@status@write%
17784             \box\@leftcolumn \hss}%
17785         \hskip-\textwidth
17786         \hb@xt@\columnwidth {%
17787             \bidi@lastcolumn@status@write%
17788             \box\@outputbox \hss}%
17789         \hskip\columnwidth
17790         \hskip\columnsep}%
17791     }%
17792 \@combinedblfloats
17793 \@setmarks
17794 \@outputpage
17795 \begingroup
17796 \@dblfloatplacement
17797 \@startdblcolumn
17798 \@whilesw\if@fcolmade \fi
17799     {\@outputpage
17800     \@startdblcolumn}%

```



```

17801 \endgroup
17802 \global\jua@sk=0\global\jua@sar={}
17803 \global\cor@height\z@\global\c@advipersep\z@
17804 \fi
17805 \fi
17806 }
17807
17808
17809 \def\LTR@outputdblcol{%
17810 \if@firstcolumn
17811 \global \@firstcolumnfalse
17812 \global\setbox\@leftcolumn\copy\@outputbox
17813 \splitmaxdepth\maxdimen
17814 \vbadness\maxdimen
17815 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
17816 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
17817 \toks@\expandafter{\topmark}%
17818 \xdef\@firstcoltopmark{\the\toks@}%
17819 \toks@\expandafter{\splitfirstmark}%
17820 \xdef\@firstcolfirstmark{\the\toks@}%
17821 \ifx\@firstcolfirstmark\@empty
17822 \global\let\@setmarks\relax
17823 \else
17824 \gdef\@setmarks{%
17825 \let\firstmark\@firstcolfirstmark
17826 \let\topmark\@firstcoltopmark}%
17827 \fi
17828 \global\c@colht\@colht\global\c@advipersep\z@
17829 \ifnum\jua@sk>0
17830 \remove@strip\jua@sar
17831 \global\@colht\the\jua@pr
17832 \ifdim\right@cor>\z@
17833 \global\advance\@colht by\right@cor
17834 \fi
17835 \global\advance\@colht by\cor@height
17836 \global\cor@height=0pt
17837 \fi
17838 \global \setbox\@rightcolumn \vbox{%
17839 \else
17840 \ifdim\c@colht>\@colht
17841 \@tempdima\@colht
17842 \ifdim\@colht>\z@
17843 \global\setbox\@rightcolumn \vbox{%
17844 \unvbox\@rightcolumn
17845 \vbox to\@tempdima{%
17846 \vskip\c@advipersep\unvbox\@outputbox}%
17847 \vskip\stripsep
17848 \vrule height\the\jua@ht width 0pt depth 0pt
17849 \vskip\stripsep
17850 }%
17851 \global\c@advipersep\m@advipersep
17852 \else
17853 \global\setbox\@rightcolumn \vbox{%
17854 \unvbox\@rightcolumn

```



```

17855         \vrule height\the\jua@ht width Opt depth Opt
17856         \vskip\stripsep
17857     }%
17858 \fi
17859 \ifnum\jua@sk>0
17860     \remove@strip\jua@sar
17861     \global\@colht\the\jua@pr
17862     \global\advance\@colht by -\ht\@rightcolumn
17863     \global\advance\@colht by\cor@height
17864     \global\cor@height=0pt
17865 \else
17866     \global\advance\c@colht by-\ht\@rightcolumn
17867     \global\@colht\c@colht
17868 \fi
17869 \else
17870     \global\@firstcolumntrue
17871     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
17872         \unvbox\@rightcolumn
17873         \vskip\c@addvipersep
17874         \unvbox\@outputbox
17875     }%
17876     \setbox\@outputbox \vbox {%
17877         \hb@xt@\textwidth {%
17878             \hb@xt@\columnwidth {%
17879                 \bidi@firstcolumn@status@write%
17880                 \box\@leftcolumn \hss}%
17881             \hfil
17882             \vrule \@width\columnseprule
17883             \hfil
17884             \hb@xt@\columnwidth {%
17885                 \bidi@lastcolumn@status@write%
17886                 \box\@outputbox \hss}%
17887             }%
17888         }%
17889     \@combinedblfloats
17890     \@setmarks
17891     \@outputpage
17892     \begin@group
17893     \@dblfloatplacement
17894     \@startdblcolumn
17895     \@whilesw\if@fcolmade \fi
17896     {\@outputpage
17897     \@startdblcolumn}%
17898 \endgroup
17899 \global\jua@sk=0\global\jua@sar={}%
17900 \global\cor@height\z@\global\c@addvipersep\z@
17901 \fi
17902 \fi
17903 }
17904
17905
17906 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
17907 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
17908 \hsize\textwidth

```



```

17909      \@parboxrestore
17910      \col@number \@ne
17911      \vrule height\topskip width0pt depth0pt
17912 }
17913
17914 \def\endstrip{%
17915     \egroup\egroup
17916     \if@firstcolumn
17917         \ifdim\pagetotal>\z@
17918             \vskip\stripsep
17919             \global\ht@strip\pagegoal
17920             \global\advance\ht@strip by-\pagetotal
17921             \global\advance\ht@strip by-\stripsep
17922             \global\advance\ht@strip by-\ht@viper
17923             \global\advance\ht@strip by-\stripsep
17924             \global\jua@ht=\ht@viper
17925         \else
17926             \global\ht@strip\z@
17927         \fi
17928         \ifdim\ht@strip>\z@
17929             \unvbox\@viper
17930             \vskip\stripsep
17931             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
17932             \global\advance\jua@sk by1
17933         \else
17934             \@latex@error{Strip needs more place!}\@ehc
17935             \if@vihproof
17936                 \framebox[\columnwidth]{??? Strip ???}%
17937             \fi
17938         \fi
17939     \else
17940         \@latex@error{Strip is used only on left column!}\@ehc
17941         \if@vihproof
17942             \framebox[\columnwidth]{??? Strip ???}%
17943         \fi
17944     \fi
17945 }

```

117 File minitoc-xetex-bidi.def

```

17946 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
17947 \def\@undottedtocline#1#2#3#4#5{%
17948     \ifnum #1>\c@tocdepth\relax \else
17949         \vskip \z@ plus.2\p@
17950         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17951         \parindent #2\relax\@afterindenttrue
17952         \interlinepenalty\@M
17953         \leavevmode
17954         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
17955         \hskip -\if@RTL\rightskip\else\leftskip\fi
17956         #4\nobreak\hfill \nobreak
17957         \null\par}%
17958     \fi}
17959 \def\@Undottedtocline#1#2#3#4#5{%

```




```

17960 \ifnum #1>\c@tocdepth\relax \else
17961 \vskip \z@ \@plus.2\p@
17962 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
17963 \parindent #2\relax\@afterindenttrue
17964 \interlinepenalty\@M
17965 \leavevmode
17966 \@tempdima #3\relax
17967 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
17968 {\coffefont #4}\nobreak \nobreak\null
17969 \par}%
17970 \fi}
17971 \def\@Undottedtoclinep#1#2#3#4#5{%
17972 \ifnum #1>\c@tocdepth\relax \else
17973 \vskip \z@ \@plus.2\p@
17974 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
17975 \parindent #2\relax\@afterindenttrue
17976 \interlinepenalty\@M
17977 \leavevmode
17978 \@tempdima #3\relax
17979 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
17980 {#4}\nobreak \hfill \nobreak\null
17981 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
17982 \par}%
17983 \fi}

```

118 File multicol-xetex-bidi.def

```

17984 \ProvidesFile{multicol-xetex-bidi.def}[2022/02/01 v1.3 bidi adaptations for multicol package]
17985 \def\page@sofar{%
17986 \process@cols\mult@rightbox
17987 {\ifvoid\count@
17988 \setbox\count@\hbox to\hsize}%
17989 \else
17990 \wd\count@\hsize
17991 \fi}%
17992 \count@\col@number \advance\count@\m@ne
17993 \mult@info\z@
17994 {Column spec: \the\full@width\space = indent
17995 + columns + sep =\MessageBreak
17996 \the\multicol@leftmargin\space
17997 + \the\col@number\space
17998 x \the\hsize\space
17999 + \the\count@\space
18000 x \the\columnsep
18001 }%
18002 \ifvmode\else\errmessage{Multicol Error}\fi
18003 \nointerlineskip
18004 \setbox\z@\hbox{\p}\global\dimen\tw@\dp\z@
18005 \moveright\multicol@leftmargin
18006 \hbox to\full@width{%
18007 \bidi@multicol@align@columns
18008 \rlap{\phantom p}%
18009 }%
18010 \prevdepth\z@

```



```

18011 \kern-\dimen\tw@
18012 \ifdim\dimen\tw@ > \mc@gridwarn
18013   \PackageWarning{multicol}%
18014     {Very deep columns!\MessageBreak
18015       Grid alignment might be broken}%
18016 \fi
18017 }
18018 \def\LTR@column@boxes{%
18019   \process@cols\mult@firstbox{%
18020     \ifdim\dp\count@>\dimen\tw@
18021       \global\dimen\tw@\dp\count@ \fi
18022     \mc@col@status@write
18023     \box\count@
18024     \hss{\columnseprulecolor\vrule
18025       \@width\columnseprule}\hss}%
18026   \ifdim\dp\mult@rightbox>\dimen\tw@
18027     \global\dimen\tw@\dp\mult@rightbox \fi
18028   \mc@lastcol@status@write
18029   \box\mult@rightbox
18030 }
18031
18032 \def\RTL@column@boxes{%
18033   \process@cols\mult@firstbox{%
18034     \hskip\hsize
18035     \hss{\columnseprulecolor\vrule
18036       \@width\columnseprule}\hss
18037   }%
18038   \hskip\hsize
18039   \process@cols\mult@firstbox{%
18040     \ifdim\dp\count@>\dimen\tw@
18041       \global\dimen\tw@\dp\count@ \fi
18042     \hskip-\hsize
18043     \mc@col@status@write
18044     \box\count@
18045     \hskip-\hsize
18046     \hskip-\columnsep
18047   }%
18048   \ifdim\dp\mult@rightbox>\dimen\tw@
18049     \global\dimen\tw@\dp\mult@rightbox \fi
18050   \hskip-\hsize
18051   \mc@lastcol@status@write
18052   \box\mult@rightbox
18053   \hskip-\hsize
18054   \hskip\full@width
18055 }
18056
18057 \newcommand\RTLmulticolcolumns
18058   {\let\bidimulticol@align@columns
18059     \RTL@column@boxes}
18060 \newcommand\LTRmulticolcolumns
18061   {\let\bidimulticol@align@columns
18062     \LTR@column@boxes}
18063 \newcommand\bidimulticol@align@columns
18064   {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}

```



```

18065 \bidi@AtEndPreamble{%
18066   \if@bidi@csdef{footinsv@1}{%
18067     \def\footnoterule{\kern-3\p@
18068       \hrule \@width \textwidth \kern 2.6\p@}%
18069   }{}%
18070 }
18071 \def\multicols#1{\col@number#1\relax
18072   \ifnum\col@number<\tw@
18073     \PackageWarning{multicol}%
18074       {Using '\number\col@number'
18075         columns doesn't seem a good idea.^^J
18076         I therefore use two columns instead}%
18077     \col@number\tw@ \fi
18078   \ifnum\col@number>20
18079     \PackageError{multicol}%
18080       {Too many columns}%
18081     {Current implementation doesn't
18082       support more than 20 columns.%
18083     \MessageBreak
18084     I therefore use 20 columns instead}%
18085   \col@number20 \fi
18086   \ifx\@footnotetext\mult@footnotetext
18087   \else
18088     \let\orig@footnotetext\@footnotetext
18089     \let\@footnotetext\mult@footnotetext
18090   \fi
18091   \ifx\@LTRfootnotetext\mult@LTRfootnotetext
18092   \else
18093     \let\orig@LTRfootnotetext\@LTRfootnotetext
18094     \let\@LTRfootnotetext\mult@LTRfootnotetext
18095   \fi
18096   \ifx\@RTLfootnotetext\mult@RTLfootnotetext
18097   \else
18098     \let\orig@RTLfootnotetext\@RTLfootnotetext
18099     \let\@RTLfootnotetext\mult@RTLfootnotetext
18100   \fi
18101   \@ifnextchar[\mult@cols{\mult@cols[]}]
18102 \long\def\mult@footnotetext#1{\begingroup
18103   \hsize\textwidth
18104   \columnwidth\textwidth
18105   \orig@footnotetext{#1}\endgroup}
18106 \long\def\mult@LTRfootnotetext#1{\begingroup
18107   \hsize\textwidth
18108   \columnwidth\textwidth
18109   \orig@LTRfootnotetext{#1}\endgroup}
18110 \long\def\mult@RTLfootnotetext#1{\begingroup
18111   \hsize\textwidth
18112   \columnwidth\textwidth
18113   \orig@RTLfootnotetext{#1}\endgroup}
18114 \def\right@footnoterule{%
18115   \kern-3\p@
18116   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
18117   \kern2.6\p@}
18118 \def\textwidth@footnoterule{\kern-3\p@

```



```

18119 \hrule \@width \textwidth \kern 2.6\p@}
18120 \def\bidileave@mult@copyins{%
18121     \advance\dimen@-\skip\@bidi@copyins@
18122     \advance\dimen@-\ht\@bidi@copyins@
18123 }
18124 \bidi@AtEndPreamble{%
18125     \if@bidi@csdef{footinsv@l}{%
18126         \def\bidileave@mult@footinsv@r{%
18127             \advance\dimen@-\skip\footinsv@r
18128             \advance\dimen@-\ht\footinsv@r
18129         }%
18130         \def\bidileave@mult@footinsv@l{%
18131             \advance\dimen@-\skip\footinsv@l
18132             \advance\dimen@-\ht\footinsv@l
18133         }%
18134         \def\bidii@init@mult@footinsv@r{%
18135             \multiply\count\footinsv@r\col@number
18136             \multiply\skip \footinsv@r\col@number
18137         }%
18138         \def\bidii@init@mult@footinsv@l{%
18139             \multiply\count\footinsv@l\col@number
18140             \multiply\skip \footinsv@l\col@number
18141         }%
18142         \def\bidireinsert@footnotesv@r{\ifvoid\footinsv@r\else
18143             \insert\footinsv@r{}\fi}%
18144         \def\bidireinsert@footnotesv@l{\ifvoid\footinsv@l\else
18145             \insert\footinsv@l{}\fi}%
18146         \bidi@patchcmd{\prepare@multicols}{%
18147             \reinsert@footnotes
18148         }{%
18149             \reinsert@footnotes
18150             \bidi@init@mult@footinsv@r
18151             \bidireinsert@footnotesv@r
18152             \bidi@init@mult@footinsv@l
18153             \bidireinsert@footnotesv@l
18154         }{}{}%
18155         \bidi@patchcmd{\multi@column@out}{%
18156             \ifnum \c@tracingmulticols>\thr@@
18157         }{%
18158             \ifvoid\footinsv@r
18159                 \ifvoid\footinsv@l
18160                 \else
18161                     \PackageWarning{multicol}%
18162                     {I moved some lines to
18163                     the next page.\MessageBreak
18164                     Footnotes on page
18165                     \thepage\space might be wrong}%
18166                 \fi
18167             \else
18168                 \PackageWarning{multicol}%
18169                 {I moved some lines to
18170                 the next page.\MessageBreak
18171                 Footnotes on page
18172                 \thepage\space might be wrong}%

```



```

18173         \fi
18174     \ifnum \c@tracingmulticols>\thr@@
18175 }{}{}%
18176 \bidi@patchcmd{\endmulticols}{%
18177     \reinsert@footnotes
18178 }{}{}%
18179     \reinsert@footnotes
18180     \bidi@reinsert@footnotesv@r
18181     \bidi@reinsert@footnotesv@l
18182 }{}{}%
18183 \bidi@patchcmd{\speci@ls}{%
18184     \reinsert@footnotes
18185 }{}{}%
18186     \reinsert@footnotes
18187     \bidi@reinsert@footnotesv@r
18188     \bidi@reinsert@footnotesv@l
18189 }{}{}%
18190 \bidi@patchcmd{\speci@ls}{%
18191     \reinsert@footnotes
18192 }{}{}%
18193     \reinsert@footnotes
18194     \bidi@reinsert@footnotesv@r
18195     \bidi@reinsert@footnotesv@l
18196 }{}{}%
18197 }{}{}%
18198 \bidi@patchcmd{\multi@column@out}{%
18199     \ifvbox \@kludgeins
18200 }{}{}%
18201     \if@bidi@csdef{footinsv@l}{%
18202         \divide\skip\footinsv@r\col@number
18203         \ifvoid\footinsv@r \else
18204             \bidi@leave@mult@footins@vr
18205         \fi
18206         \divide\skip\footinsv@l\col@number
18207         \ifvoid\footinsv@l \else
18208             \bidi@leave@mult@footins@vl
18209         \fi
18210     }{}{}%
18211     \ifvoid\@bidi@copyins@ \else
18212         \bidi@leave@mult@copyins
18213     \fi
18214     \ifvbox \@kludgeins
18215 }{}{}%
18216 }

```

119 File multienum-xetex-bidi.def

```

18217 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
18218 \renewcommand{\itemx}[1]{\parbox[t]{%
18219 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
18220 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
18221 \renewcommand{\itemxx}[2]{\parbox[t]{%
18222 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18223 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%

```



```

18224 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18225 \parbox[t]{0.5\remainxxx}{\bidi@raggedright #2}\smallskip}
18226 \renewcommand{\itemxxx}[3]{\parbox[t]%
18227 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
18228 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
18229 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
18230 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
18231 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
18232 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
18233 \renewcommand{\itemxxxx}[4]{\parbox[t]%
18234 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18235 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
18236 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18237 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #2}\hfill%
18238 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18239 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\hfill%
18240 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18241 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #4}\smallskip}
18242 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
18243 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18244 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
18245 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18246 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
18247 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18248 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
18249 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18250 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
18251 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18252 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
18253 \renewcommand{\itemxox}[2]{\parbox[t]%
18254 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18255 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
18256 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18257 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
18258 \renewcommand{\itemxox}[2]{\parbox[t]%
18259 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18260 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
18261 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18262 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
18263 \renewcommand{\itemxox}[3]{\parbox[t]%
18264 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18265 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
18266 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18267 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #2}\hfill%
18268 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18269 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
18270 \renewcommand{\itemxox}[3]{\parbox[t]%
18271 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18272 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
18273 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18274 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
18275 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18276 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
18277 \renewcommand{\itemxxxo}[3]{\parbox[t]%

```



```

18278 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18279 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
18280 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18281 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
18282 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
18283 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

120 File natbib-xetex-bidi.def

```

18284 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
18285 \renewenvironment{thebibliography}[1]{%
18286 \bibsection
18287 \parindent\z@
18288 \bibpreamble
18289 \bibfont
18290 \if@RTL\if@LTR\bibitems\@RTLfalse\else\fi\else\if@RTL\bibitems\@RTLtrue\else\fi\fi
18291 \bidi@thebibliography@font@hook%
18292 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
18293 \ifNAT@openbib
18294 \renewcommand\newblock{\par}%
18295 \else
18296 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
18297 \fi
18298 \sloppy\clubpenalty4000\widowpenalty4000
18299 \sfcode\.\@m
18300 \let\NAT@bibitem@first@sw\@firstoftwo
18301 \let\citeN\cite \let\shortcite\cite
18302 \let\citeasnoun\cite
18303 }{%
18304 \bibitem@fin
18305 \bibpostamble
18306 \def\@noitemerr{%
18307 \PackageWarning{natbib}{Empty `thebibliography' environment}%
18308 }%
18309 \endlist
18310 \bibcleanup
18311 }%

```

121 File newfloat-xetex-bidi.def

```

18312 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package
18313 \renewcommand*\newfloat@setwithin[2]{%
18314 \ifcsname c@chapter\endcsname
18315 \@removefromreset{#1}{chapter}%
18316 \fi
18317 \@removefromreset{#1}{section}%
18318 \edef\@tempa{#2}%
18319 \ifx\@tempa\@empty
18320 \def\@tempa{none}%
18321 \fi
18322 \def\@tempb{none}%
18323 \ifx\@tempa\@tempb
18324 \ifcsname c@chapter\endcsname
18325 \@chapterlistsgap@off{#1}%

```



```

18326 \fi
18327 \newfloat@@setwithin{#1}{-}{-}%
18328 \else
18329 \def\@tempb{chapter}%
18330 \ifx\@tempa\@tempb
18331 \addtoreset{#1}{chapter}%
18332 \chapterlistsgap@on{#1}%
18333 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
18334 \else
18335 \def\@tempb{section}%
18336 \ifx\@tempa\@tempb
18337 \addtoreset{#1}{section}%
18338 \ifcsname c@chapter\endcsname
18339 \addtoreset{#1}{chapter}%
18340 \chapterlistsgap@on{#1}%
18341 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
18342 \else
18343 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
18344 \fi
18345 \else
18346 \newfloat@Error{Invalid value `#2' for option `within'}%
18347 \fi
18348 \fi
18349 \fi}

```

122 File ntheorem-xetex-bidi.def

```

18350 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
18351 \gdef\@thm#1#2#3{%
18352 \if@thmmarks
18353 \stepcounter{end\InTheoType ctr}%
18354 \fi
18355 \renewcommand{\InTheoType}{#1}%
18356 \if@thmmarks
18357 \stepcounter{curr#1ctr}%
18358 \setcounter{end#1ctr}{0}%
18359 \fi
18360 \refstepcounter{#2}%
18361 \theorem@prework
18362 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
18363 \ifvmode \advance\thm@topsepadd\partopsep\fi
18364 \trivlist
18365 \@topsep \theorem@preskipamount
18366 \@topsepadd \thm@topsepadd % used by \@endparenv
18367 \advance\linewidth -\theorem@indent
18368 \advance\@totalleftmargin \theorem@indent
18369 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
18370 \ifnextchar [{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}]

```

123 File ntheorem-hyper-xetex-bidi.def

```

18371 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-h
18372 \gdef\@thm#1#2#3{%
18373 \if@thmmarks

```




```

18374     \stepcounter{end\InTheoType ctr}%
18375   \fi
18376   \renewcommand{\InTheoType}{#1}%
18377   \if@thmmarks
18378     \stepcounter{curr#1ctr}%
18379     \setcounter{end#1ctr}{0}%
18380   \fi
18381   \refstepcounter{#2}%
18382   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
18383   \ifvmode \advance\thm@topsepadd\partopsep\fi
18384   \@trivlist
18385   \@topsep \theorempreskipamount
18386   \@topsepadd \thm@topsepadd % used by \@endparenv
18387   \advance\linewidth -\theorem@indent
18388   \advance\@totalleftmargin \theorem@indent
18389   \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
18390   \ifnextchar [{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}]

```

124 File overpic-xetex-bidi.def

```

18391 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
18392 \renewenvironment{overpic}[2][\fi]{%
18393   \sbox{\z@}{\includegraphics[#1]{#2}}%
18394   \settodepth{\@tempcnta}{\usebox{\z@}}%
18395   \settoheight{\@tempcntb}{\usebox{\z@}}%
18396   \advance\@tempcntb\@tempcnta%
18397   \settowidth{\@tempcnta}{\usebox{\z@}}%
18398   \setlength{\@tempdima}{\unitlength}%
18399   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
18400 %
18401 \OVP@calc%
18402 %
18403 \begin{picture}(\@tempcnta,\@tempcntb)%
18404   \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
18405   \ifGin@grid%
18406     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
18407       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
18408   \fi\fi%
18409   % reset the graphics parameter
18410   \let\Gin@outer@scalex\relax
18411   \let\Gin@outer@scaley\relax
18412   \let\Gin@angle\relax
18413   \let\Gin@ewidth\Gin@exclamation
18414   \let\Gin@eheight\Gin@ewidth
18415   \def\Gin@scalex{1}
18416   \let\Gin@scaley\Gin@exclamation
18417 }{%
18418   \if@RTL\ifGin@grid%
18419     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
18420       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
18421   \fi%
18422   \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
18423 \end{picture}%
18424 }%

```



125 File pdfbase-xetex-bidi.def

```
18425 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
18426 \ExplSyntaxOn
18427 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
18428 \cs_set_nopar:Npn\@outputpage{
18429   \int_gincr:N\g_pbs_page_int
18430   \box_if_vertical:cTF{\@outputbox}{
18431     \bool_set_true:N\l_pbs_is_vertical_bool
18432   }{
18433     \bool_set_false:N\l_pbs_is_vertical_bool
18434   }
18435   \hbox_set:Nn\@outputbox{
18436     %begin of page
18437     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
18438     \box_use_drop:N\@outputbox
18439     %end of page
18440     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
18441   }
18442   \bool_if:NT\l_pbs_is_vertical_bool{
18443     \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
18444   }
18445   \pbs_outputpage_orig:
18446 }
18447 \ExplSyntaxOff
```

126 File pdfscape-xetex-bidi.def

```
18448 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa
18449 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
18450   \if@RTL
18451     \PLS@Rotate{-90}%
18452   \else
18453     \PLS@Rotate{90}%
18454   \fi
18455 }{}{}
```

127 File pdfpages-xetex-bidi.def

```
18456 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package
18457 \renewcommand*{\includepdf}[2] [] {%
18458   \begingroup
18459   \@RTLfalse
18460   \let\AM@threadname\relax
18461   \AM@split@options{pdfpages}{#1}%
18462   \edef\AM@temp{\{pdfpages\}\the\@temptokena}%
18463   \expandafter\setkeys\AM@temp
18464   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
18465     \let\AM@currentdocname\relax
18466     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
18467     \def\AM@pagecount{0}%
18468   }{%
18469     \AM@findfile{#2}%
18470     \if\AM@threadname\relax
```



```

18471     \def\AM@threadname{\AM@currentdocname}%
18472     \fi
18473 }%
18474 \ifAM@survey
18475     \def\AM@pagestemp{}%
18476     \@tempcnta=0
18477     \def\foo{%
18478         \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
18479             {\let\foo\relax}
18480             {\expandafter\ifx\expandafter\\\AM@pagestemp\
18481                 \edef\AM@pagestemp{%
18482                     \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
18483             \else
18484                 \edef\AM@pagestemp{\AM@pagestemp,%
18485                     \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
18486             \fi
18487             \advance\@tempcnta 1\relax
18488         }%
18489     \foo
18490 }%
18491 \foo
18492 \expandafter\ifx\expandafter\\\AM@pagestemp\
18493     \def\AM@pagestemp{1}%
18494 \fi
18495 \fi
18496 \ifAM@output
18497     \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
18498     \AM@output{#1}%
18499 \fi
18500 \AM@CheckAtEnd
18501 \endgroup
18502 \AM@ClearShipoutPicture
18503 }

```

128 File pgfcorescopes.code-xetex-bidi.def

```

18504 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
18505 \def\pgfpicture{%
18506     \begingroup%
18507     \ifmmode\else\@RTLfalse\beginL\fi%
18508     \pgfpicturetrue%
18509     \global\advance\pgf@picture@serial@count by1\relax%
18510     \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
18511     \let\pgf@nodecallback=\pgfutil@gobble%
18512     \pgf@picmaxx=-16000pt\relax%
18513     \pgf@picminx=16000pt\relax%
18514     \pgf@picmaxy=-16000pt\relax%
18515     \pgf@picminy=16000pt\relax%
18516     \pgf@relevantforpicturesizetrue%
18517     \pgf@resetpathsizes%
18518     \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
18519 \def\endpgfpicture{%
18520     \ifpgfrememberpicturepositiononpage%
18521         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%

```



```

18522         \fi%
18523         % ok, now let's position the box
18524         \ifdim\pgf@picmaxx=-16000pt\relax%
18525             % empty picture. make size 0.
18526             \global\pgf@picmaxx=0pt\relax%
18527             \global\pgf@picminx=0pt\relax%
18528             \global\pgf@picmaxy=0pt\relax%
18529             \global\pgf@picminy=0pt\relax%
18530         \fi%
18531         % Shift baseline outside:
18532         \pgf@relevantforpicturesizefalse%
18533         \pgf@process{\pgf@baseline}%
18534         \xdef\pgf@shift@baseline{\the\pgf@y}%
18535         %
18536         \pgf@process{\pgf@trimleft}%
18537         \global\advance\pgf@x by-\pgf@picminx
18538         % prepare \hskip\pgf@trimleft@final.
18539         % note that \pgf@trimleft@final is also queried
18540         % by the pgf image externalization.
18541         \xdef\pgf@trimleft@final{-\the\pgf@x}%
18542         %
18543         \pgf@process{\pgf@trimright}%
18544         \global\advance\pgf@x by-\pgf@picmaxx
18545         % prepare \hskip\pgf@trimright@final.
18546         % note that \pgf@trimright@final is also queried
18547         % by the pgf image externalization.
18548         \xdef\pgf@trimright@final{\the\pgf@x}%
18549     %
18550     \pgf@remember@layerlist@globally
18551     \endgroup%
18552     \hss%
18553     \egroup%
18554     \pgf@restore@layerlist@from@global
18555     \pgf@insertlayers%
18556     \endgroup%
18557     \pgfsys@discardpath%
18558     \endgroup%
18559     \pgfsys@endscope%
18560     \pgfsys@endpicture%
18561     \endgroup%
18562     \hss
18563 \egroup%
18564 \pgfsys@typesetpicturebox\pgfpic%
18565 \ifmmode\else\endL\fi%
18566 \endgroup%
18567 }

```

129 File pgfsys.code-xetex-bidi.def

```

18568 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.t
18569 \def\pgfsys@shadingoutsidepgfpicture#1{%
18570     \beginL#1\endL%
18571 }
18572

```



18573

130 File picinpar-xetex-bidi.def

```
18574 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
18575 \long\def\@makewincaption#1#2{%
18576   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
18577   \ifdim\wd\@tempboxa>\picwd
18578     {\footnotesize{\bf #1:\enspace}{#2\par}}
18579   \else
18580     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
18581   \fi}
18582 \def\endwindow{%
18583   \global\tcd=\tcdsav
18584   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
18585   \vbadness=10000
18586   \splittopskip=0pt
18587 %
18588 % Typeset the lines above the window
18589 %
18590 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
18591 \tcn=\tcd
18592 \loop\advance\tcn -1
18593 \setbox\fslice=\vsplit\holder to\baselineskip
18594 \prune\fslice\linewidth
18595 \topheight=0pt
18596 \ifnum\dp\fslice>\dp\wstrutbox
18597   \advance\topheight-\dp\fslice
18598   \advance\topheight\dp\wstrutbox
18599   \advance\topheight\ilg\fi
18600 \hbox to\linewidth{\box\fslice}
18601 \vskip-\topheight
18602 \ifdim\ht\holder>0pt\repeat
18603 \fi
18604 %
18605 % Now we build the boxes beside the window
18606 %
18607 \global\topheight=\tcl\baselineskip
18608 \ifnum\cumpartcl>0\global\tcl=\cumtcl
18609   \global\topheight=\vpic
18610 \fi
18611 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
18612 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
18613 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
18614 \tcn=\tcl \na=0 \nb=0
18615 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
18616 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
18617 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
18618 \ifnum\na=0\ifnum\nb=0
18619   \setbox\waslice=\vbox to\vpic{\vss}
18620   \setbox\wbslice=\vbox to\vpic{\vss}
18621   \bl=1\br=1
18622   \vskip\ilg
18623 \fi\fi
```



```

18624 %
18625 % both sides
18626 %
18627 \ifnum\na>0 \ifnum\nb>0
18628 \loop\advance\nb -1
18629 \advance\na -1
18630 \if@RTL%
18631 \setbox\bslice=\vsplit\holder to\baselineskip
18632 \prune\bslice\rtside
18633 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
18634 to\rtside{\box\bslice\hfil}}
18635 \setbox\aslice=\vsplit\holder to\baselineskip
18636 \prune\aslice\lftside
18637 \setbox\waslice=\vbox{\unvbox\waslice\hbox
18638 to\lftside{\box\aslice\hfil}}
18639 \else%
18640 \setbox\aslice=\vsplit\holder to\baselineskip
18641 \prune\aslice\lftside
18642 \setbox\waslice=\vbox{\unvbox\waslice\hbox
18643 to\lftside{\box\aslice\hfil}}
18644 \setbox\bslice=\vsplit\holder to\baselineskip
18645 \prune\bslice\rtside
18646 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
18647 to\rtside{\box\bslice\hfil}}
18648 \fi%
18649 \ifnum\nb>0\repeat
18650 \fi\fi
18651 %
18652 % only text on the left side
18653 %
18654 \ifnum\na>0
18655 \loop\advance\na -1
18656 \setbox\aslice=\vsplit\holder to\baselineskip
18657 \prune\aslice\lftside
18658 \setbox\waslice=\vbox{\unvbox\waslice\hbox
18659 to\lftside{\box\aslice\hfil}}
18660 \ifdim\ht\holder>0pt\repeat
18661 \fi
18662 %
18663 % only text on the right side
18664 %
18665 \ifnum\nb>0
18666 \loop\advance\nb -1
18667 \setbox\bslice=\vsplit\holder to\baselineskip
18668 \prune\bslice\rtside
18669 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
18670 to\rtside{\box\bslice\hfil}}
18671 \ifdim\ht\holder>0pt\repeat
18672 \fi
18673 %
18674 % fixing the dimensions of the window part
18675 %
18676 \ifnum\bl=0\topheight=\ht\wbslice
18677 \else\ifnum\br=0\topheight=\ht\waslice

```



```

18678      \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
18679      \else\topheight=\ht\wbslice\fi\fi\fi
18680 %
18681 % ship out the window material to the main vertical list
18682 %
18683 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
18684 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfll}
18685 \fi\fi\fi
18686 \setbox>windowbox=\vbox{\hbox to\linewidth{%
18687 \ifnum\bl>0\box\waslice\hfill\fi%
18688 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
18689 \vfll\unvbox\picbox%
18690 \ifnum\picwd>0\vfll\fi%
18691 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
18692 \unvbox>windowbox%
18693 \loop
18694 \setbox\bslice=\vsplit\rawtext to\baselineskip
18695 \prune\bslice\linewidth
18696 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
18697 \unvbox\wbslice
18698 \ifdim\ht\rawtext>0pt
18699 \repeat
18700 }% FINITO

```

131 File plain-xetex-bidi.def

```

18701 \def\TeXXeTOn{\TeXXeTstate=1 }
18702 \def\TeXXeTOff{\TeXXeTstate=0 }
18703 \TeXXeTOn
18704 \def\usebox#1{\leavevmode\copy #1\relax}
18705 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
18706 \let\bidi@o@everypar=\everypar
18707 \newtoks\bidi@n@everypar
18708 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
18709 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
18710 \let\everypar=\bidi@n@everypar
18711 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
18712 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
18713 \protected\def\hboxR{\hbox\bgroup
18714 \everyhbox{%
18715 \aftergroup\egroup
18716 \everyhbox{}}%
18717 \beginR
18718 \@hboxRconstructtrue
18719 \bgroup
18720 \aftergroup\endR
18721 \aftergroup\egroup
18722 }\hbox}
18723 \protected\def\hboxL{\hbox\bgroup
18724 \everyhbox{%
18725 \aftergroup\egroup
18726 \everyhbox{}}%
18727 \beginL
18728 \@hboxRconstructfalse

```



```

18729 \bgroup
18730 \aftergroup\endL
18731 \aftergroup\egroup
18732 }\hbox}
18733 \protected\def\vboxR{\vbox\bgroup
18734 \everyvbox{%
18735 \aftergroup\egroup
18736 \everyvbox{}}%
18737 \@RTLtrue
18738 \bgroup
18739 \aftergroup\egroup
18740 }\vbox}
18741 \protected\def\vboxL{\vbox\bgroup
18742 \everyvbox{%
18743 \aftergroup\egroup
18744 \everyvbox{}}%
18745 \@RTLfalse
18746 \bgroup
18747 \aftergroup\egroup
18748 }\vbox}
18749 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
18750 \def\endLTR{\par}
18751 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
18752 \def\endRTL{\par}
18753 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
18754 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
18755 \let\unsetRTL=\setLTR
18756 \let\unsetLTR=\setRTL
18757 \let\LR=\LRE
18758 \let\RL=\RLE
18759 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
18760 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
18761 \let\@ensure@RL=\@ensure@RTL
18762 \let\@ensure@LR=\@ensure@LTR
18763 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
18764 \let\@ensure@maindir=\@ensure@dir
18765 \def\@RTL{RTL}
18766 \def\@LTR{LTR}
18767 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
18768 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
18769 \let\@TeX\TeX
18770 \def\TeX{\@ensure@LTR{\@TeX}}
18771 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
18772 \dimen@=\dp\cclv \unvbox\cclv % open up \box255
18773 \ifvoid\footins\else % footnote info is present
18774 \vskip\skip\footins
18775 \footnoterule
18776 \unvbox\footins\fi
18777 \ifrggedbottom \kern-\dimen@ \vfil \fi
18778 \ifvoid\@bidi@copyins@
18779 \else
18780 \vskip\skip\@bidi@copyins@
18781 \unvbox\@bidi@copyins@
18782 \fi

```




```

18783 }
18784 \long\def\bidireflect@box#1{%
18785   \leavevmode
18786   \setbox\z@\hbox{#{1}}%
18787   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
18788   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
18789 }
18790 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18791   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
18792 \let\setRL=\setRTL
18793 \let\setLR=\setLTR
18794 \let\unsetRL=\setLTR
18795 \let\bidisaved@eqno=\eqno
18796 \let\bidisaved@leqno=\leqno
18797 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
18798 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
18799 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
18800 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
18801 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

132 File pstricks-xetex-bidi.def

```

18802 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
18803 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
18804 \def\endpspicture{%
18805   \ifshowgrid\ifnum\showgridp>0
18806     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
18807   \pst@killglue
18808 % \global\pst@shift=\pst@shift% in fact of the following endgroup
18809   \endgroup
18810   \egroup
18811   \ifdim\wd\pst@hbox=\z@\else
18812     %\@pstrickserr{Extraneous space in the pspicture environment}%
18813     %\Type \space <return> \space to proceed.}%
18814   \fi
18815   \ht\pst@hbox=\pst@dimd
18816   \dp\pst@hbox=-\pst@dimb
18817   \setbox\pst@hbox=\hbox{%
18818     \kern-\pst@dimd
18819 % Orig version -----
18820 %\ifx\pst@tempa\@empty\else
18821 %\advance\pst@dimd-\pst@dimb
18822 %\pst@dimd=\pst@tempa\pst@dimd
18823 %\advance\pst@dimd\pst@dimb
18824 %\lower\pst@dimd
18825 %\fi
18826 %----- end Orig
18827   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
18828     \advance\pst@dimd-\pst@dimb
18829     \pst@dimd=0.5\pst@dimd
18830   \else\pst@dimd-\pst@shift\fi
18831   \advance\pst@dimd\pst@dimb
18832   \lower\pst@dimd
18833   \box\pst@hbox

```



```

18834 \kern\pst@dimc}%
18835 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
18836 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
18837 \fbboxsep=0pt
18838 \fbbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
18839 \ifmmode\else\endL\fi
18840 \endgroup%
18841 \psset[pstricks]{shift=0}% reset value
18842 }

```

133 File quotchap-xetex-bidi.def

```

18843 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
18844 \renewcommand{\qauthor}[1]{%
18845 \par\smallskip
18846 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}\par}\bigskip}
18847 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
18848 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
18849 {\chapnumfont
18850 \ifnum \c@secnumdepth >\m@ne%
18851 \if@mainmatter\thechapter%
18852 \fi\fi
18853 \par\nobreak}%
18854 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
18855 \nobreak\chapterheadendvskip}}
18856 \renewcommand*{\@iprintcites}{%
18857 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
18858 \global\let\@printcites\relax}

```

134 File ragged2e-xetex-bidi.def

```

18859 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
18860 \renewcommand{\Centering}{%
18861 \ifx\\ \@raggedtwoe@savedcr
18862 \let\\ \@centercr
18863 \fi
18864 \let\@gnewline\@raggedtwoe@gnewline
18865 \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
18866 \@rightskip\CenteringRightskip
18867 \if@RTL\leftskip\else\rightright\fi\@rightskip
18868 \parfillskip\CenteringParfillskip
18869 \parindent\CenteringParindent
18870 \@raggedtwoe@spaceskiptrue
18871 \@raggedtwoe@everyselectfont
18872 }
18873 \renewcommand{\RaggedLeft}{%
18874 \ifx\\ \@raggedtwoe@savedcr
18875 \let\\ \@centercr
18876 \fi
18877 \let\@gnewline\@raggedtwoe@gnewline
18878 \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
18879 \@rightskip\RaggedLeftRightskip
18880 \if@RTL\leftskip\else\rightright\fi\@rightskip
18881 \parfillskip\RaggedLeftParfillskip

```



```

18882 \parindent\RaggedLeftParindent
18883 \@raggedtwoe@spaceskiptrue
18884 \@raggedtwoe@everyselectfont
18885 }
18886 \renewcommand{\RaggedRight}{%
18887 \ifx\\ \@raggedtwoe@savedcr
18888 \let\\ \@centercr
18889 \fi
18890 \let\@gnewline\@raggedtwoe@gnewline
18891 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
18892 \@rightskip\RaggedRightRightskip
18893 \if@RTL\leftskip\else\rightskip\fi\@rightskip
18894 \parfillskip\RaggedRightParfillskip
18895 \parindent\RaggedRightParindent
18896 \@raggedtwoe@spaceskiptrue
18897 \@raggedtwoe@everyselectfont
18898 }
18899 \renewcommand{\justifying}{%
18900 \let\\ \@raggedtwoe@savedcr
18901 \let\@gnewline\@raggedtwoe@saved@gnewline
18902 \if@RTL\rightskip\else\leftskip\fi\z@
18903 \@rightskip\z@
18904 \if@RTL\leftskip\else\rightskip\fi\@rightskip
18905 \parfillskip\JustifyingParfillskip
18906 \parindent\JustifyingParindent
18907 \@raggedtwoe@spaceskipfalse
18908 \@raggedtwoe@everyselectfont
18909 }
18910 \def\@raggedtwoe@raggedrightboxes@opt{%
18911 \renewcommand{\@arrayparboxrestore}{%
18912 \let\if@nobreak\iffalse
18913 \let\if@noskipsec\iffalse
18914 \let\par\@par
18915 \let\-\@dischyp
18916 \let'\@acci\let\` \@accii\let\=\@acciii
18917 \parskip\z@skip
18918 \everypar{}%
18919 \linewidth\hsize
18920 \@totalleftmargin\z@
18921 \if@RTL
18922 \RaggedLeft
18923 \else
18924 \RaggedRight
18925 \fi
18926 \lineskip\normallineskip
18927 \baselineskip\normalbaselineskip
18928 \sloppy}%
18929 \let\@raggedtwoe@raggedrightboxes@opt\relax
18930 }
18931 \def\@raggedtwoe@document@opt{%
18932 \AtBeginDocument{\@raggedtwoe@abdhook}%
18933 \@raggedtwoe@raggedrightboxes@opt
18934 \@raggedtwoe@footmisctrue
18935 \let\@raggedtwoe@document@opt\relax

```



```

18936 }
18937 \def\@raggedtwo@abdhook{%
18938   \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
18939     right to left documents and '\string\RaggedRight' for left
18940     to right documents}%
18941   \if@RTL
18942     \RaggedLeft
18943   \else
18944     \RaggedRight
18945   \fi
18946   \@ifundefined{@tocrmarg}{\edef\tocrmarg{\tocrmarg plus 2em}}%
18947   \let\@raggedtwo@abdhook\relax
18948 }
18949 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
18950   \@raggedtwo@raggedrightboxes@opt
18951 }{}
18952 \@ifpackagewith{ragged2e}{document}{%
18953   \@raggedtwo@document@opt
18954 }{}
18955 \let\origin@RaggedLeft=\RaggedLeft
18956 \let\origin@RaggedRight=\RaggedRight
18957 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
18958 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

135 File rapport1-xetex-bidi.def

```

18959 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
18960 \renewenvironment{theindex}{%
18961   \if@twocolumn
18962     \@restonecolfalse
18963   \else
18964     \@restonecoltrue
18965   \fi
18966   \columnseprule \z@
18967   \columnsep 35\p@
18968   \twocolumn[\@makeschapterhead{\indexname}]%
18969   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
18970   \thispagestyle{plain}\parindent\z@
18971   \parskip\z@ \@plus .3\p@\relax
18972   \let\item\@idxitem
18973 }{%
18974   \if@restonecol\onecolumn\else\clearpage\fi}
18975 \renewcommand*\head@style{%
18976   \interlinepenalty \@M
18977   \hyphenpenalty=\@M \exhyphenpenalty=\@M
18978   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
18979 \if@titlepage
18980   \renewenvironment{abstract}{%
18981     \titlepage
18982     \null\vfil
18983     \section*{\SectFont\abstractname}%
18984     \noindent\ignorespaces}
18985   {\par\vfil\null\endtitlepage}
18986 \else

```



```

18987 \renewenvironment{abstract}{%
18988     \if@twocolumn
18989         \section*{\abstractname}%
18990     \else
18991         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
18992         \section*{\small\SectFont\abstractname}%
18993         \noindent\ignorespaces
18994     \fi}
18995     {\if@twocolumn\else\par\egroup\fi}
18996 \fi
18997 \renewcommand*\@regtocline[3]{%
18998     \ifnum #1>\c@tocdepth
18999     \else
19000         \vskip\z@\@plus.2\p@
19001         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
19002         \if@RTL\rightskip\else\leftskip\fi\unitindent
19003         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
19004         \parfillskip\z@
19005         \@tempdima\unitindent
19006         \parindent\z@
19007         \leavevmode
19008         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
19009         \hskip 1em \nobreak{\slshape #3}\par
19010     }%
19011     \fi}
19012 \if@oldtoc
19013 \renewcommand*\l@part[2]{%
19014     \ifnum \c@tocdepth >-2\relax
19015         \addpenalty{-\@highpenalty}%
19016         \addvspace{2.25em \@plus\p@}%
19017         \begingroup
19018             \setlength\@tempdima{3em}%
19019             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19020             \parfillskip -\@pnumwidth
19021             {\leavevmode
19022                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
19023                 \nobreak
19024                 \global\@nobreaktrue
19025                 \everypar{\global\@nobreakfalse\everypar{}}%
19026             \endgroup
19027     \fi}
19028 \else
19029     \renewcommand*\l@part{%
19030         \ifnum \c@tocdepth >-2\relax
19031             \addpenalty{-\@highpenalty}%
19032             \addvspace{2.25em \@plus \p@}%
19033             \@regtocline{0}%
19034         \fi}
19035 \fi
19036 \if@oldtoc
19037 \renewcommand*\l@chapter[2]{%
19038     \addpenalty{-\@highpenalty}%
19039     \vskip 1.0em \@plus\p@
19040     \setlength\@tempdima{1.5em}%

```



```

19041 \begingroup
19042 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19043 \parfillskip -\@pnumwidth
19044 \leavevmode \bfseries
19045 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
19046 \hskip -\if@RTL\rightskip\else\leftskip\fi
19047 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
19048 \penalty\@highpenalty
19049 \endgroup}
19050 \else
19051 \renewcommand*\l@chapter{\@regtocline{0}}
19052 \fi
19053 \renewcommand*\left@footnoterule{%
19054 \kern-3\p@
19055 \kern.5\baselineskip
19056 \hrule\@width\unitindent
19057 \kern.4\baselineskip
19058 }
19059 \renewcommand*\right@footnoterule{%
19060 \kern-3\p@
19061 \kern.5\baselineskip
19062 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
19063 \kern.4\baselineskip}
19064 \renewenvironment{thebibliography}[1]
19065 {\chapter*{\bibname}%
19066 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
19067 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19068 \bidi@thebibliography@font@hook%
19069 \list{\@biblabel{\@arabic\c@enumiv}}%
19070 {\settowidth\labelwidth{\@biblabel{#1}}%
19071 \leftmargin\labelwidth
19072 \advance\leftmargin\labelsep
19073 \@openbib@code
19074 \usecounter{enumiv}%
19075 \let\p@enumiv\@empty
19076 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
19077 \sloppy\clubpenalty4000\widowpenalty4000%
19078 \sfcode`.\@m}
19079 {\def\@noitemerr
19080 {\@latex@warning{Empty `thebibliography' environment}}}%
19081 \endlist}
19082 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
19083 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
19084 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
19085 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
19086 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
19087 \renewcommand*\theequation{%
19088 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
19089 \renewcommand*\thefigure{%
19090 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
19091 \renewcommand*\thetable{%
19092 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
19093 \if@titlepage
19094 \renewcommand*\TitleFont{\rmfamily}

```



```

19095 \renewcommand*\maketitle{%
19096   \begin{titlepage}%
19097     \let\footnotesize\small
19098     \let\right@footnoterule\relax
19099     \let\left@footnoterule\relax
19100     \let\textwidth@footnoterule\relax
19101     \let \footnote \thanks
19102     \long\def\@makefntext##1{\parindent\z@
19103       \def\labelitemi{\textendash}\@revlabeltrue
19104       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
19105     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19106     \if@compatibility\setcounter{page}{0}\fi
19107     \null\vfil
19108     \vskip 60\p@
19109     \begin{center}%
19110       \TitleFont
19111       {\LARGE \def\{\{\penalty -\@M}
19112         \if@allcaps
19113           \expandafter\uc@nothanks\@title\thanks\relax
19114         \else
19115           \@title
19116         \fi\par}%
19117       \vskip 3em%
19118       {\large
19119         \lineskip .75em \parindent\z@
19120         \begin{tabular}[t]{c}%
19121           \if@allcaps
19122             \expandafter\uc@authornothanks\@author\and\relax
19123           \else
19124             \@author
19125           \fi
19126         \end{tabular}\par}%
19127       \vskip 1.5em%
19128       {\large
19129         \if@allcaps
19130           \uppercase\expandafter{\@date}%
19131         \else
19132           \@date
19133         \fi\par}%
19134       \end{center}\par
19135       \@thanks
19136       \vfil\null
19137     \end{titlepage}%
19138     \setcounter{footnote}{0}%
19139     \global\let\thanks\relax
19140     \global\let\maketitle\relax
19141     \global\let\@thanks\@empty
19142     \global\let\@author\@empty
19143     \global\let\@title\@empty
19144     \global\let\@date\@empty
19145     \global\let\title\relax
19146     \global\let\author\relax
19147     \global\let\date\relax
19148     \global\let\and\relax

```



```

19149 }
19150 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
19151 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
19152     \futurelet\@tempa\uc@ax}
19153 \def\uc@ax{%
19154     \ifx\@tempa\relax
19155     \else
19156         \ \andname \ \expandafter\uc@authornothanks
19157     \fi}
19158 \def\uc@tx{\ifx\@tempa\relax
19159     \else \expandafter\uc@ty \fi}
19160 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
19161 \else
19162 \renewcommand*\maketitle{\par
19163     \begingroup
19164     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19165     \def\@makefnmark{\rlap{%
19166         \@textsuperscript{\normalfont\@thefnmark}}}%
19167     \long\def\@makefntext{\@xmakefntext{%
19168         \@textsuperscript{\normalfont\@thefnmark}}}%
19169     \if@twocolumn
19170         \ifnum \col@number=\@ne
19171             \@maketitle
19172         \else
19173             \twocolumn[\@maketitle]%
19174         \fi
19175     \else
19176         \newpage
19177         \global\@topnum\z@
19178         \@maketitle
19179     \fi
19180     \thispagestyle{plain}\@thanks
19181 \endgroup
19182 \setcounter{footnote}{0}%
19183 \global\let\thanks\relax
19184 \global\let\maketitle\relax
19185 \global\let\@maketitle\relax
19186 \global\let\@thanks\@empty
19187 \global\let\@author\@empty
19188 \global\let\@title\@empty
19189 \global\let\@date\@empty
19190 \global\let\title\relax
19191 \global\let\author\relax
19192 \global\let\date\relax
19193 \global\let\and\relax
19194 }
19195 \def\@maketitle{%
19196     \newpage
19197     \null
19198     \vskip 2em%
19199     \begin{center}%
19200         \let \footnote \thanks
19201         {\LARGE \TitleFont \@title \par}%
19202         \vskip 1.5em%

```




```

19203     {\large \TitleFont
19204       \lineskip .5em%
19205       \begin{tabular}[t]{c}%
19206         \@author
19207       \end{tabular}\par}%
19208     \vskip 1em%
19209     {\large \TitleFont \@date}%
19210   \end{center}%
19211   \par
19212   \vskip 1.5em}
19213 \fi

```

136 File rapport3-xetex-bidi.def

```

19214 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
19215 \renewenvironment{theindex}{%
19216   \if@twocolumn
19217     \@restonecolfalse
19218   \else
19219     \@restonecoltrue
19220   \fi
19221   \columnseprule \z@
19222   \columnsep 35\p@
19223   \twocolumn[{\@makeschapterhead{\indexname}}]%
19224   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
19225   \thispagestyle{plain}\parindent\z@
19226   \parskip\z@ \@plus .3\p@\relax
19227   \let\item\@idxitem
19228 }{%
19229   \if@restonecol\onecolumn\else\clearpage\fi}
19230 \if@titlepage
19231 \renewcommand*\TitleFont{\rmfamily}
19232 \renewcommand*\maketitle{%
19233   \begin{titlepage}%
19234     \let\footnotesize\small
19235     \let\right@footnoterule\relax
19236     \let\left@footnoterule\relax
19237     \let\textwidth\footnoterule\relax
19238     \let \footnote \thanks
19239     \let \LTRfootnote \LTRthanks
19240     \let \RTLfootnote \RTLthanks
19241     \long\def\@makefntext##1{\parindent\z@
19242       \def\labelitemi{\textendash}\@revlabeltrue
19243       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
19244     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19245     \if@compatibility\setcounter{page}{0}\fi
19246     \null\vfil
19247     \vskip 60\p@
19248     \begin{center}%
19249       \TitleFont
19250       {\LARGE \def\\{\penalty -\@M}
19251         \if@allcaps
19252           \expandafter\uc@nothanks\@title\thanks\relax
19253         \else

```



```

19254         \@title
19255         \fi\par}%
19256     \vskip 3em%
19257     {\large
19258     \lineskip .75em \parindent\z@
19259     \begin{tabular}[t]{c}%
19260         \if@allcaps
19261         \expandafter\uc@authornothanks\@author\and\relax
19262         \else
19263         \@author
19264         \fi
19265     \end{tabular}\par}%
19266     \vskip 1.5em%
19267     {\large
19268     \if@allcaps
19269     \uppercase\expandafter{\@date}%
19270     \else
19271     \@date
19272     \fi\par}%
19273     \end{center}\par
19274     \@thanks
19275     \vfil\null
19276 \end{titlepage}%
19277 \setcounter{footnote}{0}%
19278 \global\let\thanks\relax
19279 \global\let\LTRthanks\relax
19280 \global\let\RTLthanks\relax
19281 \global\let\maketitle\relax
19282 \global\let\@thanks\@empty
19283 \global\let\@author\@empty
19284 \global\let\@title\@empty
19285 \global\let\@date\@empty
19286 \global\let\title\relax
19287 \global\let\author\relax
19288 \global\let\date\relax
19289 \global\let\and\relax
19290 }
19291 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
19292 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
19293     \futurelet\@tempa\uc@ax}
19294 \def\uc@ax{%
19295     \ifx\@tempa\relax
19296     \else
19297     \ \ \andname \ \ \expandafter\uc@authornothanks
19298     \fi}
19299 \def\uc@tx{\ifx\@tempa\relax
19300     \else \expandafter\uc@ty \fi}
19301 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
19302 \else
19303 \renewcommand*\maketitle{\par
19304     \begingroup
19305     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19306     \def\@makefnmark{\rlap{%
19307         \@textsuperscript{\normalfont\@thefnmark}}}%

```



```

19308 \long\def\@makefntext{\@xmakefntext{%
19309 \@textsuperscript{\normalfont\@thefnmark}}}%
19310 \if@twocolumn
19311 \ifnum \col@number=\@ne
19312 \@maketitle
19313 \else
19314 \twocolumn[\@maketitle]%
19315 \fi
19316 \else
19317 \newpage
19318 \global\@topnum\z@
19319 \@maketitle
19320 \fi
19321 \thispagestyle{plain}\@thanks
19322 \endgroup
19323 \setcounter{footnote}{0}%
19324 \global\let\thanks\relax
19325 \global\let\LTRthanks\relax
19326 \global\let\RTLthanks\relax
19327 \global\let\maketitle\relax
19328 \global\let\@maketitle\relax
19329 \global\let\@thanks\@empty
19330 \global\let\@author\@empty
19331 \global\let\@title\@empty
19332 \global\let\@date\@empty
19333 \global\let\title\relax
19334 \global\let\author\relax
19335 \global\let\date\relax
19336 \global\let\and\relax
19337 }
19338 \def\@maketitle{%
19339 \newpage
19340 \null
19341 \vskip 2em%
19342 \if@titlecentered
19343 \begin{center}%
19344 \let \footnote \thanks
19345 \let \LTRfootnote \LTRthanks
19346 \let \RTLfootnote \RTLthanks
19347 {\LARGE \TitleFont \@title \par}%
19348 \vskip 1.5em%
19349 {\large \TitleFont
19350 \lineskip .5em%
19351 \begin{tabular}[t]{c}%
19352 \@author
19353 \end{tabular}\par}%
19354 \vskip 1em%
19355 {\large \TitleFont \@date}%
19356 \end{center}%
19357 \else
19358 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
19359 {\large \TitleFont \lineskip .5em \tabcolsep\z@
19360 \def\and{%% \begin{tabular} has already started
19361 \end{tabular}\hskip 1em plus .17fil

```



```

19362             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
19363             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\
19364             \vskip 1em {\large \TitleFont \@date}
19365 \fi
19366 \par
19367 \vskip 1.5em}
19368 \fi
19369 \renewcommand*\@regtocline[3]{%
19370 \ifnum #1>\c@tocdepth
19371 \else
19372 \vskip\z@\@plus.2\p@
19373 {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
19374 \if@RTL\righskip\else\leftskip\fi\unitindent
19375 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
19376 \parfillskip\z@
19377 \@tempdima\unitindent
19378 \parindent\z@
19379 \leavevmode
19380 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
19381 \hskip 1em \nobreak{\slshape #3}\par
19382 }%
19383 \fi}
19384 \if@oldtoc
19385 \renewcommand*\l@part[2]{%
19386 \ifnum \c@tocdepth >-2\relax
19387 \addpenalty{-\@highpenalty}%
19388 \addvspace{2.25em \@plus\p@}%
19389 \begingroup
19390 \setlength\@tempdima{3em}%
19391 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
19392 \parfillskip -\@pnumwidth
19393 {\leavevmode
19394 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
19395 \nobreak
19396 \global\@nobreaktrue
19397 \everypar{\global\@nobreakfalse\everypar{}}%
19398 \endgroup
19399 \fi}
19400 \else
19401 \renewcommand*\l@part{%
19402 \ifnum \c@tocdepth >-2\relax
19403 \addpenalty{-\@highpenalty}%
19404 \addvspace{2.25em \@plus \p@}%
19405 \@regtocline{0}%
19406 \fi}
19407 \fi
19408 \if@oldtoc
19409 \renewcommand*\l@chapter[2]{%
19410 \addpenalty{-\@highpenalty}%
19411 \vskip 1.0em \@plus\p@
19412 \setlength\@tempdima{1.5em}%
19413 \begingroup
19414 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
19415 \parfillskip -\@pnumwidth

```



```

19416 \leavevmode \bfseries
19417 \advance\if@RTL\rightskip\else\leftskip\fi@tempdima
19418 \hskip -\if@RTL\rightskip\else\leftskip\fi
19419 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
19420 \penalty\@highpenalty
19421 \endgroup}
19422 \else
19423 \renewcommand*\l@chapter{\@regtocline{0}}
19424 \fi
19425 \renewcommand*\head@style{%
19426 \interlinepenalty \@M
19427 \hyphenpenalty=\@M \exhyphenpenalty=\@M
19428 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
19429 \if@titlepage
19430 \renewenvironment{abstract}{%
19431 \titlepage
19432 \null\vfil
19433 \section*{\SectFont\abstractname}%
19434 \noindent\ignorespaces}
19435 {\par\vfil\null\endtitlepage}
19436 \else
19437 \renewenvironment{abstract}{%
19438 \if@twocolumn
19439 \section*{\abstractname}%
19440 \else
19441 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
19442 \section*{\small\SectFont\abstractname}%
19443 \noindent\ignorespaces
19444 \fi}
19445 {\if@twocolumn\else\par\egroup\fi}
19446 \fi
19447 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
19448 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
19449 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
19450 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
19451 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
19452 \renewcommand*\thefigure{%
19453 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
19454 \renewcommand*\thetable{%
19455 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
19456 \renewcommand*\theequation{%
19457 \ifnum\c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
19458 \renewenvironment{thebibliography}[1]
19459 {\chapter*{\bibname}%
19460 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
19461 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19462 \bidi@thebibliography@font@hook%
19463 \list{\@biblabel{\@arabic\c@enumiv}}%
19464 {\settowidth\labelwidth{\@biblabel{#1}}%
19465 \leftmargin\labelwidth
19466 \advance\leftmargin\labelsep
19467 \@openbib@code
19468 \usecounter{enumiv}%
19469 \let\p@enumiv\@empty

```



```

19470         \renewcommand*\theenumiv{\@arabic\c@enumiv}}}%
19471         \sloppy\clubpenalty4000\widowpenalty4000%
19472         \sfcode`\.\@m}
19473     {\def\@noitemerr
19474       {\@latex@warning{Empty `thebibliography' environment}}}%
19475     \endlist}
19476 \renewcommand*\left@footnoterule{%
19477   \kern-3\p@
19478   \kern.5\baselineskip
19479   \hrule\@width\unitindent
19480   \kern.4\baselineskip
19481 }
19482 \renewcommand*\right@footnoterule{%
19483   \kern-3\p@
19484   \kern.5\baselineskip
19485   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
19486   \kern.4\baselineskip}
19487 \renewcommand*\head@style{%
19488   \interlinepenalty \@M
19489   \hyphenpenalty=\@M \exhyphenpenalty=\@M
19490   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

137 File refrep-xetex-bidi.def

```

19491 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
19492 \if@titlepage
19493   \renewcommand\maketitle{\begin{titlepage}%
19494     \let\footnotesize\small
19495     \let\right@footnoterule\relax
19496     \let\left@footnoterule\relax
19497     \let\textwidth@footnoterule\relax
19498     \let\footnote\thanks
19499     \let\LTRfootnote\LTRthanks
19500     \let\RTLfootnote\RTLthanks
19501     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
19502     \def\@makefnmark%
19503       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
19504     \long\def\@makefntext##1{%
19505       \setpar{\@@par
19506         \@tempdima = \hsize
19507         \advance\@tempdima -1em
19508         \parshape \@ne 1em \@tempdima}%
19509       \par\parindent 1em \noindent
19510       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\},##1}
19511     \null\vfil
19512     \vskip 60\p@
19513     \begin{center}%
19514       {\LARGE \@title \par}%
19515       \vskip 3em%
19516       {\large
19517         \lineskip .75em%
19518         \begin{tabular}[t]{c}%
19519           \@author
19520         \end{tabular}\par}%

```



```

19521     \vskip 1.5em%
19522     {\large \@date \par}%           % Set date in \large size.
19523 \end{center}\par
19524 \@thanks
19525 \vfil\null
19526 \end{titlepage}%
19527 \setcounter{footnote}{0}%
19528 \global\let\thanks\relax
19529 \global\let\LTRthanks\relax
19530 \global\let\RTLthanks\relax
19531 \global\let\maketitle\relax
19532 \global\let\@thanks\@empty
19533 \global\let\@author\@empty
19534 \global\let\@date\@empty
19535 \global\let\@title\@empty
19536 \global\let\title\relax
19537 \global\let\author\relax
19538 \global\let\date\relax
19539 \global\let\and\relax
19540 }
19541 \else
19542 \renewcommand\maketitle{\par
19543   \begingroup
19544     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
19545     \def\@makefnmark%
19546       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
19547     \long\def\@makefntext##1{%
19548       \@setpar{\@par
19549         \@tempdima = \hsize
19550         \advance\@tempdima -1em
19551         \parshape \@ne 1em \@tempdima}%
19552       \par\parindent 1em \noindent
19553       \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
19554     \if@twocolumn
19555       \ifnum \col@number=\@ne
19556         \@maketitle
19557       \else
19558         \twocolumn[\@maketitle]%
19559       \fi
19560     \else
19561       \newpage
19562       \global\@topnum\z@   % Prevents figures from going at top of page.
19563       \@maketitle
19564     \fi
19565     \thispagestyle{empty}\@thanks
19566   \endgroup
19567   \setcounter{footnote}{0}%
19568   \global\let\thanks\relax
19569   \global\let\LTRthanks\relax
19570   \global\let\RTLthanks\relax
19571   \global\let\maketitle\relax
19572   \global\let\@maketitle\relax
19573   \global\let\@thanks\@empty
19574   \global\let\@author\@empty

```



```

19575 \global\let\@date\@empty
19576 \global\let\@title\@empty
19577 \global\let\title\relax
19578 \global\let\author\relax
19579 \global\let\date\relax
19580 \global\let\and\relax
19581 }
19582 \def\@maketitle{%
19583   \newpage
19584   \null
19585   \longthickrule\vskip1.5em%
19586   \let \footnote \thanks
19587   \let \LTRfootnote \LTRthanks
19588   \let \RTLfootnote \RTLthanks
19589   {\secshape \parskip\z@ \parindent\z@
19590   \Large\bfseries \@title \par}%
19591   \vskip1.5em\longthickrule\vskip1.5em%
19592   {\normalsize
19593     \lineskip .5em%
19594     \begin{flushright}%
19595       {\slshape\@author\par}
19596       \vskip 1em%
19597       {\@date}%
19598     \end{flushright}\par}%
19599   \vskip 1.5em}
19600 \fi
19601 \renewcommand*\l@part[2]{%
19602   \ifnum \c@tocdepth >-2\relax
19603     \addpenalty{-\@highpenalty}%
19604     \addvspace{2.25em \@plus\p@}%
19605     \begingroup
19606       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19607       \parfillskip -\@pnumwidth
19608       {\leavevmode
19609         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
19610       \nobreak
19611       \global\@nobreaktrue
19612       \everypar{\global\@nobreakfalse\everypar{}}%
19613     \endgroup
19614   \fi}
19615 \renewcommand*\l@chapter[2]{%
19616   \ifnum \c@tocdepth >\m@ne
19617     \addpenalty{-\@highpenalty}%
19618     \vskip 1.0em \@plus\p@
19619     \setlength\@tempdima{1.5em}%
19620     \begingroup
19621       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19622       \parfillskip -\@pnumwidth
19623       \leavevmode \bfseries
19624       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
19625       \hskip -\if@RTL\rightskip\else\leftskip\fi
19626       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
19627       \penalty\@highpenalty
19628     \endgroup

```




```

19629 \fi}
19630 \renewcommand\secshape{\if@RTL\righskip\else\leftskip\fi=-\leftmarginwidth%
19631 \if@RTL\leftskip\else\righskip\fi=\@flushglue%
19632 \hyphenpenalty=2000}
19633 \renewcommand\left@footnoterule{%
19634 \kern-3\p@
19635 \hrule\@width.4\columnwidth
19636 \kern 2.6\p@}
19637 \renewcommand\right@footnoterule{%
19638 \kern-3\p@
19639 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
19640 \kern2.6\p@}
19641 \renewcommand\theequation
19642 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19643 \renewcommand\thefigure
19644 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
19645 \renewcommand\thetable%
19646 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
19647 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
19648 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
19649 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
19650 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
19651 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
19652 \renewenvironment{thebibliography}[1]
19653 {\chapter*{\bibname
19654 \mkboth{\bibname}{\bibname}}%
19655 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19656 \bidi@thebibliography@font@hook%
19657 \list{\@biblabel{\@arabic\c@enumiv}}%
19658 {\settowidth\labelwidth{\@biblabel{#1}}%
19659 \leftmargin\labelwidth
19660 \advance\leftmargin\labelsep
19661 \openbib@code
19662 \usecounter{enumiv}%
19663 \let\p@enumiv\@empty
19664 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
19665 \sloppy
19666 \clubpenalty4000
19667 \@clubpenalty \clubpenalty
19668 \widowpenalty4000%
19669 \sfcode`\.=\@m}
19670 {\def\@noitemerr
19671 {\@latex@warning{Empty `thebibliography' environment}}}%
19672 \endlist}

```

138 File report-xetex-bidi.def

```

19673 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
19674 \renewenvironment{theindex}
19675 {\if@twocolumn
19676 \@restonecolfalse
19677 \else
19678 \@restonecoltrue
19679 \fi

```



```

19680         \columnseprule \z@
19681         \columnsep 35\p@
19682         \twocolumn[\@makeschapterhead{\indexname}]%
19683         \@mkboth{\MakeUppercase\indexname}%
19684             {\MakeUppercase\indexname}%
19685         \thispagestyle{plain}\parindent\z@
19686         \parskip\z@ \@plus .3\p@\relax
19687         \let\item\@idxitem
19688         {\if@restonecol\onecolumn\else\clearpage\fi}
19689 \if@titlepage
19690 \renewcommand\maketitle{\begin{titlepage}%
19691 \let\footnotesize\small
19692 \let\right@footnoterule\relax
19693 \let\left@footnoterule\relax
19694 \let\textwidth\footnoterule\relax
19695 \let \footnote \thanks
19696 \let \LTRfootnote \LTRthanks
19697 \let \RTLfootnote \RTLthanks
19698 \null\vfil
19699 \vskip 60\p@
19700 \begin{center}%
19701     {\LARGE \@title \par}%
19702     \vskip 3em%
19703     {\large
19704       \lineskip .75em%
19705       \begin{tabular}[t]{c}%
19706         \@author
19707         \end{tabular}\par}%
19708     \vskip 1.5em%
19709     {\large \@date \par}%           % Set date in \large size.
19710 \end{center}\par
19711 \@thanks
19712 \vfil\null
19713 \end{titlepage}%
19714 \setcounter{footnote}{0}%
19715 \global\let\thanks\relax
19716 \global\let\LTRthanks\relax
19717 \global\let\RTLthanks\relax
19718 \global\let\maketitle\relax
19719 \global\let\@thanks\@empty
19720 \global\let\@author\@empty
19721 \global\let\@date\@empty
19722 \global\let\@title\@empty
19723 \global\let\title\relax
19724 \global\let\author\relax
19725 \global\let\date\relax
19726 \global\let\and\relax
19727 }
19728 \else
19729 \renewcommand\maketitle{\par
19730 \begingroup
19731   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
19732   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
19733   \long\def\@makefntext#1{\parindent 1em\noindent

```



```

19734         \hb@xt@1.8em{%
19735             \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
19736     \if@twocolumn
19737         \ifnum \col@number=\@ne
19738             \@maketitle
19739         \else
19740             \twocolumn[\@maketitle]%
19741         \fi
19742     \else
19743         \newpage
19744         \global\@topnum\z@    % Prevents figures from going at top of page.
19745         \@maketitle
19746     \fi
19747     \thispagestyle{plain}\@thanks
19748 \endgroup
19749 \setcounter{footnote}{0}%
19750 \global\let\thanks\relax
19751 \global\let\LTRthanks\relax
19752 \global\let\RTLthanks\relax
19753 \global\let\maketitle\relax
19754 \global\let\@maketitle\relax
19755 \global\let\@thanks\@empty
19756 \global\let\@author\@empty
19757 \global\let\@date\@empty
19758 \global\let\@title\@empty
19759 \global\let\title\relax
19760 \global\let\author\relax
19761 \global\let\date\relax
19762 \global\let\and\relax
19763 }
19764 \def\@maketitle{%
19765     \newpage
19766     \null
19767     \vskip 2em%
19768     \begin{center}%
19769         \let \footnote \thanks
19770         \let \LTRfootnote \LTRthanks
19771         \let \RTLfootnote \RTLthanks
19772         {\LARGE \@title \par}%
19773         \vskip 1.5em%
19774         {\large
19775             \lineskip .5em%
19776             \begin{tabular}[t]{c}%
19777                 \@author
19778             \end{tabular}\par}%
19779         \vskip 1em%
19780         {\large \@date}%
19781     \end{center}%
19782     \par
19783     \vskip 1.5em}
19784 \fi
19785 \renewcommand*\l@part[2]{%
19786     \ifnum \c@tocdepth >-2\relax
19787         \addpenalty{-\@highpenalty}%

```



```

19788 \addvspace{2.25em \@plus\p@}%
19789 \setlength\@tempdima{3em}%
19790 \begingroup
19791 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19792 \parfillskip -\@pnumwidth
19793 {\leavevmode
19794 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
19795 \nobreak
19796 \global\@nobreaktrue
19797 \everypar{\global\@nobreakfalse\everypar{}}%
19798 \endgroup
19799 \fi}
19800 \renewcommand*\l@chapter[2]{%
19801 \ifnum \c@tocdepth >\m@ne
19802 \addpenalty{-\@highpenalty}%
19803 \vskip 1.0em \@plus\p@
19804 \setlength\@tempdima{1.5em}%
19805 \begingroup
19806 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
19807 \parfillskip -\@pnumwidth
19808 \leavevmode \bfseries
19809 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
19810 \hskip -\if@RTL\rightskip\else\leftskip\fi
19811 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
19812 \penalty\@highpenalty
19813 \endgroup
19814 \fi}
19815 \renewcommand\left@footnoterule{%
19816 \kern-3\p@
19817 \hrule\@width.4\columnwidth
19818 \kern2.6\p@}
19819 \renewcommand\right@footnoterule{%
19820 \kern-3\p@
19821 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
19822 \kern2.6\p@}
19823 \renewcommand\theequation
19824 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19825 \renewcommand \thefigure
19826 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
19827 \renewcommand \thetable
19828 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
19829 \renewcommand \thechapter {\@arabic\c@chapter}
19830 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
19831 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
19832 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
19833 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
19834 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
19835 \def\@makechapterhead#1{%
19836 \vspace*{50\p@}%
19837 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
19838 \ifnum \c@secnumdepth >\m@ne
19839 \huge\bfseries \@chapapp\space \thechapter
19840 \par\nobreak
19841 \vskip 20\p@

```



```

19842 \fi
19843 \interlinepenalty\@M
19844 \Huge \bfseries #1\par\nobreak
19845 \vskip 40\p@
19846 }}
19847 \def\@makeschapterhead#1{%
19848 \vspace*{50\p@}%
19849 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
19850 \normalfont
19851 \interlinepenalty\@M
19852 \Huge \bfseries #1\par\nobreak
19853 \vskip 40\p@
19854 }}
19855 \renewenvironment{thebibliography}[1]
19856 {\chapter*{\bibname}%
19857 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
19858 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19859 \bidi@thebibliography@font@hook%
19860 \list{\@biblabel{\@arabic{c@enumiv}}}%
19861 {\settowidth\labelwidth{\@biblabel{#1}}%
19862 \leftmargin\labelwidth
19863 \advance\leftmargin\labelsep
19864 \@openbib@code
19865 \usecounter{enumiv}%
19866 \let\p@enumiv\@empty
19867 \renewcommand\theenumiv{\@arabic{c@enumiv}}%
19868 \sloppy
19869 \clubpenalty4000
19870 \@clubpenalty \clubpenalty
19871 \widowpenalty4000%
19872 \sfcode`. \. \@m}
19873 {\def\@noitemerr
19874 {\@latex@warning{Empty `thebibliography' environment}}}%
19875 \endlist}

```

139 File rotating-xetex-bidi.def

```

19876 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
19877 \def\end@rotfloat{%
19878 \end{minipage}\end{lrbox}%
19879 \stepcounter{r@tfl@t}%
19880 \rot@label{RF\ther@tfl@t}%
19881 \rot@pageref{RF\ther@tfl@t}{\R@page}%
19882 \edef\@tempa{Adding sideways \capttype\space on page \R@page\space}
19883 \rot@mess@toks\expandafter{\@tempa}
19884 \wd\rot@float@box\z@
19885 \ht\rot@float@box\z@
19886 \dp\rot@float@box\z@
19887 \vboxL to \textheight{%
19888 \setkeys{Grot}{units=360}%
19889 \if@rot@twoside
19890 \else
19891 \let\R@page\rot@LR
19892 \fi

```



```

19893 \ifthenelse{\isodd{\R@@page}}{%
19894 \if@rot@twoside
19895 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
19896 \fi
19897 \vfill
19898 \@@line{%
19899 \hskip\rotFPtop
19900 \rotatebox{90}{\box\rot@float@box}%
19901 \hskip\rotFPbot
19902 }%
19903 }{%
19904 \if@rot@twoside
19905 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
19906 \fi
19907 \@@line{%
19908 \hskip\rotFPbot
19909 \rotatebox{-90}{\box\rot@float@box}%
19910 \hskip\rotFPtop
19911 }%
19912 \vfill
19913 }%
19914 \rot@message{\the\rot@mess@toks}
19915 }%
19916 \end@float
19917 }
19918 \let\endsidewaysfigure\end@rotfloat
19919 \let\endsidewaysstable\end@rotfloat
19920 \def\end@rotdblfloat{%
19921 \end{minipage}\end{lrbox}%
19922 \stepcounter{r@tfl@t}%
19923 \rot@label{RF\ther@tfl@t}%
19924 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
19925 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
19926 \rot@mess@toks\expandafter{\@tempa}
19927 \@tempdima\ht\rot@float@box
19928 \advance\@tempdima by \dp\rot@float@box
19929 \wd\rot@float@box\z@
19930 \ht\rot@float@box\z@
19931 \dp\rot@float@box\z@
19932 \vboxL to \textheight{%
19933 \setkeys{Grot}{units=360}%
19934 \if@rot@twoside
19935 \else
19936 \let\R@@page\rot@LR
19937 \fi
19938 \ifthenelse{\isodd{\R@@page}}{%
19939 \ifrot@messages
19940 \if@rot@twoside
19941 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
19942 \fi
19943 \fi
19944 \vfill
19945 \@@line{%
19946 \hskip\rotFPtop

```



```

19947         \rotatebox{90}{\box\rot@float@box}%
19948         \hskip\rotFPbot
19949     }%
19950 }{%
19951     \ifrot@messages
19952     \if@rot@twoside
19953     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
19954 \fi
19955     \fi%
19956     \@@line{%
19957         \hskip\rotFPbot
19958         \rotatebox{-90}{\box\rot@float@box}%
19959         \hskip\rotFPtop
19960     }%
19961     \vfill
19962 }%
19963     \rot@message{\the\rot@mess@toks}%
19964 }%
19965 \end@dblfloat
19966 }
19967 \def\turn#1{%
19968     \Grot@setangle{#1}%
19969     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
19970 \def\endturn{%
19971     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
19972     \unskip\color@endbox
19973     \Grot@x\z@
19974     \Grot@y\z@
19975     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19976 }
19977 \def\rotate#1{%
19978     \Grot@setangle{#1}%
19979     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
19980 \def\endrotate{%
19981     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
19982     \unskip\color@endbox
19983     \Grot@x\z@
19984     \Grot@y\z@
19985     \wd0\z@\dp0\z@\ht0\z@
19986     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19987 }
19988 \def\turnbox#1#2{%
19989     \Grot@setangle{#1}%
19990     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
19991     \Grot@x\z@\Grot@y\z@
19992     \wd0\z@\dp0\z@\ht0\z@
19993     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
19994 }
19995 \def\sideways{%
19996     \Grot@setangle{90}%
19997     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
19998 \def\endsideways{%
19999     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
20000     \unskip\color@endbox

```



```

20001 \Grot@x\z@
20002 \Grot@y\z@
20003 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
20004 }

```

140 File scrartcl-xetex-bidi.def

```

20005 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
20006 \newcommand{\scr@saved@LTRfootnotetext}{}
20007 \newcommand{\scr@saved@RTLfootnotetext}{}
20008 \let\scr@saved@footnotetext\@footnotetext
20009 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
20010 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
20011 \renewcommand{\@footnotetext}[1]{%
20012   \scr@saved@footnotetext{#1}%
20013   \csname FN@mfb@prepare\endcsname
20014 }
20015 \renewcommand{\@LTRfootnotetext}[1]{%
20016   \scr@saved@LTRfootnotetext{#1}%
20017   \csname FN@mfb@prepare\endcsname
20018 }
20019 \renewcommand{\@RTLfootnotetext}[1]{%
20020   \scr@saved@RTLfootnotetext{#1}%
20021   \csname FN@mfb@prepare\endcsname
20022 }
20023 \renewcommand\deffootnote[4][1]{%
20024   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
20025     \long\def\@makefnmark##1{%
20026       \ExecuteDoHook{footnote/text/begin}%
20027       \raggedfootnote
20028       \if@RTL
20029         \rightskip
20030       \else
20031         \leftskip
20032       \fi
20033       #2
20034       \l@addto@macro\@trivlist{%
20035         \ifnum\@listdepth=\@ne
20036           \if@RTL
20037             \advance\rightmargin #2\relax
20038           \else
20039             \advance\leftmargin #2\relax
20040           \fi
20041         \fi
20042       }%
20043       \parindent #3\noindent
20044       \IfArgIsEmpty{#1}{}{
20045         \hskip \dimexpr #1-#2\relax
20046       }%
20047       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20048       \ExecuteDoHook{footnote/text/end}%
20049     }%
20050 \else
20051   \ClassInfo{\KOMAClassName}{%

```




```

20052      Using old \string\@makefnmark\space due to compatibility
20053      level\MessageBreak
20054      less than 3.22}%
20055      \long\def\@makefnmark##1{%
20056      \setlength{\@tempdimc}{#3}%
20057      \def\@tempa{#1}\ifx\@tempa\@empty
20058      \setpar{\@par
20059      \@tempdima = \hsize
20060      \addtolength{\@tempdima}{-#2}%
20061      \if@RTL
20062      \parshape \@ne \z@ \@tempdima
20063      \else
20064      \parshape \@ne #2 \@tempdima
20065      \fi}%
20066      \else
20067      \addtolength{\@tempdimc}{#2}%
20068      \addtolength{\@tempdimc}{-#1}%
20069      \setpar{\@par
20070      \@tempdima = \hsize
20071      \addtolength{\@tempdima}{-#1}%
20072      \@tempdimb = \hsize
20073      \addtolength{\@tempdimb}{-#2}%
20074      \if@RTL
20075      \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
20076      \else
20077      \parshape \tw@ #1 \@tempdima #2 \@tempdimb
20078      \fi
20079      }%
20080      \fi
20081      \par
20082      \parindent\@tempdimc\noindent
20083      \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20084      }%
20085      \fi
20086      \def\@makefnmark{\hbox{\ftn@font{#4}}}%
20087      }
20088      \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
20089      \renewcommand*\left@footnoterule{%
20090      \normalsize\ftn@rule@test@values
20091      \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
20092      \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20093      {\usekomafont{footnoterule}{%
20094      \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
20095      \kern 2.6\p}
20096      \renewcommand*\right@footnoterule{%
20097      \normalsize\ftn@rule@test@values
20098      \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
20099      \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20100      {\usekomafont{footnoterule}{%
20101      \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
20102      \kern 2.6\p}
20103      \renewcommand*\maketitle[1][1]{%
20104      \expandafter\ifnum \csname scr@v3.12\endcsname>\scr@compatibility\relax
20105      \else

```



```

20106 \def\and{%
20107 \end{tabular}%
20108 \hskip 1em \@plus.17fil%
20109 \begin{tabular}[t]{c}%
20110 }%
20111 \fi
20112 \if@titlepage
20113 \begin{titlepage}
20114 \setcounter{page}{%
20115 #1%
20116 }%
20117 \if@titlepageiscoverpage
20118 \edef\titlename@restore{%
20119 \noexpand\endgroup
20120 \noexpand\global\noexpand\@colht\the\@colht
20121 \noexpand\global\noexpand\@colroom\the\@colroom
20122 \noexpand\global\vsizethe\vsizethe
20123 \noexpand\global\noexpand\@titlepageiscoverpagefalse
20124 \noexpand\let\noexpand\titlename@restore\noexpand\relax
20125 }%
20126 \begin{group}
20127 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
20128 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
20129 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
20130 \textwidth=\dimexpr
20131 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
20132 \textheight=\dimexpr
20133 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
20134 \headheight=0pt
20135 \headsep=0pt
20136 \footskip=\baselineskip
20137 \@colht=\textheight
20138 \@colroom=\textheight
20139 \vsizethe\textheight
20140 \columnwidth=\textwidth
20141 \hsize=\columnwidth
20142 \linewidth=\hsize
20143 \else
20144 \let\titlename@restore\relax
20145 \fi
20146 \let\footnotesize\small
20147 \let\right@footnoterule\relax
20148 \let\left@footnoterule\relax
20149 \let\textwidth@footnoterule\relax
20150 \let\footnote\thanks
20151 \let\LTRfootnote\LTRthanks
20152 \let\RTLfootnote\RTLthanks
20153 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20154 \let\@oldmakefnmark\@makefnmark
20155 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
20156 \ifx\@extratitle\@empty
20157 \ifx\@frontispiece\@empty
20158 \else
20159 \if@twoside\mbox{}\next@tpage\fi

```



```

20160         \noindent\@frontispiece\next@tdpage
20161     \fi
20162 \else
20163     \noindent\@extratitle
20164     \ifx\@frontispiece\@empty
20165     \else
20166         \next@tpage
20167         \noindent\@frontispiece
20168     \fi
20169     \next@tdpage
20170 \fi
20171 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
20172 \ifx\@titlehead\@empty \else
20173     \begin{minipage}[t]{\textwidth}%
20174         \usekomafont{titlehead}{\@titlehead\par}%
20175     \end{minipage}\par
20176 \fi
20177 \null\vfill
20178 \begin{center}
20179     \ifx\@subject\@empty \else
20180         {\usekomafont{subject}{\@subject\par}}%
20181         \vskip 3em
20182     \fi
20183     {\usekomafont{title}{\huge \@title\par}}%
20184     \vskip 1em
20185     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
20186     \vskip 2em
20187     {%
20188         \usekomafont{author}{%
20189             \lineskip 0.75em
20190             \begin{tabular}[t]{c}
20191                 \@author
20192             \end{tabular}\par
20193         }%
20194     }%
20195     \vskip 1.5em
20196     {\usekomafont{date}{\@date \par}}%
20197     \vskip \z@ \@plus3fill
20198     {\usekomafont{publishers}{\@publishers \par}}%
20199     \vskip 3em
20200 \end{center}\par
20201 \@thanks\global\let\@thanks\@empty
20202 \vfill\null
20203 \if@twoside
20204     \@tempwatrue
20205     \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
20206     \else
20207         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
20208             \@tempwafalse
20209         \fi\fi
20210     \fi
20211     \if@tempswa
20212         \next@tpage
20213         \begin{minipage}[t]{\textwidth}

```



```

20214         \@uppertitleback
20215     \end{minipage}\par
20216     \vfill
20217     \begin{minipage}[b]{\textwidth}
20218         \@lowertitleback
20219     \end{minipage}\par
20220     \@thanks\global\let\@thanks\@empty
20221 \fi
20222 \else
20223     \ifx\@uppertitleback\@empty\else
20224         \ClassWarning{\KOMAClassName}{%
20225             non empty \string\uppertitleback\space ignored
20226             by \string\maketitle\MessageBreak
20227             in `twoside=false' mode%
20228         }%
20229     \fi
20230     \ifx\@lowertitleback\@empty\else
20231         \ClassWarning{\KOMAClassName}{%
20232             non empty \string\lowertitleback\space ignored
20233             by \string\maketitle\MessageBreak
20234             in `twoside=false' mode%
20235         }%
20236     \fi
20237 \fi
20238 \ifx\@dedication\@empty
20239 \else
20240     \next@tdpage\null\vfill
20241     {\centering\usekomafont{dedication}{\@dedication \par}}%
20242     \vskip \z@ \@plus3fill
20243     \@thanks\global\let\@thanks\@empty
20244     \cleardoubleemptypage
20245 \fi
20246 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
20247 \end{titlepage}
20248 \else
20249     \par
20250     \@tempcnta=%
20251     #1%
20252     \relax\ifnum\@tempcnta=1\else
20253         \ClassWarning{\KOMAClassName}{%
20254             Optional argument of \string\maketitle\space ignored\MessageBreak
20255             in `titlepage=false' mode%
20256         }%
20257     \fi
20258     \ifx\@uppertitleback\@empty\else
20259         \ClassWarning{\KOMAClassName}{%
20260             non empty \string\uppertitleback\space ignored
20261             by \string\maketitle\MessageBreak
20262             in `titlepage=false' mode%
20263         }%
20264     \fi
20265     \ifx\@lowertitleback\@empty\else
20266         \ClassWarning{\KOMAClassName}{%
20267             non empty \string\lowertitleback\space ignored

```



```

20268         by \string\maketitle\MessageBreak
20269         in `titlepage=false' mode%
20270     }%
20271 \fi
20272 \begingroup
20273     \let\titlepage@restore\relax
20274     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20275     \let\@oldmakefnmark\@makefnmark
20276     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
20277     \next@tdpage
20278     \if@twocolumn
20279         \ifnum \col@number=\@one
20280             \ifx\@extratitle\@empty
20281                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20282             \else
20283                 \@makeextratitle
20284             \fi
20285             \ifx\@frontispiece\@empty
20286                 \ifx\@extratitle\@empty\else\next@tdpage\fi
20287             \else
20288                 \next@tpage
20289                 \@makefrontispiece
20290                 \next@tdpage
20291             \fi
20292             \@maketitle
20293         \else
20294             \ifx\@extratitle\@empty
20295                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20296             \else
20297                 \twocolumn[\@makeextratitle]%
20298             \fi
20299             \ifx\@frontispiece\@empty
20300                 \ifx\@extratitle\@empty\else\next@tdpage\fi
20301             \else
20302                 \next@tpage
20303                 \twocolumn[\@makefrontispiece]%
20304                 \next@tdpage
20305             \fi
20306             \twocolumn[\@maketitle]%
20307         \fi
20308     \else
20309         \ifx\@extratitle\@empty
20310             \ifx\@frontispiece\@empty\else \mbox{}\fi
20311         \else
20312             \@makeextratitle
20313         \fi
20314         \ifx\@frontispiece\@empty
20315             \ifx\@extratitle\@empty\else\next@tdpage\fi
20316         \else
20317             \next@tpage
20318             \@makefrontispiece
20319             \next@tdpage
20320         \fi
20321         \@maketitle

```



```

20322 \fi
20323 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
20324 \@thanks\global\let\@thanks\@empty
20325 \endgroup
20326 \fi
20327 \setcounter{footnote}{0}%
20328 \expandafter\ifnum \cscname scr@v@3.12\endcsname>\scr@compatibility\relax
20329 \let\thanks\relax
20330 \let\LTRthanks\relax
20331 \let\RTLthanks\relax
20332 \let\maketitle\relax
20333 \let\@maketitle\relax
20334 \global\let\@thanks\@empty
20335 \global\let\@author\@empty
20336 \global\let\@date\@empty
20337 \global\let\@title\@empty
20338 \global\let\@subtitle\@empty
20339 \global\let\@extratitle\@empty
20340 \global\let\@frontispiece\@empty
20341 \global\let\@titlehead\@empty
20342 \global\let\@subject\@empty
20343 \global\let\@publishers\@empty
20344 \global\let\@uppertitleback\@empty
20345 \global\let\@lowertitleback\@empty
20346 \global\let\@dedication\@empty
20347 \global\let\author\relax
20348 \global\let\title\relax
20349 \global\let\extratitle\relax
20350 \global\let\titlehead\relax
20351 \global\let\subject\relax
20352 \global\let\publishers\relax
20353 \global\let\uppertitleback\relax
20354 \global\let\lowertitleback\relax
20355 \global\let\dedication\relax
20356 \global\let\date\relax
20357 \fi
20358 \global\let\and\relax
20359 }%
20360 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
20361 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
20362 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
20363 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
20364 \renewcommand*{\thesubsubsection}{%
20365 \thesubsection\@SepMark\@arabic\c@subsubsection
20366 }
20367 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20368 \renewcommand*{\thesubparagraph}{%
20369 \theparagraph\@SepMark\@arabic\c@subparagraph
20370 }
20371 \renewenvironment{thebibliography}[1]{%
20372 \if@bib@break@
20373 \bib@beginhook
20374 \else
20375 \bib@heading

```



```

20376 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
20377 \noindent\bibpreamble\par\nobreak
20378 \fi\fi
20379 \bib@beginhook
20380 \bib@before@hook
20381 \fi
20382 \renewcommand{\BreakBibliography}[1]{%
20383 \@bib@break
20384 \end{thebibliography}%
20385 \begingroup ##1\endgroup
20386 \begin{thebibliography}{#1}
20387 }%
20388 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20389 \bidi@thebibliography@font@hook%
20390 \list{%
20391 \@biblabel{\@arabic\c@enumiv}%
20392 }{%
20393 \settowidth\labelwidth{\@biblabel{#1}}%
20394 \leftmargin\labelwidth
20395 \advance\leftmargin\labelsep
20396 \@openbib@code
20397 \if@bib@break@
20398 \edef\@tempa{%
20399 \noexpand\usecounter{enumiv}%
20400 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
20401 }\@tempa
20402 \no@bib@break
20403 \else
20404 \usecounter{enumiv}%
20405 \fi
20406 \let\p@enumiv\@empty
20407 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
20408 }%
20409 \sloppy\clubpenalty4000 \widowpenalty4000
20410 \sfcode`\.=\@m
20411 }{%
20412 \if@bib@break@
20413 \def\@noitemerr{%
20414 \@latex@warning{%
20415 \string\BreakBibliography\space at begin of `thebibliography'
20416 environment\MessageBreak
20417 or following \string\BreakBibliography}%
20418 }%
20419 \else
20420 \def\@noitemerr{%
20421 \@latex@warning{%
20422 Empty `thebibliography' environment or
20423 \string\BreakBibliography\MessageBreak
20424 before end of `thebibliography' environment}%
20425 }%
20426 \fi
20427 \endlist
20428 \if@bib@break@
20429 \else

```



```

20430 \bib@after@hook
20431 \let\bib@before@hook\@empty
20432 \let\bib@after@hook\@empty
20433 \fi
20434 \bib@endhook
20435 }
20436 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
20437 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
20438 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
20439 \renewcommand\marginline[1]{%
20440 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
20441 }
20442 \renewcommand{\@makecaption}[3]{%
20443 \cap@margin
20444 \beginingroup
20445 \ifonelinecaptions
20446 \def\stepcounter##1{\advance\value{##1}\@ne}%
20447 \let\refstepcounter\stepcounter
20448 \let\label\@gobble
20449 \let\@footnotetext=\@gobble
20450 \let\@LTRfootnotetext=\@gobble
20451 \let\@RTLfootnotetext=\@gobble
20452 \let\hypertarget\@gobbletwo
20453 \edef\@xnewline{%
20454 \unexpanded{\ClassInfo{\KOMAClassName}{%
20455 Workaround for not recommended usage of \string\\ or\MessageBreak
20456 \string\newline in caption text
20457 }%
20458 \hspace*{\linewidth}\hspace{1sp}%
20459 }%
20460 \unexpanded\expandafter{\@xnewline}%
20461 }%
20462 \edef\@xcentercr{%
20463 \unexpanded{\ClassInfo{\KOMAClassName}{%
20464 Workaround for not recommended usage of \string\\ or\MessageBreak
20465 \string\newline in caption text
20466 }%
20467 \hspace*{\linewidth}\hspace{1sp}%
20468 }%
20469 \unexpanded\expandafter{\@xcentercr}%
20470 }%
20471 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
20472 \ifdim\@tempdima>\cap@width
20473 \aftergroup\scr@makemultilinecaption
20474 \else
20475 \aftergroup\scr@makesinglelinecaption
20476 \fi
20477 \else
20478 \aftergroup\scr@makemultilinecaption
20479 \fi
20480 \endgroup
20481 {#1}{#2}{#3}%
20482 }
20483 \renewcommand{\scr@makesinglelinecaption}[3]{%

```




```

20484 {%
20485   \usefontofkomafont{caption}{%
20486     \hb@xt@\hsize{%
20487       \cap@left
20488       \if@RTL
20489         \beginR
20490         \fi
20491       \scr@@makesinglelinecaption{#1}{#2}{#3}%
20492       \if@RTL
20493         \endR
20494       \fi
20495     \cap@right
20496   }\par\kern\dp\strutbox%
20497 }%
20498 }\kern-\dp\strutbox
20499 }
20500 \renewcommand{\@makecaption}[2]{%
20501   \if@captionabove
20502     \vskip\belowcaptionskip
20503   \else
20504     \vskip\abovecaptionskip
20505   \fi
20506   \@makecaption\@firstofone{#1}{#2}%
20507   \if@captionabove
20508     \vskip\abovecaptionskip
20509   \else
20510     \vskip\belowcaptionskip
20511   \fi
20512 }
20513
20514 \renewcommand{\scr@@makesinglelinecaption}[3]{%
20515   {\usekomafont{caption}{\strut\ignorespaces
20516     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
20517   \ignorespaces #3\unskip}}%
20518 }
20519
20520 \renewcommand{\scr@makemultilinecaption}[3]{%
20521   {%
20522     \usefontofkomafont{caption}{%
20523       \hb@xt@\hsize{%
20524         \cap@left
20525         \vbox{\hsize\cap@width\linewidth\hsize
20526           \scr@ifundefinedorrelax{@captive}{%
20527             \ClassWarning{\KOMAClassName}{%
20528               `\'string\caption' outside float.\MessageBreak
20529               Seems you are using `\'string\caption' outside a
20530               float.\MessageBreak
20531               Maybe you are using a package that uses
20532               `\'string\@makecaption'\MessageBreak
20533               without setting `\'string\@captive' before.\MessageBreak
20534               Because I cannot detect the caption type, I'm using\MessageBreak
20535               the empty one.%
20536             }%
20537             \let\@captive\empty

```



```

20538 }{}%
20539 \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
20540 \@nameuse{ragged\@captype caption}%
20541 }%
20542 \ifdofullc@p
20543 \@hangfrom{%
20544 \strut
20545 \scr@smashdp{%
20546 #1{%
20547 \usekomafont{caption}{%
20548 \usekomafont{captionlabel}{#2\captionformat}%
20549 }%
20550 }%
20551 }%
20552 }%
20553 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20554 \else
20555 \ifdim\cap@indent<\z@
20556 \strut
20557 #1{%
20558 {\usekomafont{caption}{%
20559 \usekomafont{captionlabel}{#2\captionformat}%
20560 }%
20561 }\par}%
20562 \noindent{{\usekomafont{caption}{%
20563 \hspace*{-\cap@indent}#3\scr@endstrut
20564 }}\par}%
20565 \else
20566 \if@capbreak
20567 \strut
20568 #1{%
20569 {\usekomafont{caption}{%
20570 \usekomafont{captionlabel}{#2\captionformat}%
20571 }%
20572 }\par}%
20573 \noindent\@hangfrom{\hspace*{\cap@indent}}%
20574 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20575 \else
20576 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
20577 {%
20578 \hspace{-\cap@indent}%
20579 \scr@smashdp{%
20580 #1{\usekomafont{caption}{%
20581 \usekomafont{captionlabel}{#2\captionformat}%
20582 }%
20583 }%
20584 }%
20585 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20586 }%
20587 \fi
20588 \fi
20589 \fi
20590 }%
20591 \cap@right

```



```

20592     }\par\kern\dp\strutbox
20593   }%
20594 }\kern-\dp\strutbox
20595 }
20596
20597 \bidi@AfterFile{longtable-xetex-bidi.def}{%
20598   \if@komalongtable
20599     \renewcommand{\LT@makecaption}[3]{%
20600       \noalign{%
20601         \if@captionabove
20602           \vskip\belowcaptionskip
20603         \else
20604           \vskip\abovecaptionskip
20605         \fi
20606       }%
20607       \LT@mcol\LT@cols c{%
20608         \hbox to\z@{\hss\parbox[t]{\linewidth{%
20609           \def\@capytype{table}%
20610           \@makecaption{#1}{#2}{#3}%
20611           \endgraf
20612           \if@captionabove
20613             \vskip\abovecaptionskip
20614           \else
20615             \vskip\belowcaptionskip
20616           \fi
20617         }%
20618         \hss
20619       }%
20620     }%
20621   }%
20622   \renewcommand*{\scr@LT@array}{}%
20623   \let\scr@LT@array=\LT@array
20624   \renewcommand*{\LT@array}{%
20625     \let\scr@caption=\LT@caption
20626     \def\captionabove{\noalign{\global\@captionabovetrue}%
20627       \scr@caption}%
20628     \def\captionbelow{\noalign{\global\@captionabovefalse}%
20629       \scr@caption}%
20630     \if@tablecaptionabove
20631       \let\LT@caption=\captionabove
20632     \else
20633       \let\LT@caption=\captionbelow
20634     \fi
20635     \scr@LT@array
20636   }%
20637   \ClassInfo{\KOMAClassName}{%
20638     longtable captions redefined%
20639   }%
20640   \fi
20641 }
20642
20643 \CloneTOCEntryStyle{tocline}{part}
20644 \TOCEntryStyleStartInitCode{part}{%
20645   \expandafter\renewcommand%

```



```

20646 \csname scr@tso@#1@linefill\endcsname{\hfill}%
20647 \expandafter\renewcommand%
20648 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
20649 \expandafter\renewcommand%
20650 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20651   {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
20652 \expandafter\renewcommand\expandafter*%
20653 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
20654 }
20655
20656 \CloneTOCEntryStyle{tocline}{section}
20657 \TOCEntryStyleStartInitCode{section}{%
20658   \expandafter\renewcommand%
20659   \csname scr@tso@#1@linefill\endcsname{%
20660     \if@sectionentrywithdots
20661       {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
20662     \else
20663       \hfill
20664     \fi
20665   }%
20666   \expandafter\renewcommand%
20667   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
20668   \expandafter\renewcommand%
20669   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
20670     \expandafter\renewcommand\expandafter*%
20671     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
20672   }
20673
20674 \CloneTOCEntryStyle{tocline}{subsection}
20675 \TOCEntryStyleStartInitCode{subsection}{%
20676   \expandafter\renewcommand%
20677   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20678   \expandafter\renewcommand%
20679   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20680     {\normalfont\normalcolor ##1}}%
20681 }
20682
20683 \CloneTOCEntryStyle{subsection}{default}
20684
20685 \DeclareSectionCommand[%
20686   style=section,%
20687   level=1,%
20688   indent=\z@,%
20689   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
20690   afterskip=2.3ex \@plus.2ex,%
20691   tocstyle=section,%
20692   tocindent=0pt,%
20693   tocnumwidth=1.5em%
20694 ]{section}
20695 \DeclareSectionCommand[%
20696   style=part,%
20697   level=\z@,%
20698   tocstyle=part,%
20699   toplevel=\m@ne,%

```



```

20700   tocindent=\z@,%
20701   tocnumwidth=2em%
20702 ]{part}
20703 \DeclareSectionCommand[%
20704   style=section,%
20705   level=2,%
20706   indent=\z@,%
20707   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20708   afterskip=1.5ex \@plus .2ex,%
20709   tocstyle=subsection,%
20710   tocindent=1.5em,%
20711   tocnumwidth=2.3em%
20712 ]{subsection}
20713 \DeclareSectionCommand[%
20714   style=section,%
20715   level=3,%
20716   indent=\z@,%
20717   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20718   afterskip=1.5ex \@plus .2ex,%
20719   tocstyle=subsection,%
20720   tocindent=3.8em,%
20721   tocnumwidth=3.2em%
20722 ]{subsubsection}
20723 \DeclareSectionCommand[%
20724   style=section,%
20725   level=4,%
20726   indent=\z@,%
20727   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
20728   afterskip=-1em,%
20729   tocstyle=subsection,%
20730   tocindentfollows=subsubsection,%
20731   tocindent=7.0em,%
20732   tocnumwidth=4.1em%
20733 ]{paragraph}
20734 \DeclareSectionCommand[%
20735   style=section,%
20736   level=5,%
20737   indent=\scr@parindent,%
20738   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
20739   afterskip=-1em,%
20740   tocstyle=subsection,%
20741   tocindent=10em,%
20742   tocnumwidth=5em%
20743 ]{subparagraph}

```

141 File scrbook-xetex-bidi.def

```

20744 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
20745 \newcommand{\scr@saved@LTRfootnotetext}{}
20746 \newcommand{\scr@saved@RTLfootnotetext}{}
20747 \let\scr@saved@footnotetext\@footnotetext
20748 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
20749 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
20750 \renewcommand{\@footnotetext}[1]{%

```



```

20751 \scr@saved@footnotetext{#1}%
20752 \csname FN@mf@prepare\endcsname
20753 }
20754 \renewcommand{\@LTRfootnotetext}[1]{%
20755 \scr@saved@LTRfootnotetext{#1}%
20756 \csname FN@mf@prepare\endcsname
20757 }
20758 \renewcommand{\@RTLfootnotetext}[1]{%
20759 \scr@saved@RTLfootnotetext{#1}%
20760 \csname FN@mf@prepare\endcsname
20761 }
20762 \renewcommand\deffootnote[4][1]{%
20763 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
20764 \long\def\@makefntext##1{%
20765 \ExecuteDoHook{footnote/text/begin}%
20766 \raggedfootnote
20767 \if@RTL
20768 \rightskip
20769 \else
20770 \leftskip
20771 \fi
20772 #2
20773 \l@addto@macro\@trivlist{%
20774 \ifnum\@listdepth=\@ne\advance
20775 \if@RTL
20776 \rightmargin #2\relax
20777 \else
20778 \leftmargin #2\relax
20779 \fi
20780 \fi
20781 }%
20782 \parindent #3\noindent
20783 \IfArgIsEmpty{#1}{-}{%
20784 \hskip \dimexpr #1-#2\relax
20785 }%
20786 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20787 \ExecuteDoHook{footnote/text/end}%
20788 }%
20789 \else
20790 \ClassInfo{\KOMAClassName}{%
20791 Using old \string\@makefntext\space due to compatibility
20792 level\MessageBreak
20793 less than 3.22}%
20794 \long\def\@makefntext##1{%
20795 \setlength{\@tempdimc}{#3}%
20796 \def\@tempa{#1}\ifx\@tempa\@empty
20797 \setpar{\@par
20798 \@tempdima = \hsize
20799 \addtolength{\@tempdima}{-#2}%
20800 \if@RTL
20801 \parshape \@ne \z@ \@tempdima
20802 \else
20803 \parshape \@ne #2 \@tempdima
20804 \fi

```



```

20805         }%
20806     \else
20807         \addtolength{\@tempdimc}{#2}%
20808         \addtolength{\@tempdimc}{-#1}%
20809         \@setpar{\@par
20810             \@tempdima = \hsize
20811             \addtolength{\@tempdima}{-#1}%
20812             \@tempdimb = \hsize
20813             \addtolength{\@tempdimb}{-#2}%
20814             \if@RTL
20815                 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
20816             \else
20817                 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
20818             \fi
20819         }%
20820     \fi
20821     \par
20822     \parindent\@tempdimc\noindent
20823     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20824 }%
20825 \fi
20826 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
20827 }
20828 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
20829 \renewcommand*\left@footnoterule{%
20830     \normalsize\ftn@rule@test@values
20831     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
20832     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20833     {\usekomafont{footnoterule}{%
20834         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
20835     \kern 2.6\p@}
20836 \renewcommand*\right@footnoterule{%
20837     \normalsize\ftn@rule@test@values
20838     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
20839     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20840     {\usekomafont{footnoterule}{%
20841         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
20842         \kern 2.6\p@}
20843     \renewcommand*\maketitle[1][1]{%
20844         \expandafter\ifnum \csname scr@v3.12\endcsname>\scr@compatibility\relax
20845         \else
20846             \def\and{%
20847                 \end{tabular}%
20848                 \hspace 1em \@plus.17fil%
20849                 \begin{tabular}[t]{c}%
20850             }%
20851         \fi
20852         \if@titlepage
20853             \begin{titlepage}
20854                 \setcounter{page}{%
20855                     #1%
20856                 }%
20857             \if@titlepageiscoverpage
20858                 \edef\titlepage@restore{%

```



```

20859         \noexpand\endgroup
20860         \noexpand\global\noexpand\@colht\the\@colht
20861         \noexpand\global\noexpand\@colroom\the\@colroom
20862         \noexpand\global\vsizethe\vsizethe
20863         \noexpand\global\noexpand\@titlepageiscoverpagefalse
20864         \noexpand\let\noexpand\titlepage@restore\noexpand\relax
20865     }%
20866     \begingroup
20867     \topmargin=\dimexpr \coverpagetopmargin-1in\relax
20868     \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
20869     \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
20870     \textwidth=\dimexpr
20871     \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
20872     \textheight=\dimexpr
20873     \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
20874     \headheight=0pt
20875     \headsep=0pt
20876     \footskip=\baselineskip
20877     \@colht=\textheight
20878     \@colroom=\textheight
20879     \vsizethe=\textheight
20880     \columnwidth=\textwidth
20881     \hsize=\columnwidth
20882     \linewidth=\hsize
20883     \else
20884         \let\titlepage@restore\relax
20885     \fi
20886     \let\footnotesize\small
20887     \let\right@footnoterule\relax
20888     \let\left@footnoterule\relax
20889     \let\textwidth@footnoterule\relax
20890     \let\footnote\thanks
20891     \let\LTRfootnote\LTRthanks
20892     \let\RTLfootnote\RTLthanks
20893     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20894     \let\@oldmakefnmark\@makefnmark
20895     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
20896     \ifx\@extratitle\@empty
20897         \ifx\@frontispiece\@empty
20898         \else
20899             \if@twoside\mbox{}\next@tpage\fi
20900             \noindent\@frontispiece\next@tdpage
20901         \fi
20902     \else
20903         \noindent\@extratitle
20904         \ifx\@frontispiece\@empty
20905         \else
20906             \next@tpage
20907             \noindent\@frontispiece
20908         \fi
20909         \next@tdpage
20910     \fi
20911     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
20912     \ifx\@titlehead\@empty \else

```




```

20913      \begin{minipage}[t]{\textwidth}%
20914      \usekomafont{titlehead}{\@titlehead\par}%
20915      \end{minipage}\par
20916      \fi
20917      \null\vfill
20918      \begin{center}
20919      \ifx\@subject\@empty \else
20920      {\usekomafont{subject}{\@subject\par}}%
20921      \vskip 3em
20922      \fi
20923      {\usekomafont{title}{\huge \@title\par}}%
20924      \vskip 1em
20925      {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
20926      \vskip 2em
20927      {%
20928      \usekomafont{author}{%
20929      \lineskip 0.75em
20930      \begin{tabular}[t]{c}
20931      \@author
20932      \end{tabular}\par
20933      }%
20934      }%
20935      \vskip 1.5em
20936      {\usekomafont{date}{\@date \par}}%
20937      \vskip \z@ \@plus3fill
20938      {\usekomafont{publishers}{\@publishers \par}}%
20939      \vskip 3em
20940      \end{center}\par
20941      \@thanks\global\let\@thanks\@empty
20942      \vfill\null
20943      \if@twoside
20944      \@tempswatrue
20945      \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
20946      \else
20947      \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
20948      \@tempswafalse
20949      \fi\fi
20950      \fi
20951      \if@tempswa
20952      \next@tpage
20953      \begin{minipage}[t]{\textwidth}
20954      \@uppertitleback
20955      \end{minipage}\par
20956      \vfill
20957      \begin{minipage}[b]{\textwidth}
20958      \@lowertitleback
20959      \end{minipage}\par
20960      \@thanks\global\let\@thanks\@empty
20961      \fi
20962      \else
20963      \ifx\@uppertitleback\@empty\else
20964      \ClassWarning{\KOMAClassName}{%
20965      non empty \string\uppertitleback\space ignored
20966      by \string\maketitle\MessageBreak

```



```

20967         in `twoside=false' mode%
20968     }%
20969 \fi
20970 \ifx\@lowertitleback\@empty\else
20971     \ClassWarning{\KOMAClassName}{%
20972         non empty \string\lowertitleback\space ignored
20973         by \string\maketitle\MessageBreak
20974         in `twoside=false' mode%
20975     }%
20976 \fi
20977 \fi
20978 \ifx\@dedication\@empty
20979 \else
20980     \next@tdpage\null\vfill
20981     {\centering\usekomafont{dedication}{\@dedication \par}}%
20982     \vskip \z@ \@plus3fill
20983     \@thanks\global\let\@thanks\@empty
20984     \cleardoubleemptypage
20985 \fi
20986 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
20987 \end{titlepage}
20988 \else
20989 \par
20990 \@tempcnta=%
20991 #1%
20992 \relax\ifnum\@tempcnta=1\else
20993     \ClassWarning{\KOMAClassName}{%
20994         Optional argument of \string\maketitle\space ignored\MessageBreak
20995         in `titlepage=false' mode%
20996     }%
20997 \fi
20998 \ifx\@uppertitleback\@empty\else
20999     \ClassWarning{\KOMAClassName}{%
21000         non empty \string\uppertitleback\space ignored
21001         by \string\maketitle\MessageBreak
21002         in `titlepage=false' mode%
21003     }%
21004 \fi
21005 \ifx\@lowertitleback\@empty\else
21006     \ClassWarning{\KOMAClassName}{%
21007         non empty \string\lowertitleback\space ignored
21008         by \string\maketitle\MessageBreak
21009         in `titlepage=false' mode%
21010     }%
21011 \fi
21012 \begingroup
21013     \let\titlepage@restore\relax
21014     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21015     \let\@oldmakefnmark\@makefnmark
21016     \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
21017     \next@tdpage
21018     \if@twocolumn
21019         \ifnum \col@number=\@one
21020             \ifx\@extratitle\@empty

```



```

21021         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21022     \else
21023         \@makeextratitle
21024     \fi
21025     \ifx\@frontispiece\@empty
21026         \ifx\@extratitle\@empty\else\next@tdpage\fi
21027     \else
21028         \next@tpage
21029         \@makefrontispiece
21030         \next@tdpage
21031     \fi
21032     \@maketitle
21033 \else
21034     \ifx\@extratitle\@empty
21035         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21036     \else
21037         \twocolumn[\@makeextratitle]%
21038     \fi
21039     \ifx\@frontispiece\@empty
21040         \ifx\@extratitle\@empty\else\next@tdpage\fi
21041     \else
21042         \next@tpage
21043         \twocolumn[\@makefrontispiece]%
21044         \next@tdpage
21045     \fi
21046     \twocolumn[\@maketitle]%
21047 \fi
21048 \else
21049     \ifx\@extratitle\@empty
21050         \ifx\@frontispiece\@empty\else \mbox{}\fi
21051     \else
21052         \@makeextratitle
21053     \fi
21054     \ifx\@frontispiece\@empty
21055         \ifx\@extratitle\@empty\else\next@tdpage\fi
21056     \else
21057         \next@tpage
21058         \@makefrontispiece
21059         \next@tdpage
21060     \fi
21061     \@maketitle
21062 \fi
21063     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
21064     \@thanks\global\let\@thanks\@empty
21065 \endgroup
21066 \fi
21067 \setcounter{footnote}{0}%
21068 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21069     \let\thanks\relax
21070     \let\LTRthanks\relax
21071     \let\RTLthanks\relax
21072     \let\maketitle\relax
21073     \let\@maketitle\relax
21074     \global\let\@thanks\@empty

```



```

21075 \global\let\@author\@empty
21076 \global\let\@date\@empty
21077 \global\let\@title\@empty
21078 \global\let\@subtitle\@empty
21079 \global\let\@extratitle\@empty
21080 \global\let\@frontispiece\@empty
21081 \global\let\@titlehead\@empty
21082 \global\let\@subject\@empty
21083 \global\let\@publishers\@empty
21084 \global\let\@uppertitleback\@empty
21085 \global\let\@lowertitleback\@empty
21086 \global\let\@dedication\@empty
21087 \global\let\author\relax
21088 \global\let\title\relax
21089 \global\let\extratitle\relax
21090 \global\let\titlehead\relax
21091 \global\let\subject\relax
21092 \global\let\publishers\relax
21093 \global\let\uppertitleback\relax
21094 \global\let\lowertitleback\relax
21095 \global\let\dedication\relax
21096 \global\let\date\relax
21097 \fi
21098 \global\let\and\relax
21099 }%
21100 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
21101 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
21102 \renewcommand*\thesection{%
21103 \expandafter\ifnum\scr@v@is@gt{2.97d}%
21104 \if@mainmatter\thechapter\@SepMark\fi
21105 \else
21106 \thechapter\@SepMark%
21107 \fi
21108 \@arabic\c@section
21109 }
21110 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
21111 \renewcommand*{\thesubsubsection}{%
21112 \thesubsection\@SepMark\@arabic\c@subsubsection
21113 }
21114 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21115 \renewcommand*{\thesubparagraph}{%
21116 \theparagraph\@SepMark\@arabic\c@subparagraph
21117 }
21118 \expandafter\ifnum\scr@v@is@le{2.97d}%
21119 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
21120 \fi
21121 \expandafter\ifnum\scr@v@is@le{2.97d}%
21122 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
21123 \fi
21124 \renewcommand*{\theequation}{%
21125 \expandafter\ifnum\scr@v@is@gt{2.97d}%
21126 \if@mainmatter\thechapter\@SepMark\fi
21127 \else
21128 \thechapter\@SepMark%

```



```

21129 \fi
21130 \@arabic\c@equation
21131 }
21132 \renewenvironment{thebibliography}[1]{%
21133 \if@bib@break@
21134 \bib@beginhook
21135 \else
21136 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
21137 \setchapterpreamble{\bibpreamble}%
21138 \fi\fi
21139 \bib@heading
21140 \bib@beginhook
21141 \bib@before@hook
21142 \fi
21143 \renewcommand{\BreakBibliography}[1]{%
21144 \@bib@break
21145 \end{thebibliography}%
21146 \begingroup ##1\endgroup
21147 \begin{thebibliography}{#1}
21148 }%
21149 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
21150 \bidi@thebibliography@font@hook%
21151 \list{%
21152 \@biblabel{\@arabic\c@enumiv}%
21153 }{%
21154 \settowidth\labelwidth{\@biblabel{#1}}%
21155 \leftmargin\labelwidth
21156 \advance\leftmargin\labelsep
21157 \@openbib@code
21158 \if@bib@break@
21159 \edef\@tempa{%
21160 \noexpand\usecounter{enumiv}%
21161 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
21162 }\@tempa
21163 \no@bib@break
21164 \else
21165 \usecounter{enumiv}%
21166 \fi
21167 \let\p@enumiv\@empty
21168 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
21169 }%
21170 \sloppy\clubpenalty4000 \widowpenalty4000
21171 \sfcode`\.=\@m
21172 }{%
21173 \if@bib@break@
21174 \def\@noitemerr{%
21175 \@latex@warning{%
21176 \string\BreakBibliography\space at begin of `thebibliography'
21177 environment\MessageBreak
21178 or following \string\BreakBibliography}%
21179 }%
21180 \else
21181 \def\@noitemerr{%
21182 \@latex@warning{%

```



```

21183      Empty `thebibliography' environment or
21184      \string\BreakBibliography\MessageBreak
21185      before end of `thebibliography' environment}%
21186    }%
21187  \fi
21188 \endlist
21189 \if@bib@break@
21190 \else
21191   \bib@after@hook
21192   \let\bib@before@hook\@empty
21193   \let\bib@after@hook\@empty
21194 \fi
21195 \bib@endhook
21196 }
21197 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
21198 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
21199 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
21200 \renewcommand\marginline[1]{%
21201   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
21202 }
21203 \renewcommand{\@makecaption}[3]{%
21204   \cap@margin
21205   \begingroup
21206     \ifonelinecaptions
21207       \def\stepcounter##1{\advance\value{##1}\@ne}%
21208       \let\refstepcounter\stepcounter
21209       \let\label\@gobble
21210       \let\@footnotetext=\@gobble
21211       \let\@LTRfootnotetext=\@gobble
21212       \let\@RTLfootnotetext=\@gobble
21213       \let\hypertarget\@gobbletwo
21214       \edef\xnewline{%
21215         \unexpanded{\ClassInfo{\KOMAClassName}}{%
21216           Workaround for not recommended usage of \string\\ or\MessageBreak
21217           \string\newline in caption text
21218         }%
21219         \hspace*{\linewidth}\hspace{1sp}%
21220       }%
21221       \unexpanded\expandafter{\xnewline}%
21222     }%
21223     \edef\xcentercr{%
21224       \unexpanded{\ClassInfo{\KOMAClassName}}{%
21225         Workaround for not recommended usage of \string\\ or\MessageBreak
21226         \string\newline in caption text
21227       }%
21228       \hspace*{\linewidth}\hspace{1sp}%
21229     }%
21230     \unexpanded\expandafter{\xcentercr}%
21231   }%
21232   \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
21233   \ifdim\@tempdima>\cap@width
21234     \aftergroup\scr@makemultilinecaption
21235   \else
21236     \aftergroup\scr@makesinglelinecaption

```



```

21237     \fi
21238     \else
21239       \aftergroup\scr@makemultilinecaption
21240     \fi
21241   \endgroup
21242   {#1}{#2}{#3}%
21243 }
21244 \renewcommand{\scr@makesinglelinecaption}[3]{%
21245   {%
21246     \usefontofkomafont{caption}{%
21247       \hb@xt@\hsize{%
21248         \cap@left
21249         \if@RTL
21250           \beginR
21251             \fi
21252             \scr@makesinglelinecaption{#1}{#2}{#3}%
21253             \if@RTL
21254               \endR
21255             \fi
21256             \cap@right
21257           }\par\kern\dp\strutbox%
21258         }%
21259       }\kern-\dp\strutbox
21260 }
21261 \renewcommand{\@makecaption}[2]{%
21262   \if@captionabove
21263     \vskip\belowcaptionskip
21264   \else
21265     \vskip\abovecaptionskip
21266   \fi
21267   \@makecaption\@firstofone{#1}{#2}%
21268   \if@captionabove
21269     \vskip\abovecaptionskip
21270   \else
21271     \vskip\belowcaptionskip
21272   \fi
21273 }
21274
21275 \renewcommand{\scr@makesinglelinecaption}[3]{%
21276   {\usekomafont{caption}{\strut\ignorespaces
21277     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
21278     \ignorespaces #3\unskip}}%
21279 }
21280
21281 \renewcommand{\scr@makemultilinecaption}[3]{%
21282   {%
21283     \usefontofkomafont{caption}{%
21284       \hb@xt@\hsize{%
21285         \cap@left
21286         \vbox{\hsize\cap@width\linewidth\hsize
21287           \scr@ifundefinedorrelax{@capter}{%
21288             \ClassWarning{KOMAClassName}{%
21289               `string\caption' outside float.\MessageBreak
21290               Seems you are using `string\caption' outside a

```



```

21291 float.\MessageBreak
21292 Maybe you are using a package that uses
21293 `\'string\'@makecaption\'\'MessageBreak
21294 without setting `\'string\'@captype\' before.\MessageBreak
21295 Because I cannot detect the caption type, I'm using\MessageBreak
21296 the empty one.%
21297 }%
21298 \let\'@captype\'@empty
21299 }{}%
21300 \scr@ifundefinedorrelax{ragged\'@captype caption}{\'raggedcaption\'{%
21301 \\'nameuse{ragged\'@captype caption}%
21302 }%
21303 \ifdofullc@p
21304 \\'@hangfrom{%
21305 \\'strut
21306 \scr@smashdp{%
21307 #1{%
21308 \\'usekomafont{caption}{%
21309 \\'usekomafont{captionlabel}{#2\'captionformat}%
21310 }%
21311 }%
21312 }%
21313 }%
21314 {{\'usekomafont{caption}{#3\'scr@endstrut}}\'par}%
21315 \else
21316 \\'ifdim\'cap@indent<\z@
21317 \\'strut
21318 #1{%
21319 {\\'usekomafont{caption}{%
21320 \\'usekomafont{captionlabel}{#2\'captionformat}%
21321 }%
21322 }\'par}%
21323 \\'noindent{{\'usekomafont{caption}{%
21324 \\'hspace*{-\'cap@indent}#3\'scr@endstrut
21325 }}\'par}%
21326 \else
21327 \\'if@capbreak
21328 \\'strut
21329 #1{%
21330 {\\'usekomafont{caption}{%
21331 \\'usekomafont{captionlabel}{#2\'captionformat}%
21332 }
21333 }\'par}%
21334 \\'noindent\'@hangfrom{\\'hspace*{\\'cap@indent}}%
21335 {{\'usekomafont{caption}{#3\'scr@endstrut}}\'par}%
21336 \else
21337 \\'@hangfrom{\scr@smashdp\'strut\'hspace*{\\'cap@indent}}%
21338 {%
21339 \\'hspace*{-\'cap@indent}%
21340 \scr@smashdp{%
21341 #1{\\'usekomafont{caption}{%
21342 \\'usekomafont{captionlabel}{#2\'captionformat}%
21343 }%
21344 }%

```




```

21345         }%
21346         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21347     }%
21348     \fi
21349     \fi
21350     \fi
21351 }%
21352 \cap@right
21353 }\par\kern\dp\strutbox
21354 }%
21355 }\kern-\dp\strutbox
21356 }
21357
21358
21359 \bidi@AfterFile{longtable-xetex-bidi.def}{%
21360   \if@komalongtable
21361     \renewcommand{\LT@makecaption}[3]{%
21362       \noalign{%
21363         \if@captionabove
21364           \vskip\belowcaptionskip
21365         \else
21366           \vskip\abovecaptionskip
21367         \fi
21368       }%
21369       \LT@mcol\LT@cols c{%
21370         \hbox to\z@{\hss\parbox[t]\linewidth{%
21371           \def\@captive{table}%
21372           \@makecaption{#1}{#2}{#3}%
21373           \endgraf
21374           \if@captionabove
21375             \vskip\abovecaptionskip
21376           \else
21377             \vskip\belowcaptionskip
21378           \fi
21379         }%
21380         \hss
21381       }%
21382     }%
21383   }%
21384   \renewcommand*{\scr@LT@array}{}%
21385   \let\scr@LT@array=\LT@array
21386   \renewcommand*{\LT@array}{%
21387     \let\scr@caption=\LT@caption
21388     \def\captionabove{\noalign{\global\@captionabovetrue}%
21389       \scr@caption}%
21390     \def\captionbelow{\noalign{\global\@captionabovetrue}%
21391       \scr@caption}%
21392     \if@tablecaptionabove
21393       \let\LT@caption=\captionabove
21394     \else
21395       \let\LT@caption=\captionbelow
21396     \fi
21397     \scr@LT@array
21398   }%

```



```

21399 \ClassInfo{\KOMAClassName}{%
21400     longtable captions redefined%
21401 }%
21402 \fi
21403 }
21404
21405 \CloneTOCEntryStyle{tocline}{part}
21406 \TOCEntryStyleStartInitCode{part}{%
21407     \expandafter\renewcommand%
21408     \csname scr@tso@#1@linefill\endcsname{\hfill}%
21409     \expandafter\renewcommand%
21410     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
21411     \expandafter\renewcommand%
21412     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21413         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
21414     \expandafter\renewcommand\expandafter*%
21415     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
21416 }
21417
21418 \CloneTOCEntryStyle{tocline}{chapter}
21419 \TOCEntryStyleStartInitCode{chapter}{%
21420     \expandafter\renewcommand%
21421     \csname scr@tso@#1@linefill\endcsname{%
21422         \if@chapterentrywithdots
21423             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
21424         \else
21425             \hfill
21426         \fi
21427     }%
21428     \expandafter\renewcommand%
21429     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
21430     \expandafter\renewcommand%
21431     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21432         {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
21433     \expandafter\renewcommand\expandafter*%
21434     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
21435 }
21436
21437 \CloneTOCEntryStyle{tocline}{section}
21438 \TOCEntryStyleStartInitCode{section}{%
21439     \expandafter\renewcommand%
21440     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
21441     \expandafter\renewcommand%
21442     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21443         {\normalfont\normalcolor ##1}}%
21444 }
21445
21446 \CloneTOCEntryStyle{section}{default}
21447
21448 \DeclareSectionCommand[%
21449     style=chapter,%
21450     level=\z@,%
21451     pagestyle=plain,%
21452     tocstyle=chapter,%

```



```

21453   tocindent=\z@,%
21454   tocnumwidth=1.5em%
21455 ]{chapter}
21456 \DeclareSectionCommand[%
21457   style=section,%
21458   level=1,%
21459   indent=\z@,%
21460   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
21461   afterskip=2.3ex \@plus .2ex,%
21462   tocstyle=section,%
21463   tocindentfollows=chapter,%
21464   tocindent=1.5em,%
21465   tocnumwidth=2.3em%
21466 ]{section}
21467 \DeclareSectionCommand[%
21468   style=part,%
21469   level=\m@ne,%
21470   pagestyle=plain,%
21471   tocstyle=part,%
21472   toclevel=\m@ne,%
21473   tocindent=\z@,%
21474   tocnumwidth=2em%
21475 ]{part}
21476 \DeclareSectionCommand[%
21477   style=section,%
21478   level=2,%
21479   indent=\z@,%
21480   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
21481   afterskip=1.5ex \@plus .2ex,%
21482   tocstyle=section,%
21483   tocindent=3.8em,%
21484   tocnumwidth=3.2em%
21485 ]{subsection}
21486 \DeclareSectionCommand[%
21487   style=section,%
21488   level=3,%
21489   indent=\z@,%
21490   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
21491   afterskip=1.5ex \@plus .2ex,%
21492   tocstyle=section,%
21493   tocindent=7.0em,%
21494   tocnumwidth=4.1em%
21495 ]{subsubsection}
21496 \DeclareSectionCommand[%
21497   style=section,%
21498   level=4,%
21499   indent=\z@,%
21500   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
21501   afterskip=-1em,%
21502   tocindentfollows=subsubsection,%
21503   tocstyle=section,%
21504   tocindent=10em,%
21505   tocnumwidth=5em%
21506 ]{paragraph}

```



```

21507 \DeclareSectionCommand[%
21508   style=section,%
21509   level=5,%
21510   indent=\scr@parindent,%
21511   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
21512   afterskip=-1em,%
21513   tocstyle=section,%
21514   tocindent=12em,%
21515   tocnumwidth=6em%
21516 ]{subparagraph}

```

142 File scrreprt-xetex-bidi.def

```

21517 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
21518 \newcommand{\scr@saved@LTRfootnotetext}{}
21519 \newcommand{\scr@saved@RTLfootnotetext}{}
21520 \let\scr@saved@footnotetext\@footnotetext
21521 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21522 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21523 \renewcommand{\@footnotetext}[1]{%
21524   \scr@saved@footnotetext{#1}%
21525   \csname FN@mfb@prepare\endcsname
21526 }
21527 \renewcommand{\@LTRfootnotetext}[1]{%
21528   \scr@saved@LTRfootnotetext{#1}%
21529   \csname FN@mfb@prepare\endcsname
21530 }
21531 \renewcommand{\@RTLfootnotetext}[1]{%
21532   \scr@saved@RTLfootnotetext{#1}%
21533   \csname FN@mfb@prepare\endcsname
21534 }
21535 \renewcommand\deffootnote[4][1]{%
21536   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
21537     \long\def\@makefntext##1{%
21538       \ExecuteDoHook{footnote/text/begin}%
21539       \raggedfootnote
21540       \if@RTL
21541         \rightskip
21542       \else
21543         \leftskip
21544       \fi
21545       #2
21546       \l@addto@macro\@trivlist{%
21547         \ifnum\@listdepth=\@ne
21548           \if@RTL
21549             \advance\rightmargin #2\relax
21550           \else
21551             \advance\leftmargin #2\relax
21552           \fi
21553         \fi
21554       }%
21555       \parindent #3\noindent
21556       \IfArgIsEmpty{#1}{-}{%
21557         \hskip \dimexpr #1-#2\relax

```



```

21558 }%
21559 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21560 \ExecuteDoHook{footnote/text/end}%
21561 }%
21562 \else
21563 \ClassInfo{\KOMAClassName}{%
21564 Using old \string\@makefnmark\space due to compatibility
21565 level\MessageBreak
21566 less than 3.22}%
21567 \long\def\@makefnmark##1{%
21568 \setlength{\@tempdimc}{#3}%
21569 \def\@tempa{#1}\ifx\@tempa\@empty
21570 \setpar{\@par
21571 \@tempdima = \hspace
21572 \addtolength{\@tempdima}{-#2}%
21573 \if@RTL
21574 \parshape \@ne \z@ \@tempdima
21575 \else
21576 \parshape \@ne #2 \@tempdima
21577 \fi
21578 }%
21579 \else
21580 \addtolength{\@tempdimc}{#2}%
21581 \addtolength{\@tempdimc}{-#1}%
21582 \setpar{\@par
21583 \@tempdima = \hspace
21584 \addtolength{\@tempdima}{-#1}%
21585 \@tempdimb = \hspace
21586 \addtolength{\@tempdimb}{-#2}%
21587 \if@RTL
21588 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
21589 \else
21590 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
21591 \fi
21592 }%
21593 \fi
21594 \par
21595 \parindent\@tempdimc\noindent
21596 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21597 }%
21598 \fi
21599 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
21600 }
21601 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21602 \renewcommand*\left@footnoterule{%
21603 \normalsize\ftn@rule@test@values
21604 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21605 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21606 {\usekomafont{footnoterule}{%
21607 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21608 \kern 2.6\p@}
21609 \renewcommand*\right@footnoterule{%
21610 \normalsize\ftn@rule@test@values
21611 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax

```



```

21612 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21613 {\usekomafont{footnoterule}{%
21614 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
21615 \kern 2.6\p@}}
21616 \renewcommand*\maketitle[1][1]{%
21617 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21618 \else
21619 \def\and{%
21620 \end{tabular}%
21621 \hskip 1em \@plus.17fil%
21622 \begin{tabular}[t]{c}%
21623 }%
21624 \fi
21625 \if@titlepage
21626 \begin{titlepage}
21627 \setcounter{page}{%
21628 #1%
21629 }%
21630 \if@titlepageiscoverpage
21631 \edef\titlename@restore{%
21632 \noexpand\endgroup
21633 \noexpand\global\noexpand\@colht\the\@colht
21634 \noexpand\global\noexpand\@colroom\the\@colroom
21635 \noexpand\global\vsizethe\vsizethe
21636 \noexpand\global\noexpand\@titlepageiscoverpagefalse
21637 \noexpand\let\noexpand\titlename@restore\noexpand\relax
21638 }%
21639 \begingroup
21640 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21641 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21642 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21643 \textwidth=\dimexpr
21644 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21645 \textheight=\dimexpr
21646 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21647 \headheight=0pt
21648 \headsep=0pt
21649 \footskip=\baselineskip
21650 \@colht=\textheight
21651 \@colroom=\textheight
21652 \vsizethe\textheight
21653 \columnwidth=\textwidth
21654 \hsizethe\columnwidth
21655 \linewidth=\hsizethe
21656 \else
21657 \let\titlename@restore\relax
21658 \fi
21659 \let\footnotesize\small
21660 \let\right@footnoterule\relax
21661 \let\left@footnoterule\relax
21662 \let\textwidth@footnoterule\relax
21663 \let\footnote\thanks
21664 \let\LTRfootnote\LTRthanks
21665 \let\RTLfootnote\RTLthanks

```



```

21666 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21667 \let\@oldmakefnmark\@makefnmark
21668 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21669 \ifx\@extratitle\@empty
21670   \ifx\@frontispiece\@empty
21671   \else
21672     \if@twoside\mbox{}\next@tpage\fi
21673     \noindent\@frontispiece\next@tdpage
21674   \fi
21675 \else
21676   \noindent\@extratitle
21677   \ifx\@frontispiece\@empty
21678   \else
21679     \next@tpage
21680     \noindent\@frontispiece
21681   \fi
21682   \next@tdpage
21683 \fi
21684 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
21685 \ifx\@titlehead\@empty \else
21686   \begin{minipage}[t]{\textwidth}%
21687     \usekomafont{titlehead}{\@titlehead\par}%
21688   \end{minipage}\par
21689 \fi
21690 \null\vfill
21691 \begin{center}
21692   \ifx\@subject\@empty \else
21693     {\usekomafont{subject}{\@subject\par}}%
21694     \vskip 3em
21695   \fi
21696   {\usekomafont{title}{\huge \@title\par}}%
21697   \vskip 1em
21698   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21699   \vskip 2em
21700   {%
21701     \usekomafont{author}{%
21702       \lineskip 0.75em
21703       \begin{tabular}[t]{c}
21704         \@author
21705       \end{tabular}\par
21706     }%
21707   }%
21708   \vskip 1.5em
21709   {\usekomafont{date}{\@date \par}}%
21710   \vskip \z@ \@plus3fill
21711   {\usekomafont{publishers}{\@publishers \par}}%
21712   \vskip 3em
21713 \end{center}\par
21714 \@thanks\global\let\@thanks\@empty
21715 \vfill\null
21716 \if@twoside
21717   \@tempwattrue
21718   \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
21719   \else

```



```

21720         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
21721             \@tempwafalse
21722         \fi\fi
21723     \fi
21724     \if@tempswa
21725         \next@tpage
21726         \begin{minipage}[t]{\textwidth}
21727             \@uppertitleback
21728         \end{minipage}\par
21729         \vfill
21730         \begin{minipage}[b]{\textwidth}
21731             \@lowertitleback
21732         \end{minipage}\par
21733         \@thanks\global\let\@thanks\@empty
21734     \fi
21735 \else
21736     \ifx\@uppertitleback\@empty\else
21737         \ClassWarning{\KOMAClassName}{%
21738             non empty \string\uppertitleback\space ignored
21739             by \string\maketitle\MessageBreak
21740             in `twoside=false' mode%
21741         }%
21742     \fi
21743     \ifx\@lowertitleback\@empty\else
21744         \ClassWarning{\KOMAClassName}{%
21745             non empty \string\lowertitleback\space ignored
21746             by \string\maketitle\MessageBreak
21747             in `twoside=false' mode%
21748         }%
21749     \fi
21750 \fi
21751 \ifx\@dedication\@empty
21752 \else
21753     \next@tdpage\null\vfill
21754     {\centering\usekomafont{dedication}{\@dedication \par}}%
21755     \vskip \z@ \@plus3fill
21756     \@thanks\global\let\@thanks\@empty
21757     \cleardoubleemptypage
21758 \fi
21759 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
21760 \end{titlepage}
21761 \else
21762     \par
21763     \@tempcnta=%
21764     #1%
21765     \relax\ifnum\@tempcnta=1\else
21766         \ClassWarning{\KOMAClassName}{%
21767             Optional argument of \string\maketitle\space ignored\MessageBreak
21768             in `titlepage=false' mode%
21769         }%
21770     \fi
21771     \ifx\@uppertitleback\@empty\else
21772         \ClassWarning{\KOMAClassName}{%
21773             non empty \string\uppertitleback\space ignored

```




```

21774         by \string\maketitle\MessageBreak
21775         in `titlepage=false' mode%
21776     }%
21777 \fi
21778 \ifx\@lowertitleback\@empty\else
21779     \ClassWarning{\KOMAClassName}{%
21780         non empty \string\lowertitleback\space ignored
21781         by \string\maketitle\MessageBreak
21782         in `titlepage=false' mode%
21783     }%
21784 \fi
21785 \begingroup
21786     \let\titlepage@restore\relax
21787     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21788     \let\@oldmakefnmark\@makefnmark
21789     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
21790     \next@tdpage
21791     \if@twocolumn
21792         \ifnum \col@number=\@one
21793             \ifx\@extratitle\@empty
21794                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21795             \else
21796                 \@makeextratitle
21797             \fi
21798             \ifx\@frontispiece\@empty
21799                 \ifx\@extratitle\@empty\else\next@tdpage\fi
21800             \else
21801                 \next@tpage
21802                 \@makefrontispiece
21803                 \next@tdpage
21804             \fi
21805             \@maketitle
21806         \else
21807             \ifx\@extratitle\@empty
21808                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21809             \else
21810                 \twocolumn[\@makeextratitle]%
21811             \fi
21812             \ifx\@frontispiece\@empty
21813                 \ifx\@extratitle\@empty\else\next@tdpage\fi
21814             \else
21815                 \next@tpage
21816                 \twocolumn[\@makefrontispiece]%
21817                 \next@tdpage
21818             \fi
21819             \twocolumn[\@maketitle]%
21820         \fi
21821     \else
21822         \ifx\@extratitle\@empty
21823             \ifx\@frontispiece\@empty\else \mbox{}\fi
21824         \else
21825             \@makeextratitle
21826         \fi
21827         \ifx\@frontispiece\@empty

```



```

21828         \ifx\@extratitle\@empty\else\next@tdpage\fi
21829     \else
21830         \next@tpage
21831         \@makefrontispiece
21832         \next@tdpage
21833     \fi
21834     \@maketitle
21835 \fi
21836 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
21837 \@thanks\global\let\@thanks\@empty
21838 \endgroup
21839 \fi
21840 \setcounter{footnote}{0}%
21841 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21842     \let\thanks\relax
21843     \let\LTRthanks\relax
21844     \let\RTLthanks\relax
21845     \let\maketitle\relax
21846     \let\@maketitle\relax
21847     \global\let\@thanks\@empty
21848     \global\let\@author\@empty
21849     \global\let\@date\@empty
21850     \global\let\@title\@empty
21851     \global\let\@subtitle\@empty
21852     \global\let\@extratitle\@empty
21853     \global\let\@frontispiece\@empty
21854     \global\let\@titlehead\@empty
21855     \global\let\@subject\@empty
21856     \global\let\@publishers\@empty
21857     \global\let\@uppertitleback\@empty
21858     \global\let\@lowertitleback\@empty
21859     \global\let\@dedication\@empty
21860     \global\let\author\relax
21861     \global\let\title\relax
21862     \global\let\extratitle\relax
21863     \global\let\titlehead\relax
21864     \global\let\subject\relax
21865     \global\let\publishers\relax
21866     \global\let\uppertitleback\relax
21867     \global\let\lowertitleback\relax
21868     \global\let\dedication\relax
21869     \global\let\date\relax
21870 \fi
21871 \global\let\and\relax
21872 }%
21873 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
21874 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
21875 \renewcommand*\thesection{%
21876     \thechapter\@SepMark%
21877     \@arabic\c@section
21878 }
21879 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
21880 \renewcommand*{\thesubsubsection}{%
21881     \thesubsection\@SepMark\@arabic\c@subsubsection

```



```

21882 }
21883 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21884 \renewcommand*{\thesubparagraph}{\%
21885   \theparagraph\@SepMark\@arabic\c@subparagraph
21886 }
21887 \expandafter\ifnum\scr@v@is@le{2.97d}%
21888   \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
21889 \fi
21890 \expandafter\ifnum\scr@v@is@le{2.97d}%
21891   \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
21892 \fi
21893 \renewcommand*\theequation{%
21894   \thechapter\@SepMark%
21895   \@arabic\c@equation
21896 }
21897 \renewenvironment{thebibliography}[1]{%
21898   \if@bib@break@
21899     \bib@beginhook
21900   \else
21901     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
21902       \setchapterpreamble{\bibpreamble}%
21903     \fi\fi
21904     \bib@heading
21905     \bib@beginhook
21906     \bib@before@hook
21907   \fi
21908   \renewcommand{\BreakBibliography}[1]{%
21909     \@bib@break
21910     \end{thebibliography}%
21911     \begingroup ##1\endgroup
21912     \begin{thebibliography}{#1}
21913   }%
21914   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21915   \bidi@thebibliography@font@hook%
21916   \list{%
21917     \@biblabel{\@arabic\c@enumiv}%
21918   }{%
21919     \settowidth\labelwidth{\@biblabel{#1}}%
21920     \leftmargin\labelwidth
21921     \advance\leftmargin\labelsep
21922     \@openbib@code
21923     \if@bib@break@
21924       \edef\@tempa{%
21925         \noexpand\usecounter{enumiv}%
21926         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
21927       }\@tempa
21928       \no@bib@break
21929     \else
21930       \usecounter{enumiv}%
21931     \fi
21932     \let\p@enumiv\@empty
21933     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
21934   }%
21935   \sloppy\clubpenalty4000 \widowpenalty4000

```



```

21936 \sfcode`\.=\@m
21937 }{%
21938 \if@bib@break@
21939 \def\@noitemerr{%
21940 \latex@warning{%
21941 \string\BreakBibliography\space at begin of `thebibliography'
21942 environment\MessageBreak
21943 or following \string\BreakBibliography}%
21944 }%
21945 \else
21946 \def\@noitemerr{%
21947 \latex@warning{%
21948 Empty `thebibliography' environment or
21949 \string\BreakBibliography\MessageBreak
21950 before end of `thebibliography' environment}%
21951 }%
21952 \fi
21953 \endlist
21954 \if@bib@break@
21955 \else
21956 \bib@after@hook
21957 \let\bib@before@hook\@empty
21958 \let\bib@after@hook\@empty
21959 \fi
21960 \bib@endhook
21961 }
21962 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
21963 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
21964 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
21965 \renewcommand\marginline[1]{%
21966 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
21967 }
21968 \renewcommand{\@makecaption}[3]{%
21969 \cap@margin
21970 \begingroup
21971 \ifonelinecaptions
21972 \def\stepcounter##1{\advance\value{##1}\@ne}%
21973 \let\refstepcounter\stepcounter
21974 \let\label\@gobble
21975 \let\@footnotetext=\@gobble
21976 \let\@LTRfootnotetext=\@gobble
21977 \let\@RTLfootnotetext=\@gobble
21978 \let\hypertarget\@gobbletwo
21979 \edef\xnewline{%
21980 \unexpanded{\ClassInfo{\KOMAClassName}}{%
21981 Workaround for not recommended usage of \string\ or\MessageBreak
21982 \string\newline in caption text
21983 }%
21984 \hspace*{\linewidth}\hspace{1sp}%
21985 }%
21986 \unexpanded\expandafter{\xnewline}%
21987 }%
21988 \edef\xcentercr{%
21989 \unexpanded{\ClassInfo{\KOMAClassName}}{%

```



```

21990         Workaround for not recommended usage of \string\\ or\MessageBreak
21991         \string\newline in caption text
21992     }%
21993     \hspace*{\linewidth}\hspace{1sp}%
21994 }%
21995 \unexpanded\expandafter{\@xcentercr}%
21996 }%
21997 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
21998 \ifdim\@tempdima>\cap@width
21999     \aftergroup\scr@makemultilinecaption
22000 \else
22001     \aftergroup\scr@makesinglelinecaption
22002 \fi
22003 \else
22004     \aftergroup\scr@makemultilinecaption
22005 \fi
22006 \endgroup
22007 {#1}{#2}{#3}%
22008 }
22009 \renewcommand{\scr@makesinglelinecaption}[3]{%
22010 {%
22011     \usefontofkomafont{caption}{%
22012         \hb@xt@{\hspace{0pt}}{\hsize{%
22013             \cap@left
22014             \if@RTL
22015                 \beginR
22016                 \fi
22017                 \scr@makesinglelinecaption{#1}{#2}{#3}%
22018                 \if@RTL
22019                 \endR
22020                 \fi
22021                 \cap@right
22022             }\par\kern\dp\strutbox%
22023         }%
22024     }\kern-\dp\strutbox
22025 }
22026 \renewcommand{\@makecaption}[2]{%
22027     \if@captionabove
22028         \vskip\belowcaptionskip
22029     \else
22030         \vskip\abovecaptionskip
22031     \fi
22032     \@makecaption\@firstofone{#1}{#2}%
22033     \if@captionabove
22034         \vskip\abovecaptionskip
22035     \else
22036         \vskip\belowcaptionskip
22037     \fi
22038 }
22039
22040 \renewcommand{\scr@makesinglelinecaption}[3]{%
22041     {\usekomafont{caption}{\strut\ignorespaces
22042         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22043         \ignorespaces #3\unskip}}%

```



```

22044 }
22045
22046 \renewcommand{\scr@makemultilinecaption}[3]{%
22047   {%
22048     \usefontofkomafont{caption}{%
22049       \hb@xt@{hsize}{%
22050         \cap@left
22051         \vbox{
22052           \hsize\cap@width\linewidth\hsize
22053           \scr@ifundefinedorrelax{@captive}{%
22054             \ClassWarning{\KOMAClassName}{%
22055               `string\caption' outside float.\MessageBreak
22056               Seems you are using `string\caption' outside a
22057               float.\MessageBreak
22058               Maybe you are using a package that uses
22059               `string\@makecaption'\MessageBreak
22060               without setting `string\@captive' before.\MessageBreak
22061               Because I cannot detect the caption type, I'm using\MessageBreak
22062               the empty one.%
22063             }%
22064             \let\@captive\@empty
22065           }%
22066           \scr@ifundefinedorrelax{ragged\@captive caption}{\raggedcaption}{%
22067             \@nameuse{ragged\@captive caption}%
22068           }%
22069           \ifdofullc@p
22070             \@hangfrom{%
22071               \strut
22072               \scr@smashdp{%
22073                 #1{%
22074                   \usekomafont{caption}{%
22075                     \usekomafont{captionlabel}{#2\captionformat}%
22076                   }%
22077                 }%
22078               }%
22079               {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22080             \else
22081               \ifdim\cap@indent<\z@
22082                 \strut
22083                 #1{%
22084                   {\usekomafont{caption}{%
22085                     \usekomafont{captionlabel}{#2\captionformat}%
22086                   }%
22087                 }\par}%
22088                 \noindent{{\usekomafont{caption}{%
22089                   \hspace*{-\cap@indent}#3\scr@endstrut
22090                 }}\par}%
22091               \else
22092                 \if@capbreak
22093                   \strut
22094                   #1{%
22095                     {\usekomafont{caption}{%
22096                       \usekomafont{captionlabel}{#2\captionformat}%
22097                     }%

```



```

22098         }\par}%
22099         \noindent\@hangfrom{\hspace*{\cap@indent}}%
22100         {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22101     \else
22102         \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
22103         {%
22104             \hspace{-\cap@indent}%
22105             \scr@smashdp{%
22106                 #1{\usekomafont{caption}{%
22107                     \usekomafont{captionlabel}{#2\captionformat}%
22108                 }}%
22109             }%
22110         }%
22111         {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22112     }%
22113     \fi
22114     \fi
22115     \fi
22116     }%
22117     \cap@right
22118 } \par \kern \dp \strutbox
22119 }%
22120 } \kern - \dp \strutbox
22121 }
22122
22123
22124 \bidi@AfterFile{longtable-xetex-bidi.def}{%
22125     \if@komalongtable
22126         \renewcommand{\LT@makecaption}[3]{%
22127             \noalign{%
22128                 \if@captionabove
22129                     \vskip\belowcaptionskip
22130                 \else
22131                     \vskip\abovecaptionskip
22132                 \fi
22133             }%
22134             \LT@mcol\LT@cols c{%
22135                 \hbox to\z@{\hss\parbox[t]{\linewidth{%
22136                     \def\@captype{table}%
22137                     \@makecaption{#1}{#2}{#3}%
22138                     \endgraf
22139                     \if@captionabove
22140                         \vskip\abovecaptionskip
22141                     \else
22142                         \vskip\belowcaptionskip
22143                     \fi
22144                 }}%
22145                 \hss
22146             }%
22147         }%
22148     }%
22149     \renewcommand*{\scr@LT@array}{}%
22150     \let\scr@LT@array=\LT@array
22151     \renewcommand*{\LT@array}{%

```



```

22152 \let\scr@caption=\LT@caption
22153 \def\captionabove{\noalign{\global\@captionabovetrue}%
22154 \scr@caption}%
22155 \def\captionbelow{\noalign{\global\@captionabovefalse}%
22156 \scr@caption}%
22157 \if@tablecaptionabove
22158 \let\LT@caption=\captionabove
22159 \else
22160 \let\LT@caption=\captionbelow
22161 \fi
22162 \scr@LT@array
22163 }%
22164 \ClassInfo{\KOMAClassName}{%
22165 longtable captions redefined%
22166 }%
22167 \fi
22168 }
22169
22170 \CloneTOCEntryStyle{tocline}{part}
22171 \TOCEntryStyleStartInitCode{part}{%
22172 \expandafter\renewcommand%
22173 \csname scr@tso@#1@linefill\endcsname{\hfill}%
22174 \expandafter\renewcommand%
22175 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22176 \expandafter\renewcommand%
22177 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22178 {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
22179 \expandafter\renewcommand\expandafter*%
22180 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
22181 }
22182
22183 \CloneTOCEntryStyle{tocline}{chapter}
22184 \TOCEntryStyleStartInitCode{chapter}{%
22185 \expandafter\renewcommand%
22186 \csname scr@tso@#1@linefill\endcsname{%
22187 \if@chapterentrywithdots
22188 {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
22189 \else
22190 \hfill
22191 \fi
22192 }%
22193 \expandafter\renewcommand%
22194 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
22195 \expandafter\renewcommand%
22196 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22197 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
22198 \expandafter\renewcommand\expandafter*%
22199 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
22200 }
22201
22202 \CloneTOCEntryStyle{tocline}{section}
22203 \TOCEntryStyleStartInitCode{section}{%
22204 \expandafter\renewcommand%
22205 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%

```




```

22206 \expandafter\renewcommand%
22207 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22208 {\normalfont\normalcolor ##1}}%
22209 }
22210
22211 \CloneTOCEntryStyle{section}{default}
22212
22213 \DeclareSectionCommand[%
22214 style=chapter,%
22215 level=\z@,%
22216 pagestyle=plain,%
22217 tocstyle=chapter,%
22218 tocindent=\z@,%
22219 tocnumwidth=1.5em%
22220 ]{chapter}
22221 \DeclareSectionCommand[%
22222 style=section,%
22223 level=1,%
22224 indent=\z@,%
22225 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
22226 afterskip=2.3ex \@plus .2ex,%
22227 tocstyle=section,%
22228 tocindentfollows=chapter,%
22229 tocindent=1.5em,%
22230 tocnumwidth=2.3em%
22231 ]{section}
22232 \DeclareSectionCommand[%
22233 style=part,%
22234 level=\m@ne,%
22235 pagestyle=plain,%
22236 tocstyle=part,%
22237 toplevel=\m@ne,%
22238 tocindent=\z@,%
22239 tocnumwidth=2em%
22240 ]{part}
22241 \DeclareSectionCommand[%
22242 style=section,%
22243 level=2,%
22244 indent=\z@,%
22245 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
22246 afterskip=1.5ex \@plus .2ex,%
22247 tocstyle=section,%
22248 tocindent=3.8em,%
22249 tocnumwidth=3.2em%
22250 ]{subsection}
22251 \DeclareSectionCommand[%
22252 style=section,%
22253 level=3,%
22254 indent=\z@,%
22255 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
22256 afterskip=1.5ex \@plus .2ex,%
22257 tocstyle=section,%
22258 tocindent=7.0em,%
22259 tocnumwidth=4.1em%

```



```

22260 ]{subsubsection}
22261 \DeclareSectionCommand[%
22262   style=section,%
22263   level=4,%
22264   indent=\z@,%
22265   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
22266   afterskip=-1em,%
22267   tocindentfollows=subsubsection,%
22268   tocstyle=section,%
22269   tocindent=10em,%
22270   tocnumwidth=5em%
22271 ]{paragraph}
22272 \DeclareSectionCommand[%
22273   style=section,%
22274   level=5,%
22275   indent=\scr@parindent,%
22276   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
22277   afterskip=-1em,%
22278   tocstyle=section,%
22279   tocindent=12em,%
22280   tocnumwidth=6em%
22281 ]{subparagraph}

```

143 File `sidecap-xetex-bidi.def`

```

22282 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package f
22283 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
22284   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
22285 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
22286 \renewcommand*{\SC@justify@caption}{\if@RTL%
22287 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
22288   \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```

144 File `soul-xetex-bidi.def`

```

22289 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
22290 \long\def\SOUL@start#1{%
22291   \let\bid@RTL@everypar@empty
22292   \let\<\SOUL@lowerthan
22293   \let\>\empty
22294   \def\soulomit{\noexpand\soulomit}%
22295   \gdef\SOUL@eventuallyexhyphen##1{%
22296     \let\SOUL@soeventuallyskip\relax
22297     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
22298       \@minus\fontdimen4\font
22299     \SOUL@ignorespacesfalse
22300     \leavevmode
22301     \SOUL@preamble
22302     \SOUL@lasttoken={}%
22303     \SOUL@word={}%
22304     \SOUL@minus\z@
22305     \SOUL@comma\z@
22306     \SOUL@apo\z@
22307     \SOUL@grave\z@

```



```

22308 \SOUL@do{#1}%
22309 \SOUL@postamble
22310 }}
22311 \def\SOUL@ulunderline#1{%
22312 \setbox\z@\hbox{#1}%
22313 \dimen@=\wd\z@
22314 \dimen@i=\SOUL@ulooverlap
22315 \advance\dimen@2\dimen@i
22316 \if@RTL
22317 \unhcopy\z@
22318 \llap{%
22319 \null
22320 \kern-\dimen@i
22321 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
22322 }%
22323 \else
22324 \rlap{%
22325 \null
22326 \kern-\dimen@i
22327 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
22328 }%
22329 \unhcopy\z@
22330 \fi
22331 }}
22332 \def\bidi@SOUL@ulleaders{%
22333 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\n
22334 }
22335 \def\SOUL@uleveryspace#1{%
22336 \if@RTL
22337 #1%
22338 \bidi@SOUL@ulleaders
22339 \hskip\spaceskip
22340 \else
22341 \SOUL@ulcolor{%
22342 #1%
22343 \SOUL@ulleaders
22344 \hskip\spaceskip
22345 }%
22346 \fi
22347 \null
22348 }

```

145 File stabular-xetex-bidi.def

```

22349 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
22350 \def\@stabular{%
22351 \leavevmode \bgroup \if@RTLtab\beginR \fi
22352 \let\@acol\@tabacol
22353 \let\@classz\@tabclassz
22354 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
22355 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
22356 \egroup \if@RTLtab\endR\fi\egroup}
22357 \expandafter \let \csname endstabular*\endcsname = \endstabular
22358 \def\@sarray[#1]#2{%

```



```

22359 \bgroup
22360 \setbox\@arstrutbox\hbox{%
22361   \vrule \@height\arraystretch\ht\strutbox
22362         \@depth\arraystretch \dp\strutbox
22363         \@width\z@}%
22364 \@mkpream{#2}%
22365 \edef\@preamble{%
22366   \ialign \noexpand\@halignto
22367     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
22368 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
22369 \let\tabularnewline\%
22370 \let\@sharp##%
22371 \set@typeset@protect
22372 \lineskip\z@skip\baselineskip\z@skip
22373 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
22374   \@preamble}

```

146 File subfigure-xetex-bidi.def

```

22375 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure packa
22376 \AtBeginDocument{%
22377 \let\p@subfigure=\thefigure
22378 \let\p@subtable=\thetable%
22379 }

```

147 File tabs-xetex-bidi.def

```

22380 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for X
22381 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
22382
22383 \expandafter\let\csname endtabular*\endcsname=\endtabular
22384
22385 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
22386   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
22387   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
22388
22389 \def\@array[#1]#2{% remember global variables to allow recursion:
22390   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
22391     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
22392   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
22393   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
22394   \else \let\@tarlinesep\tablinesep \fi
22395   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
22396   \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
22397   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
22398   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
22399     \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@@size
22400     \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
22401     \fi \setbox\@arstrutbox\hbox{% set up smaller strut
22402       \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
22403   \let\protect\noexpand
22404   \edef\@preamble{\ialign \noexpand\@halignto \bgroup
22405     \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
22406   \let\@startpbox\@startpbox \let\@endpbox\@endpbox

```



```

22407 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
22408 \bgroup \let\par\@empty
22409 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
22410 \advance\extrarulesep.5\arrayrulewidth
22411 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
22412 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
22413 \@preamble}

```

148 File tabularx-xetex-bidi.def

```

22414 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
22415 \def\TX@endtabularx{%
22416   \expandafter\expandafter\expandafter
22417     \TX@find@endtabularxa\csname end\TX@\endcsname
22418     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
22419   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
22420   \let\verb\TX@verb
22421   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
22422   \edef\TX@ckpt{\cl@ckpt}%
22423   \let\@elt\relax
22424   \TX@old@table\maxdimen
22425   \TX@col@width\TX@target
22426   \global\TX@cols\@ne
22427   \TX@typeout@
22428     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
22429   \TX@trial{\def\NC@rewriteX{%
22430     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
22431   \loop
22432     \TX@arith
22433     \ifTX@
22434     \TX@trial{}%
22435   \repeat
22436   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
22437     \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
22438     \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
22439     \csname tabular*\expandafter\endcsname\expandafter\TX@target
22440       \the\toks@
22441     \csname endtabular*\endcsname}%
22442   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
22443   \ifnum0=`{\fi}%
22444   \expandafter\expandafter\expandafter
22445     \TX@find@endtabularxbb
22446     \expandafter\end\expandafter{\TX@}%
22447   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
22448 }
22449
22450 \def\TX@trial#1{%
22451   \setbox\@tempboxa\hbox{%
22452     #1\relax
22453   \let\@footnotetext\TX@trial@ftn
22454   \let\@LTRfootnotetext\TX@trial@ftn
22455   \let\@RTLfootnotetext\TX@trial@ftn
22456   \let\TX@vwarn\@empty
22457   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname

```



```

22458 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
22459 \def\write{\begingroup
22460   \def\let{\afterassignment\endgroup\toks@}%
22461   \afterassignment\let\count@}%
22462   \hbadness\@M
22463   \hfuzz\maxdimen
22464   \let\hbadness\@tempcnta
22465   \let\hfuzz\@tempdima
22466   \expandafter\tabular\the\toks@
22467   \endtabular}%
22468 \TX@ckpt
22469 \TX@typeout@{\@spaces
22470   \expandafter\TX@align
22471   \the\wd\@tempboxa\space\space\space\space\space\@
22472   \expandafter\TX@align
22473   \the\TX@col@width\space\space\space\space\space\@
22474   \@spaces\the\TX@cols}}
22475
22476 \long\def\TX@LTRftntext#1{%
22477   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
22478     [\the\csname c@\@mpfn\endcsname]}%
22479   \global\TX@ftn\expandafter{\@tempa{#1}}}%
22480 \long\def\TX@xLTRftntext[#1]#2{%
22481   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
22482
22483 \long\def\TX@RTLftntext#1{%
22484   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
22485     [\the\csname c@\@mpfn\endcsname]}%
22486   \global\TX@ftn\expandafter{\@tempa{#1}}}%
22487 \long\def\TX@xRTLftntext[#1]#2{%
22488   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

149 File tabulary-xetex-bidi.def

```

22489 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
22490 \def\@testpach{\@chclass
22491   \ifnum \@lastchclass=6 \@ne \@cnum \@ne \else
22492     \ifnum \@lastchclass=7 5 \else
22493       \ifnum \@lastchclass=8 \tw@ \else
22494         \ifnum \@lastchclass=9 \thr@@
22495         \else \z@
22496         \ifnum \@lastchclass = 10 \else
22497         \edef\@nextchar{\expandafter\string\@nextchar}%
22498         \@cnum
22499         \if \@nextchar c\z@ \else
22500           \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
22501             \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
22502             \if \@nextchar C7 \else
22503               \if \@nextchar L8 \else
22504                 \if \@nextchar R9 \else
22505                   \if \@nextchar J10 \else
22506                   \z@ \@chclass
22507                 \if \@nextchar |\@ne \else
22508                   \if \@nextchar !6 \else

```



```

22509     \if \@nextchar @7 \else
22510     \if \@nextchar <8 \else
22511     \if \@nextchar >9 \else
22512     10
22513     \@chnum
22514     \if \@nextchar m\thr@@\else
22515     \if \@nextchar p4 \else
22516     \if \@nextchar b5 \else
22517     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
22518     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

150 File tc-xetex-bidi.def

```

22519 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
22520 \def\@cliptoboxdim#1{%
22521     \setbox#1=\hbox{%
22522         \Gin@defaultbp\WIDTH{\wd#1}%
22523         \Gin@defaultbp\DEPTH{\dp#1}%
22524         \@tempdima\ht#1%
22525         \advance\@tempdima\dp#1%
22526         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
22527         \beginL\special{pdf:bcontent }%
22528         \special{%
22529             pdf:literal direct
22530             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
22531         }%
22532         \special{pdf:literal direct W }%
22533         \special{pdf:literal direct n }%
22534         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
22535         \special{pdf:econtent }\endL%
22536     }%
22537 }

```

151 File tcolorbox-xetex-bidi.def

```

22538 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
22539 \let\endtcbox@lrbox=\endminipage
22540 \let\endtcbox@savebox=\endtcbox@lrbox
22541
22542 \bidi@patchcmd{\tcboxvbox}{%
22543     \let\@footnotetext\@mpfootnotetext%
22544 }{%
22545     \let\@footnotetext\@mpfootnotetext%
22546     \let\@LTRfootnotetext\@mpLTRfootnotetext%
22547     \let\@RTLfootnotetext\@mpRTLfootnotetext%
22548 }{}{}
22549
22550 \bidi@patchcmd{\endtcboxvbox}{%
22551     \footnoterule%
22552 }{%
22553     \bidi@mpfootnoterule%
22554 }{}{}
22555 \bidi@apptocmd\tcbox@icolorbox{%
22556     \@bidi@list@minipage@parboxfalse

```



22557 }{}{}

152 File titlesec-xetex-bidi.def

```

22558 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
22559 \renewcommand\filright{%
22560   \gdef\ttl@filleft##1{\hskip##1}%
22561   \gdef\ttl@filright##1{\hfill}%
22562   \let\\\@centercr
22563   \advance\rightskip\z@ \@plus 1fil
22564   \parfillskip\z@}
22565 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
22566   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
22567   \setlength\leftskip{#6}%
22568   \setlength\rightskip{#7}%
22569   \interlinepenalty\@M
22570   \ttl@changecentercr
22571   \ttl@beginlongest
22572   #1{\ifhmode\ttl@hmode@error\fi
22573     \ttl@glcmds
22574     \parindent\z@
22575     \leavevmode
22576     \beginngroup
22577       \ifttl@label
22578         \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
22579         \ifRTL\advance\rightskip\wd\z@else\advance\leftskip\wd\z@\fi
22580         \llap{\box\z@}%
22581       \fi
22582       #4{#8}%
22583       \kern\z@\strut\@par
22584     \endgroup
22585     \nobreak\ttl@midlongest#5\@par}%
22586   \ttl@endlongest}

```

153 File titletoc-xetex-bidi.def

```

22587 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
22588 \renewcommand\filright{%
22589   \gdef\ttl@filleft##1{\hskip##1}%
22590   \gdef\ttl@filright##1{\hfill}%
22591   \let\\\@centercr
22592   \advance\rightskip\z@ \@plus 1fil
22593   \parfillskip\z@}
22594 \renewcommand\contentspush[1]{%
22595   \sbox\z@{#1}%
22596   \xdef\ttl@b{\advance\ifRTL\rightskip\else\leftskip\fi\the\wd\z@}%
22597   \aftergroup\ttl@b
22598   \leavevmode\llap{\box\z@}}
22599 \def\ttl@outnoblock#1#2#3{%
22600   \beginngroup
22601   \ifnum\ttl@b>\ttl@a
22602     \nobreak
22603   \else\ifnum\ttl@b<\ttl@a
22604     \addpenalty{\@secpenalty}%

```




```

22605 \else
22606   \addpenalty{\z@}%
22607 \fi\fi
22608 \ttl@contentsstretch
22609 \nobreak
22610 \ifcase#1\relax\else\interlinepenalty\@M\fi
22611 \parindent\z@
22612 \ifx\@nil#2%
22613   \PackageError{titletoc}{Unimplemented}%
22614   {The optional argument is currently mandatory}%
22615 \else
22616   \if@RTL\setlength\rightskip{#2}\else
22617     \setlength\leftskip{#2}\fi%
22618 \fi
22619 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
22620 \let\contentsmargin\ttl@margin
22621 \def\ttl@makeline##1{##1}%
22622 #3%
22623 \addtolength{\parfillskip}{-\ttl@corr}%
22624 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
22625 \let\ttl@leaders\leaders}
22626 \renewcommand\ttl@margin[2][\z@]{%
22627   \def\ttl@corr{#1}%
22628   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
22629   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
22630   \def\@pnumwidth{#2}}
22631 \let\ttl@savel@part\l@part
22632 \def\l@part{\ttl@lselect{part}}
22633
22634 \let\ttl@savel@chapter\l@chapter
22635 \def\l@chapter{\ttl@lselect{chapter}}

```

154 File tocbibind-xetex-bidi.def

```

22636 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind packa
22637 \if@dotocbib
22638   \ifpackageloaded{natbib}{}{% natbib not loaded
22639     \renewcommand{\bibsection}{\tcb@bchapsec}
22640     \renewenvironment{thebibliography}[1]{%
22641       \bibsection
22642       \begin{thebibitemlist}{#1}{\end{thebibitemlist}}}
22643 \renewenvironment{thebibitemlist}[1]{
22644   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
22645   \bidi@@thebibliography@font@hook%
22646   \list{\@biblabel{\@arabic{c@enumiv}}}%
22647     {\settowidth\labelwidth{\@biblabel{#1}}%
22648     \leftmargin\labelwidth
22649     \advance\leftmargin\labelsep
22650     \@openbib@code
22651     \usecounter{enumiv}%
22652     \let\p@enumiv\@empty
22653     \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
22654   \sloppy
22655   \clubpenalty4000

```



```

22656 \clubpenalty \clubpenalty
22657 \widowpenalty4000%
22658 \sfcode`.\.\@m}
22659 {\def\@noitemerr
22660 {\@latex@warning{Empty `thebibliography' environment}}}%
22661 \endlist}
22662
22663 \@ifpackagewith{chapterbib}{sectionbib}%
22664 {\renewcommand{\sectionbib}[2]{}}%
22665 {}
22666
22667 \fi
22668 \if@inltxdoc\else
22669 \renewenvironment{theindex}%
22670 {\if@twocolumn
22671 \@restonecolfalse
22672 \else
22673 \@restonecoltrue
22674 \fi
22675 \if@bibchapter
22676 \if@donumindex
22677 \refstepcounter{chapter}
22678 \twocolumn[\vspace*{2\topskip}%
22679 \makechapterhead{\indexname}}%
22680 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
22681 \chaptermark{\indexname}
22682 \else
22683 \if@dotocind
22684 \twocolumn[\vspace*{2\topskip}%
22685 \makechapterhead{\indexname}}%
22686 \prw@mkboth{\indexname}
22687 \addcontentsline{toc}{chapter}{\indexname}
22688 \else
22689 \twocolumn[\vspace*{2\topskip}%
22690 \makechapterhead{\indexname}}%
22691 \prw@mkboth{\indexname}
22692 \fi
22693 \fi
22694 \else
22695 \if@donumindex
22696 \twocolumn[\vspace*{-1.5\topskip}%
22697 \nameuse{\@tocextra}{\indexname}}%
22698 \csname \@tocextra mark\endcsname{\indexname}
22699 \else
22700 \if@dotocind
22701 \twocolumn[\vspace*{-1.5\topskip}%
22702 \toc@headstar{\@tocextra}{\indexname}}%
22703 \prw@mkboth{\indexname}
22704 \addcontentsline{toc}{\@tocextra}{\indexname}
22705 \else
22706 \twocolumn[\vspace*{-1.5\topskip}%
22707 \toc@headstar{\@tocextra}{\indexname}}%
22708 \prw@mkboth{\indexname}
22709 \fi

```



```

22710         \fi
22711     \fi
22712     \thispagestyle{plain}\parindent\z@
22713     \parskip\z@ \@plus .3\p@\relax
22714     \let\item\@idxitem}
22715     {\if@restonecol\onecolumn\else\clearpage\fi}
22716 \fi

```

155 File tocloft-xetex-bidi.def

```

22717 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package f
22718 \let\cftdot\@SepMark
22719 \if@cfthaspart
22720 \renewcommand*{\l@part}[2]{
22721     \@cftdopartfalse
22722     \ifnum \c@tocdepth >-2\relax
22723         \if@cfthaschapter
22724             \@cftdoparttrue
22725         \fi
22726         \ifnum \c@tocdepth >\m@ne
22727             \if@cfthaschapter\else
22728                 \@cftdoparttrue
22729             \fi
22730         \fi
22731     \fi
22732     \if@cftdopart
22733         \if@cfthaschapter
22734             \addpenalty{-\@highpenalty}
22735         \else
22736             \addpenalty\@secpenalty
22737         \fi
22738         \addvspace{\cftbeforepartskip}
22739         \begingroup
22740             {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
22741             \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22742             \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22743             \parindent \cftpartindent\relax\@afterindenttrue
22744             \interlinepenalty\@M
22745             \leavevmode
22746             \@tempdima \cftpartnumwidth\relax
22747             \let\@cftbsnum \cftpartpresnum
22748             \let\@cftasnum \cftpartaftersnum
22749             \let\@cftasnumb \cftpartaftersnumb
22750             \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
22751             {\cftpartfont \cftpartpresnum #1}
22752             \cftpartfillnum{#2}}
22753         \nobreak
22754         \if@cfthaschapter
22755             \global\@nobreaktrue
22756             \everypar{\global\@nobreakfalse\everypar{}}
22757         \else
22758             \if@compatibility
22759                 \global\@nobreaktrue
22760                 \everypar{\global\@nobreakfalse\everypar{}}

```



```

22761         \fi
22762     \fi
22763     \endgroup
22764 \fi}
22765 \fi
22766 \if@cfthaschapter
22767 \renewcommand*{\l@chapter}[2]{
22768     \ifnum \c@tocdepth >\m@ne
22769         \addpenalty{-\@highpenalty}
22770         \vskip \cftbeforechapskip
22771         {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
22772         \if@RTL\leftskip\else\righskip\fi \@tocrmarg
22773         \parfillskip -\if@RTL\leftskip\else\righskip\fi
22774         \parindent \cftchapindent\relax\@afterindenttrue
22775         \interlinepenalty\@M
22776         \leavevmode
22777         \@tempdima \cftchapnumwidth\relax
22778         \let\@cftbsnum \cftchappresnum
22779         \let\@cftasnum \cftchapaftersnum
22780         \let\@cftasnumb \cftchapaftersnumb
22781         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
22782         {\cftchapfont #1}\nobreak
22783         \cftchapfillnum{#2}}
22784     \fi}
22785 \fi
22786 \renewcommand*{\l@section}[2]{%
22787     \ifnum \c@tocdepth >\z@
22788         \if@cfthaschapter
22789             \vskip \cftbeforesecskip
22790         \else
22791             \addpenalty\@secpenalty
22792             \addvspace{\cftbeforesecskip}
22793         \fi
22794         {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
22795         \if@RTL\leftskip\else\righskip\fi \@tocrmarg
22796         \parfillskip -\if@RTL\leftskip\else\righskip\fi
22797         \parindent \cftsecindent\relax\@afterindenttrue
22798         \interlinepenalty\@M
22799         \leavevmode
22800         \@tempdima \cftsecnumwidth\relax
22801         \let\@cftbsnum \cftsecpresnum
22802         \let\@cftasnum \cftsecaftersnum
22803         \let\@cftasnumb \cftsecaftersnumb
22804         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
22805         {\cftsecfont #1}\nobreak
22806         \cftsecfillnum{#2}}
22807     \fi}
22808 \renewcommand*{\l@subsection}[2]{%
22809     \ifnum \c@tocdepth >\@ne
22810         \vskip \cftbeforesubsecskip
22811         {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
22812         \if@RTL\leftskip\else\righskip\fi \@tocrmarg
22813         \parfillskip -\if@RTL\leftskip\else\righskip\fi
22814         \parindent \cftsubsecindent\relax\@afterindenttrue

```



```

22815 \interlinepenalty\@M
22816 \leavevmode
22817 \@tempdima \cftsubsecnumwidth\relax
22818 \let\@cftbsnum \cftsubsecpresnum
22819 \let\@cftasnum \cftsubsecftersnum
22820 \let\@cftasnumb \cftsubsecftersnumb
22821 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22822 {\cftsubsecfont #1}\nobreak
22823 \cftsubsecfillnum{#2}}
22824 \fi}
22825 \renewcommand*\l@subsubsection}[2]{%
22826 \ifnum \c@tocdepth >\tw@
22827 \vskip \cftbeforesubsubsecskip
22828 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
22829 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22830 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22831 \parindent \cftsubsubsecindent\relax\@afterindenttrue
22832 \interlinepenalty\@M
22833 \leavevmode
22834 \@tempdima \cftsubsubsecnumwidth\relax
22835 \let\@cftbsnum \cftsubsubsecpresnum
22836 \let\@cftasnum \cftsubsubsecftersnum
22837 \let\@cftasnumb \cftsubsubsecftersnumb
22838 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22839 {\cftsubsubsecfont #1}\nobreak
22840 \cftsubsubsecfillnum{#2}}
22841 \fi}
22842 \renewcommand*\l@paragraph}[2]{%
22843 \ifnum \c@tocdepth >3\relax
22844 \vskip \cftbeforeparaskip
22845 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
22846 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22847 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22848 \parindent \cftparaindent\relax\@afterindenttrue
22849 \interlinepenalty\@M
22850 \leavevmode
22851 \@tempdima \cftparanumwidth\relax
22852 \let\@cftbsnum \cftparapresnum
22853 \let\@cftasnum \cftparaftersnum
22854 \let\@cftasnumb \cftparaftersnumb
22855 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22856 {\cftparafont #1}\nobreak
22857 \cftparafillnum{#2}}
22858 \fi}
22859 \renewcommand*\l@subparagraph}[2]{%
22860 \ifnum \c@tocdepth >4\relax
22861 \vskip \cftbeforesubparaskip
22862 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
22863 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22864 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22865 \parindent \cftsubparaindent\relax\@afterindenttrue
22866 \interlinepenalty\@M
22867 \leavevmode
22868 \@tempdima \cftsubparanumwidth\relax

```



```

22869 \let\@cftbsnum \cftsubparapresnum
22870 \let\@cftasnum \cftsubparaaftersnum
22871 \let\@cftasnumb \cftsubparaaftersnumb
22872 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22873 {\cftsubparafont #1}\nobreak
22874 \cftsubparafillnum{#2}}
22875 \fi}
22876 \renewcommand*{\l@figure}[2]{%
22877 \ifnum \c@lofdepth >\z@
22878 \vskip \cftbeforefigskip
22879 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
22880 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22881 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22882 \parindent \cftfigindent\relax\@afterindenttrue
22883 \interlinepenalty\@M
22884 \leavevmode
22885 \@tempdima \cftfignumwidth\relax
22886 \let\@cftbsnum \cftfigpresnum
22887 \let\@cftasnum \cftfigaftersnum
22888 \let\@cftasnumb \cftfigaftersnumb
22889 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22890 {\cftfigfont #1}\nobreak
22891 \cftfigfillnum{#2}}
22892 \fi
22893 }
22894 \renewcommand*{\l@table}[2]{%
22895 \ifnum\c@lotdepth >\z@
22896 \vskip \cftbeforetabskip
22897 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
22898 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22899 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22900 \parindent \cfttabindent\relax\@afterindenttrue
22901 \interlinepenalty\@M
22902 \leavevmode
22903 \@tempdima \cfttabnumwidth\relax
22904 \let\@cftbsnum \cfttabpresnum
22905 \let\@cftasnum \cfttabaftersnum
22906 \let\@cftasnumb \cfttabaftersnumb
22907 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22908 {\cfttabfont #1}\nobreak
22909 \cfttabfillnum{#2}}
22910 \fi
22911 }
22912 \renewcommand{\@cftl@subfig}{
22913 \renewcommand*{\l@subfigure}[2]{%
22914 \ifnum \c@lofdepth > \toclevel@subfigure
22915 \vskip \cftbeforesubfigskip
22916 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
22917 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22918 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22919 \parindent \cftsubfigindent\relax\@afterindenttrue
22920 \interlinepenalty\@M
22921 \leavevmode
22922 \@tempdima \cftsubfignumwidth\relax

```



```

22923 \let\@cftbsnum \cftsubfigpresnum
22924 \let\@cftasnum \cftsubfigaftersnum
22925 \let\@cftasnumb \cftsubfigaftersnumb
22926 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22927 {\cftsubfigfont ##1}\nobreak
22928 \cftsubfigfillnum{##2}}
22929 \fi
22930 }
22931 }
22932 \renewcommand{\@cftl@subtab}{
22933 \renewcommand*{\l@subtable}[2]{%
22934 \ifnum \c@lotdepth > \toclevel@subtable
22935 \vskip \cftbeforesubtabskip
22936 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
22937 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22938 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22939 \parindent \cftsubtabindent\relax\@afterindenttrue
22940 \interlinepenalty\@M
22941 \leavevmode
22942 \@tempdima \cftsubtabnumwidth\relax
22943 \let\@cftbsnum \cftsubtabpresnum
22944 \let\@cftasnum \cftsubtabaftersnum
22945 \let\@cftasnumb \cftsubtabaftersnumb
22946 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
22947 {\cftsubtabfont ##1}\nobreak
22948 \cftsubtabfillnum{##2}}
22949 \fi
22950 }
22951 }
22952 \renewcommand{\newlistentry}[4][\@empty]{%
22953 \@ifundefined{c@#2}{% check & set the counter
22954 \ifx \@empty#1\relax
22955 \newcounter{#2}
22956 \else
22957 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
22958 {#1 has no counter for use as a `within'}
22959 \newcounter{#2}}%
22960 {\newcounter{#2}[#1}%
22961 \expandafter\edef\csname the#2\endcsname{%
22962 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
22963 \fi
22964 \setcounter{#2}{0}
22965 }
22966 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
22967
22968 \@namedef{l@#2}##1##2{%
22969 \ifnum \@nameuse{c@#3depth} > #4\relax
22970 \vskip \@nameuse{cftbefore#2skip}
22971 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
22972 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22973 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22974 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
22975 \interlinepenalty\@M
22976 \leavevmode

```



```

22977 \tempdima \@nameuse{cft#2numwidth}\relax
22978 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
22979 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
22980 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
22981 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\right
22982 {\@nameuse{cft#2font}##1}\nobreak
22983 \@nameuse{cft#2fillnum}{##2}}
22984 \fi
22985 } % end of \l@#2
22986
22987 \expandafter\newlength\csname cftbefore#2skip\endcsname
22988 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
22989 \expandafter\newlength\csname cft#2indent\endcsname
22990 \expandafter\newlength\csname cft#2numwidth\endcsname
22991 \ifcase #4\relax % 0
22992 \setlength{\@nameuse{cft#2indent}}{0em}
22993 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
22994 \or % 1
22995 \setlength{\@nameuse{cft#2indent}}{1.5em}
22996 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
22997 \or % 2
22998 \setlength{\@nameuse{cft#2indent}}{3.8em}
22999 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
23000 \or % 3
23001 \setlength{\@nameuse{cft#2indent}}{7.0em}
23002 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
23003 \else % anything else
23004 \setlength{\@nameuse{cft#2indent}}{10.0em}
23005 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
23006 \fi
23007 \@namedef{cft#2font}{\normalfont}
23008 \@namedef{cft#2presnum}{\}
23009 \@namedef{cft#2aftersnum}{\}
23010 \@namedef{cft#2aftersnumb}{\}
23011 \@namedef{cft#2dotsep}{\cftdotsep}
23012 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
23013 \@namedef{cft#2pagefont}{\normalfont}
23014 \@namedef{cft#2afterpnum}{\}
23015 \@namedef{toclevel@#2}{#4}
23016 \@namedef{cft#2fillnum}##1{%
23017 {\@nameuse{cft#2leader}}\nobreak
23018 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
23019 } % end \newlistentry
23020 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
23021 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
23022 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
23023 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
23024 \textit{#1}\protect\par}}}}

```

156 File tocbasic-xetex-bidi.def

```

23025 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic package]
23026 \bidi@undef\scr@dte@def@l@undottedtocline
23027 \bidi@undef\scr@dte@undottedtocline@init

```




```

23028 \DeclareTOCEntryStyle{undottedtocline}{[%
23029   \DefineTOCEntryLengthOption{indent}%
23030   {scr@tso@}{@indent}{entry indent}%
23031   \DefineTOCEntryLengthOption{numwidth}%
23032   {scr@tso@}{@numwidth}{entry number width}%
23033   \@ifundefined{#1tocdepth}{%
23034     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
23035       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
23036         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
23037           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
23038             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
23039               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
23040                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
23041                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
23042                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
23043                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
23044                         \csname #1numdepth\endcsname
23045                     }%
23046                 }%
23047             }%
23048         }%
23049     }%
23050 }%
23051 }%
23052 }%
23053 }%
23054 }-}%
23055 \@ifundefined{scr@tso@#1@indent}{%
23056   \@ifundefined{scr@#1@tocindent}{%
23057     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23058       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23059         \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
23060           \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
23061             \scr@ifundefinedorrelax{1@chapter}{%
23062               \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
23063                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23064                   \Ifstr{#1}{subsubsection}{%
23065                     \@namedef{scr@tso@#1@indent}{3.8em}%
23066                   }%
23067                 \Ifstr{#1}{paragraph}{%
23068                   \@namedef{scr@tso@#1@indent}{7em}%
23069                 }%
23070                 \Ifstr{#1}{subparagraph}{%
23071                   \@namedef{scr@tso@#1@indent}{10em}%
23072                 }%
23073               }%
23074             }%
23075           }%
23076         }%
23077       }%
23078     }-}%
23079     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23080       \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
23081         \Ifstr{#1}{subsubsection}{%

```



```

23082         \@namedef{scr@tso@#1@indent}{7.0em}%
23083     }{%
23084         \Ifstr{#1}{paragraph}{%
23085             \@namedef{scr@tso@#1@indent}{10em}%
23086         }{%
23087             \Ifstr{#1}{subparagraph}{%
23088                 \@namedef{scr@tso@#1@indent}{12em}%
23089             }{%
23090                 }%
23091             }%
23092         }%
23093     }%
23094 }%
23095 }%
23096 }%
23097 }%
23098 }%
23099 }%
23100 }{%
23101     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
23102 }%
23103 }{%
23104 \ifundefined{scr@tso@#1@numwidth}{%
23105     \ifundefined{scr@#1@tocnumwidth}{%
23106         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23107             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23108                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
23109                     \scr@ifundefinedorrelax{chapter}{%
23110                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
23111                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23112                                 \Ifstr{#1}{subsubsection}{%
23113                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
23114                                 }{%
23115                                     \Ifstr{#1}{paragraph}{%
23116                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
23117                                     }{%
23118                                         \Ifstr{#1}{subparagraph}{%
23119                                             \@namedef{scr@tso@#1@numwidth}{5em}%
23120                                         }{%
23121                                             }%
23122                                         }%
23123                                     }%
23124                                 }%
23125                             }%
23126                         }{%
23127                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23128                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
23129                                     \Ifstr{#1}{subsubsection}{%
23130                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
23131                                     }{%
23132                                         \Ifstr{#1}{paragraph}{%
23133                                             \@namedef{scr@tso@#1@numwidth}{5em}%
23134                                         }{%
23135                                             \Ifstr{#1}{subparagraph}{%

```



```

23136 \namedef{scr@tso@#1@numwidth}{6em}%
23137 }{%
23138 }%
23139 }%
23140 }%
23141 }%
23142 }%
23143 }%
23144 }%
23145 }%
23146 }%
23147 }{%
23148 \namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
23149 }%
23150 }{}%
23151 }]{%
23152 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
23153 \ifnum \@nameuse{#1tocdepth}<\@ne
23154 \scr@ifundefinedorrelax{chapter}{%
23155 \addpenalty\@secpenalty
23156 \addvspace{1.0em \@plus\p@}%
23157 }{%
23158 \addpenalty{-\@highpenalty}%
23159 \vskip 1.0em \@plus\p@
23160 }%
23161 \else
23162 \addpenalty\@secpenalty
23163 \addvspace{1.0em \@plus\p@}%
23164 \fi
23165 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
23166 \begingroup
23167 \parindent \z@ \bidi@rightskip \@pnumwidth
23168 \parfillskip -\@pnumwidth
23169 \leavevmode
23170 \bfseries
23171 \advance\bidi@leftskip\@tempdima
23172 \Iftocfeature{\@currentt}{noindent}{%
23173 \hskip -\bidi@leftskip
23174 }{%
23175 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
23176 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
23177 }%
23178 ##1%
23179 \nobreak
23180 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
23181 \par
23182 \penalty\@highpenalty
23183 \endgroup
23184 \fi
23185 }
23186
23187 \bidi@undef\scr@dte@def@l@targetocline
23188 \bidi@undef\scr@dte@largetocline@init
23189 \DeclareTOCEntryStyle{largetocline}{[%

```



```

23190 \DefineTOCEntryLengthOption{indent}%
23191 {scr@tso@}{@indent}{entry indent}%
23192 \@ifundefined{#1tocdepth}{%
23193   \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
23194     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
23195       \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
23196         \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
23197           \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
23198             \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
23199               \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
23200                 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
23201                   \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
23202                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
23203                     \csname #1numdepth\endcsname
23204                   }%
23205                 }%
23206               }%
23207             }%
23208           }%
23209         }%
23210       }%
23211     }%
23212   }%
23213 }{%
23214 \@ifundefined{scr@tso@#1@indent}{%
23215   \ifundefined{scr@#1@tocindent}{%
23216     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23217       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23218         \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
23219           \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
23220             \scr@ifundefinedorrelax{1@chapter}{%
23221               \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
23222                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23223                   \Ifstr{#1}{subsubsection}{%
23224                     \@namedef{scr@tso@#1@indent}{3.8em}%
23225                   }{%
23226                     \Ifstr{#1}{paragraph}{%
23227                       \@namedef{scr@tso@#1@indent}{7em}%
23228                     }{%
23229                       \Ifstr{#1}{subparagraph}{%
23230                         \@namedef{scr@tso@#1@indent}{10em}%
23231                       }{%
23232                         }%
23233                       }%
23234                     }%
23235                   }%
23236                 }%
23237               }{%
23238                 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23239                   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
23240                     \Ifstr{#1}{subsubsection}{%
23241                       \@namedef{scr@tso@#1@indent}{7.0em}%
23242                     }{%
23243                       \Ifstr{#1}{paragraph}{%

```



```

23244 \namedef{scr@tso@#1@indent}{10em}%
23245 }{%
23246 \Ifstr{#1}{subparagraph}{%
23247 \namedef{scr@tso@#1@indent}{12em}%
23248 }{%
23249 }%
23250 }%
23251 }%
23252 }%
23253 }%
23254 }%
23255 }%
23256 }%
23257 }%
23258 }%
23259 }{%
23260 \namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
23261 }%
23262 }{%}%
23263 }]{%
23264 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
23265 \ifnum \@nameuse{#1tocdepth}<\@ne
23266 \scr@ifundefinedorrelax{chapter}{%
23267 \addpenalty\@secpenalty
23268 \addvspace{2.25em \@plus\p}%
23269 }{%
23270 \addpenalty{-\@highpenalty}%
23271 \addvspace{2.25em \@plus\p}%
23272 }%
23273 \else
23274 \addpenalty\@secpenalty
23275 \addvspace{2.25em \@plus\p}%
23276 \fi
23277 \setlength\@tempdima{3em}%
23278 \begingroup
23279 \parindent \z@ \bidi@rightskip \@pnumwidth
23280 \parfillskip -\@pnumwidth
23281 \leavevmode
23282 \large
23283 \bfseries
23284 \Iftocfeature{\@currentt}{noindent}{%
23285 }{%
23286 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
23287 }%
23288 ##1%
23289 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
23290 \par
23291 \nobreak
23292 \ifnum 0=
23293 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
23294 \global\@nobreaktrue
23295 \everypar{\global\@nobreakfalse\everypar{}}%
23296 \fi
23297 \endgroup

```



```

23298 \fi
23299 }
23300
23301 \renewcommand*{\scr@dte@tocline}[3]{%
23302 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
23303 \else
23304 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
23305 \addvspace{\@nameuse{scr@tso@#1beforeskip}}\relax
23306 \@nameuse{Ifscr@tso@#1dynindent}{%
23307 \expandafter\ifx\c@name scr@tso@#1indentfollows\endcsname\@empty
23308 \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
23309 \else
23310 \edef\reserved@a{\@nameuse{scr@tso@#1indentfollows}}%
23311 \@for \reserved@a:=\reserved@a\do {%
23312 \scr@trim@spaces\reserved@a
23313 \ifx\reserved@a\@empty\else
23314 \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
23315 }{%
23316 \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
23317 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
23318 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
23319 \scr@ifundefinedorrelax
23320 {scr@dte@\reserved@a @lastmaxnumwidth}{%
23321 \advance\@tempdima
23322 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
23323 }{%
23324 \advance\@tempdima
23325 \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
23326 }%
23327 }{%
23328 \advance\@tempdima
23329 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
23330 }%
23331 \ifdim \@tempdima>\@nameuse{scr@tso@#1indent}\relax
23332 \expandafter\edef\c@name scr@tso@#1indent\endcsname
23333 {\the\@tempdima}%
23334 \fi
23335 \fi
23336 }%
23337 \fi
23338 }%
23339 \fi
23340 }{}%
23341 {%
23342 \Iftocfeature{\@currentx}{noindent}{%
23343 \bidi@leftskip \z@
23344 }{%
23345 \bidi@leftskip \@nameuse{scr@tso@#1indent}\relax
23346 }%
23347 \bidi@rightskip \@nameuse{scr@tso@#1rightindent}\relax
23348 \parfillskip -\bidi@rightskip
23349 \@nameuse{Ifscr@tso@#1raggedpage}{%
23350 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
23351 }{}%

```



```

23352 \iftocfeature{\@currentt}{noindent}{%
23353 \parindent \z@
23354 }{%
23355 \parindent \@nameuse{scr@tso@#1@indent}\relax
23356 }%
23357 \@afterindenttrue
23358 \interlinepenalty\@M
23359 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
23360 \addtolength\@bidi@rightskip\@flushglue
23361 \else
23362 \def\reserved@a{\raggedright}%
23363 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
23364 \addtolength\@bidi@rightskip\@flushglue
23365 \else
23366 \renewcommand\reserved@a{\raggedright}%
23367 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
23368 \addtolength\@bidi@rightskip\@flushglue
23369 \fi
23370 \fi
23371 \fi
23372 \leavevmode
23373 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
23374 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
23375 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{-%
23376 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
23377 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
23378 \fi
23379 }%
23380 }{%
23381 \advance\@bidi@leftskip \@tempdima
23382 \null\nobreak\hskip -\@bidi@leftskip
23383 {%
23384 \usetocbasicnumberline
23385 \let\scr@dte@numberline@box\numberline@box
23386 \def\numberline@box##1{%
23387 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
23388 \global\scr@dte@tocline@numberwidth
23389 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
23390 \relax
23391 \ifdim \scr@dte@tocline@numberwidth
23392 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
23393 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
23394 \fi
23395 \@nameuse{Ifscr@tso@#1@dynnumwidth}{-%
23396 \ifdim \scr@dte@tocline@numberwidth
23397 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
23398 +\@nameuse{scr@tso@#1@numsep}\relax\relax
23399 \PackageWarning{tocbasic}{%
23400 number width of #1 toc entries should be
23401 increased!\MessageBreak
23402 Currently used number width =
23403 \the\wd\scr@dte@tocline@numbox,\MessageBreak
23404 Wanted number separation
23405 \space\space\space =

```



```

23406         \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
23407         Reserved number width \space\space\space\space\space\space =
23408         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
23409     }%
23410     \fi
23411 }%
23412 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
23413 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
23414     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
23415 }{}%
23416 }%
23417 {\@nameuse{scr@tso@#1@entryformat}{%
23418     #2%
23419     \nobreak
23420     {%
23421         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
23422         \nobreak
23423         \expandafter\let\expandafter\scr@dte@pagenumberwidth
23424         \csname scr@tso@#1@pagenumberwidth\endcsname
23425         \@nameuse{scr@tso@#1@pagenumberbox}{%
23426             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
23427         }%
23428     }%
23429 }}\@par
23430 }%
23431 }%
23432 \tocbasic@SetPenaltyByTOCLevel{#1}%
23433 \fi
23434 }
23435
23436
23437 \bidi@undef\scr@dte@def@l@tocline
23438 \bidi@undef\scr@dte@tocline@init
23439 \DeclareTOCEntryStyle{tocline}[{%
23440     \DefineTOCEntryLengthOption{beforeskip}%
23441     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
23442     \DefineTOCEntryIfOption{breakafternumber}%
23443     {scr@tso@}{@breakafternumber}{line break after number flag}%
23444     \DefineTOCEntryIfOption{dynnumwidth}%
23445     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
23446     \DefineTOCEntryListOption{indentfollows}%
23447     {scr@tso@}{@indentfollows}{list of levels that define the indent}%
23448     \DefineTOCEntryIfOption{dynindent}%
23449     {scr@tso@}{@dynindent}{dynamic indent width flag}%
23450     \DefineTOCEntryCommandOption{entryformat}%
23451     {scr@tso@}{@entryformat}[1]{entry format}%
23452     \DefineTOCEntryCommandOption{entrynumberformat}%
23453     {scr@tso@}{@numberformat}[1]{entry number format}%
23454     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
23455     {scr@tso@}{@linefill}{filling between text and page number}%
23456     \DefineTOCEntryLengthOption{numsep}%
23457     {scr@tso@}{@numsep}{entry number separation}%
23458     \DefineTOCEntryCommandOption{onstarthigherlevel}%
23459     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%

```




```

23460 \DefineTOCEntryCommandOption{onstartlowerlevel}%
23461 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
23462 \DefineTOCEntryCommandOption{onstartsamelevel}%
23463 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
23464 \DefineTOCEntryCommandOption{pagenumberbox}%
23465 {scr@tso@}{@pagenumberbox}[1]{page number box}%
23466 \DefineTOCEntryCommandOption{pagenumberformat}%
23467 {scr@tso@}{@pagenumberformat}[1]{page number format}%
23468 \DefineTOCEntryLengthOption{pagenumberwidth}%
23469 {scr@tso@}{@pagenumberwidth}{width of page number box}%
23470 \DefineTOCEntryLengthOption{rightindent}%
23471 {scr@tso@}{@rightindent}{entry's text right indent}%
23472 \DefineTOCEntryOption{raggedentrytext}[true]{%
23473 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
23474 \ifx\FamilyKeyState\FamilyKeyStateProcessed
23475 \if@tempswa
23476 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
23477 \raggedright
23478 \else
23479 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
23480 \relax
23481 \fi
23482 \fi
23483 }%
23484 \DefineTOCEntryIfOption{raggedpagenumber}%
23485 {scr@tso@}{@raggedpage}{page number ragged flag}%
23486 \DefineTOCEntryLengthOption{indent}%
23487 {scr@tso@}{@indent}{entry indent}%
23488 \DefineTOCEntryLengthOption{numwidth}%
23489 {scr@tso@}{@numwidth}{entry number width}%
23490 \scr@ifundefinedorrelax{#1tocdepth}{%
23491 \Ifstrstart{#1}{sub}{%
23492 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
23493 \expandafter\edef\csname #1tocdepth\endcsname{%
23494 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
23495 }%
23496 }%
23497 }{}%
23498 }{}%
23499 \@ifundefined{#1tocdepth}{%
23500 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
23501 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
23502 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
23503 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
23504 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
23505 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
23506 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
23507 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
23508 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
23509 \expandafter\let\csname #1tocdepth\endcsname
23510 \csname #1numdepth\endcsname
23511 }%
23512 }%
23513 }%

```



```

23514         }%
23515     }%
23516 }%
23517 }%
23518 }%
23519 }%
23520 }{}%
23521 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
23522     \@ifundefined{scr@#1@tocindent}{%
23523         \Ifstrstart{#1}{sub}{%
23524             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
23525                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
23526                 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
23527                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
23528                 \relax
23529             }%
23530         }%
23531     }{}%
23532     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
23533         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
23534             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
23535         \relax
23536     }%
23537 }{}%
23538     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
23539         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
23540         +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
23541     \relax
23542 }%
23543 }%
23544 }%
23545 }{}%
23546 }{}%
23547     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
23548 }%
23549 }{}%
23550 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
23551     \Ifstrstart{#1}{sub}{%
23552         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
23553             \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
23554         }{}%
23555         \expandafter\let
23556         \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
23557         \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
23558     }%
23559 }{}%
23560     \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
23561 }%
23562 }{}%
23563 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
23564     \Ifstrstart{#1}{sub}{%
23565         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
23566             \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
23567         }{}%

```



```

23568     \expandafter\let
23569     \csname scr@tso@#1@rightindent\expandafter\endcsname
23570     \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
23571   }%
23572 }{%
23573   \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
23574 }%
23575 }{%}%
23576 \@ifundefined{scr@tso@#1@indent}{%
23577   \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23578     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23579       \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
23580         \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
23581           \scr@ifundefinedorrelax{l@chapter}{%
23582             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
23583               \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23584                 \Ifstr{#1}{subsubsection}{%
23585                   \@namedef{scr@tso@#1@indent}{3.8em}%
23586                 }{%
23587                   \Ifstr{#1}{paragraph}{%
23588                     \@namedef{scr@tso@#1@indent}{7em}%
23589                   }{%
23590                     \Ifstr{#1}{subparagraph}{%
23591                       \@namedef{scr@tso@#1@indent}{10em}%
23592                     }{%
23593                       }%
23594                     }%
23595                   }%
23596                 }%
23597               }%
23598             }{%
23599               \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
23600                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
23601                   \Ifstr{#1}{subsubsection}{%
23602                     \@namedef{scr@tso@#1@indent}{7.0em}%
23603                   }{%
23604                     \Ifstr{#1}{paragraph}{%
23605                       \@namedef{scr@tso@#1@indent}{10em}%
23606                     }{%
23607                       \Ifstr{#1}{subparagraph}{%
23608                         \@namedef{scr@tso@#1@indent}{12em}%
23609                       }{%
23610                         }%
23611                       }%
23612                     }%
23613                   }%
23614                 }%
23615               }%
23616             }%
23617           }%
23618         }%
23619       }%
23620     }{%}%
23621   \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%

```



```

23622 \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
23623 \Ifstrstart{#1}{sub}{%
23624 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
23625 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
23626 \glueexpr \noexpand\@nameuse{scr@tso@#1@numwidth}%
23627 +.9em%
23628 \relax
23629 }%
23630 }%
23631 }{}%
23632 }{%
23633 \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
23634 }%
23635 }{}%
23636 \@ifundefined{scr@tso@#1@numwidth}{%
23637 \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23638 \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23639 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
23640 \scr@ifundefinedorrelax{chapter}{%
23641 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
23642 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23643 \Ifstr{#1}{subsubsection}{%
23644 \@namedef{scr@tso@#1@numwidth}{3.2em}%
23645 }{%
23646 \Ifstr{#1}{paragraph}{%
23647 \@namedef{scr@tso@#1@numwidth}{4.1em}%
23648 }{%
23649 \Ifstr{#1}{subparagraph}{%
23650 \@namedef{scr@tso@#1@numwidth}{5em}%
23651 }{%
23652 }%
23653 }%
23654 }%
23655 }%
23656 }%
23657 }{%
23658 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
23659 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
23660 \Ifstr{#1}{subsubsection}{%
23661 \@namedef{scr@tso@#1@numwidth}{3.1em}%
23662 }{%
23663 \Ifstr{#1}{paragraph}{%
23664 \@namedef{scr@tso@#1@numwidth}{5em}%
23665 }{%
23666 \Ifstr{#1}{subparagraph}{%
23667 \@namedef{scr@tso@#1@numwidth}{6em}%
23668 }{%
23669 }%
23670 }%
23671 }%
23672 }%
23673 }%
23674 }%
23675 }%

```



```

23676     }%
23677   }%
23678 }{}%
23679 \expandafter\renewcommand%
23680 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
23681 \expandafter\renewcommand%
23682 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
23683 \expandafter\renewcommand%
23684 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
23685 \@ifundefined{scr@tso@#1@beforeskip}{%
23686   \Ifstr{#1}{part}{%
23687     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
23688   }{%
23689     \Ifstr{#1}{chapter}{%
23690       \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
23691     }%
23692     \Ifstr{#1}{section}{%
23693       \scr@ifundefinedorrelax{1@chapter}{%
23694         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
23695       }{}%
23696     }{}%
23697   }%
23698 }%
23699 \expandafter\renewcommand\expandafter*%
23700 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
23701 }{}%
23702 \@ifundefined{scr@dte@#1@maxnumwidth}{%
23703   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
23704   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
23705 }{}%
23706 \renewcommand*{\scr@dte@donumwidth}{}%
23707 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
23708 \expandafter\renewcommand\expandafter*%
23709 \csname scr@tso@#1@numsep\endcsname{.4em}%
23710 \expandafter\renewcommand%
23711 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
23712 \Ifstr{#1}{part}{%
23713   \expandafter\providecommand%
23714   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
23715 }{%
23716   \Ifstr{#1}{chapter}{%
23717     \expandafter\providecommand%
23718     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
23719   }{%
23720     \scr@ifundefinedorrelax{1@chapter}{%
23721       \Ifstr{#1}{section}{%
23722         \expandafter\providecommand%
23723         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
23724       }{}%
23725     }{}%
23726     \expandafter\providecommand%
23727     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
23728   }%
23729 }%

```



```

23730 \expandafter\renewcommand
23731 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
23732 \@ifundefined{scr@tso@#1@linefill}{%
23733   \Ifstr{#1}{part}{%
23734     \@namedef{scr@tso@#1@linefill}{\hfill}%
23735   }{%
23736     \Ifstr{#1}{chapter}{%
23737       \@namedef{scr@tso@#1@linefill}{\hfill}%
23738     }{%
23739       \scr@ifundefinedorrelax{1@chapter}{%
23740         \Ifstr{#1}{section}{%
23741           \@namedef{scr@tso@#1@linefill}{\hfill}%
23742         }{}%
23743       }{}%
23744       \expandafter\renewcommand%
23745       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23746     }%
23747   }%
23748 }{}%
23749 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
23750 \Ifstr{#1}{part}{%
23751   \expandafter\providecommand%
23752   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
23753 }{%
23754   \Ifstr{#1}{chapter}{%
23755     \expandafter\providecommand%
23756     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
23757   }{%
23758     \scr@ifundefinedorrelax{1@chapter}{%
23759       \Ifstr{#1}{section}{%
23760         \expandafter\providecommand%
23761         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
23762       }{}%
23763     }{}%
23764     \expandafter\providecommand%
23765     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23766       {\normalfont\normalcolor ##1}}%
23767   }%
23768 }%
23769 \expandafter\renewcommand%
23770 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
23771   \hb@xt@\@nameuse{scr@dte@pagenumberwidth}{\hfil ##1}}%
23772 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
23773 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
23774 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
23775   \Ifstrstart{#1}{sub}{%
23776     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
23777       \scr@dte@nosub{#1}%
23778     }%
23779   }{%
23780     \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
23781   }%
23782 }{}%
23783 }]{%

```



```

23784 \scr@dte@tocline{#1}{##1}{##2}%
23785 }
23786
23787 \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
23788 \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
23789 {\normalfont\normalcolor #1}%
23790 }%
23791 }{}
23792
23793 \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
23794 \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
23795 {\normalfont\normalcolor #1}%
23796 }%
23797 }{}
23798

```

157 File `tocstyle-xetex-bidi.def`

```

23799 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
23800 \renewcommand*{\tocstyle@dottedtocline}[5]{%
23801 \let\numberline\tocstyle@numberline
23802 \ifnum #1>\c@tocdepth \else
23803 \if@tocstyle@penalties
23804 \begingroup
23805 \@tempcnta 20010
23806 \advance \@tempcnta by -#1
23807 \ifnum \@tempcnta>\lastpenalty
23808 \aftergroup\penalty\aftergroup\@lowpenalty
23809 \fi
23810 \endgroup
23811 \fi
23812 \edef\tocstyledepth{#1}%
23813 \tocstyle@activate@features
23814 \ifx\tocstyle@feature@entryvskip\relax
23815 \vskip \z@ \@plus.2\p@
23816 \else
23817 \addvspace{\tocstyle@feature@entryvskip}%
23818 \fi
23819 {%
23820 \parskip \z@ \parindent \z@ \if@RTL\righskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
23821 \tocstyle@feature@raggedhook
23822 \@tempdima #3\relax
23823 \@tempdimb #2\relax
23824 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
23825 \ifnum #1>\z@\relax
23826 \@tempcnta #1\relax \advance\@tempcnta \m@ne
23827 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23828 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23829 \@tempdimb
23830 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23831 \advance\@tempdimb
23832 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
23833 \fi
23834 \fi

```



```

23835 \fi
23836 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23837 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
23838 \ifdim \@tempdimb>
23839 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
23840 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
23841 @#1\endcsname{\the\@tempdimb}%
23842 \fi
23843 \else
23844 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
23845 @#1\endcsname{\the\@tempdimb}%
23846 \fi
23847 \iftocstyle@autolength
23848 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
23849 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
23850 \relax
23851 \fi
23852 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
23853 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
23854 \relax
23855 \fi
23856 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
23857 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23858 \else
23859 \@tempdimb #2\relax
23860 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23861 \fi
23862 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
23863 \ifdim \@tempdima>
23864 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
23865 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
23866 @\endcsname{\the\@tempdima}%
23867 \fi
23868 \else
23869 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
23870 @\endcsname{\the\@tempdima}%
23871 \fi
23872 \ifcase\tocstyle@indentstyle\relax\else
23873 \@tempdimb \z@
23874 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
23875 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
23876 \relax
23877 \fi
23878 \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
23879 \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
23880 \fi
23881 \advance\parindent \@tempdimb\@afterindenttrue
23882 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
23883 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
23884 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
23885 \ifx\tocstyle@feature@parfillskip\relax\else
23886 \advance\parfillskip \tocstyle@feature@parfillskip\relax
23887 \fi
23888 \interlinepenalty\@M

```




```

23889 \leavevmode
23890 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
23891 \null\nobreak
23892 \iftocstyle@indentnotnumbered\else
23893 \hskip -\if@RTL\rightskip\else\leftskip\fi
23894 \fi
23895 \tocstyle@feature@entryhook
23896 {#4}\nobreak
23897 \ifx\tocstyle@feature@leaders\relax
23898 \leaders\hbox{$\m@th
23899 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
23900 \mkern \@dotsep mu$}\hfill
23901 \else
23902 \tocstyle@feature@leaders
23903 \fi
23904 \nobreak
23905 \ifx\tocstyle@feature@pagenumberbox\relax
23906 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
23907 \else
23908 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
23909 \fi
23910 \par
23911 }%
23912 \if@tocstyle@penalties
23913 \bgroup
23914 \@tempcnta 20009
23915 \advance\@tempcnta by -#1
23916 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
23917 \reserved@a
23918 \fi
23919 \fi}
23920 \renewcommand*{\tocstyle@numberline}[1]{%
23921 \begingroup
23922 \ifx\tocstyle@feature@spaceafternumber\relax
23923 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
23924 \else
23925 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
23926 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
23927 \fi
23928 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
23929 \ifdim \@tempdima >
23930 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
23931 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
23932 @\tocstyledepth\endcsname{\the\@tempdima}%
23933 \fi
23934 \else
23935 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
23936 @\tocstyledepth\endcsname{\the\@tempdima}%
23937 \fi
23938 \endgroup
23939 \iftocstyle@indentnotnumbered
23940 \hskip -\if@RTL\rightskip\else\leftskip\fi
23941 \fi
23942 \ifcase \tocstyle@indentstyle

```



```

23943 \hb@xt@{\tempdima{\tocstyle@numberline{#1}\hfil}%
23944 \or
23945 \hb@xt@{\tempdima{\tocstyle@numberline{#1}\hfil}%
23946 \else
23947 \ifx\tocstyle@feature@spaceafternumber\relax
23948 \hbox{\tocstyle@numberline{#1}\enskip}%
23949 \else
23950 \hbox{\tocstyle@numberline{#1}\hskip
23951 \tocstyle@feature@spaceafternumber\relax}%
23952 \fi
23953 \fi
23954 }
23955 \AtBeginDocument{%
23956 \ifcsname l@part\endcsname
23957 \ifcsname l@chapter\endcsname
23958 \setbox\@tempboxa\vbox{\hsize\maxdimen
23959 \l@part{\tocstyle@l@define{part}{-1}}{}}%
23960 \else
23961 \setbox\@tempboxa\vbox{\hsize\maxdimen
23962 \l@part{\tocstyle@l@define{part}{0}}{}}%
23963 \fi
23964 \fi
23965 \ifcsname l@chapter\endcsname
23966 \setbox\@tempboxa\vbox{\hsize\maxdimen
23967 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
23968 \fi
23969 \ifcsname l@section\endcsname
23970 \setbox\@tempboxa\vbox{\hsize\maxdimen
23971 \l@section{\tocstyle@l@define{section}{1}}{}}%
23972 \fi
23973 \ifcsname l@subsection\endcsname
23974 \setbox\@tempboxa\vbox{\hsize\maxdimen
23975 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
23976 \fi
23977 \ifcsname l@subsubsection\endcsname
23978 \setbox\@tempboxa\vbox{\hsize\maxdimen
23979 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
23980 \fi
23981 \ifcsname l@paragraph\endcsname
23982 \setbox\@tempboxa\vbox{\hsize\maxdimen
23983 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
23984 \fi
23985 \ifcsname l@subparagraph\endcsname
23986 \setbox\@tempboxa\vbox{\hsize\maxdimen
23987 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
23988 \fi
23989 \ifcsname l@table\endcsname
23990 \setbox\@tempboxa\vbox{\hsize\maxdimen
23991 \l@table{\tocstyle@l@define{table}{1}}{}}%
23992 \fi
23993 \ifcsname l@figure\endcsname
23994 \setbox\@tempboxa\vbox{\hsize\maxdimen
23995 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
23996 \fi

```



```

23997 \def\@tempa#1#2#3#4#5{%
23998   \ifnum #1>\c@tocdepth \else
23999     \vskip \z@ \@plus.2\p@
24000     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocdepth
24001     \parindent #2\relax\@afterindenttrue
24002     \interlinepenalty\@M
24003     \leavevmode
24004     \@tempdima #3\relax
24005     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
24006     {#4}\nobreak
24007     \leaders\hbox{$\m@th
24008       \mkern \dotsep mu\hbox{.}\mkern \dotsep
24009       mu$}\hfill
24010     \nobreak
24011     \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
24012   \par}%
24013 \fi}%
24014 \ifx\@dottedtocline\@tempa\else
24015   \tocstyle@macrochangewarning\@dottedtocline
24016 \fi
24017 \let\tocstyle@saved\@dottedtocline\@dottedtocline
24018 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
24019 \ifx\numberline\@tempa\else
24020   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
24021   \ifx\numberline\@tempa\else
24022     \tocstyle@macrochangewarning\numberline
24023   \fi
24024 \fi
24025 \let\tocstyle@saved\@numberline\@numberline
24026 }
24027 \renewcommand*{\tocstyle@l@define}[2]{%
24028   \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
24029   \edef\@tempa{%
24030     \noexpand\global\noexpand\let
24031     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
24032     \expandafter\noexpand\csname l@#1\endcsname
24033     \noexpand\gdef
24034     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
24035       \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
24036     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
24037       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
24038       \expandafter\noexpand\csname tocstyle@l@#1\endcsname
24039     }%
24040   }%
24041   \PackageInfo{tocstyle}{prepare \expandafter\string
24042     \csname l@#1\endcsname\space for redefinition}%
24043   \@tempa
24044 }

```

158 File todonotes-xetex-bidi.def

```

24045 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
24046 \newif\if@bidi@todonotes@textdirection@RTL
24047 \newif\if@bidi@todonotes@figposition@right

```



```

24048 \newcommand{\@bidi@todonotes@align}{}%
24049 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
24050 \newcommand{\@bidi@todonotes@textdirection}{}%
24051 \define@choicekey{todonotes}{textdirection}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,
24052 \ifcase\bidi@todonotes@tempb\relax
24053 \@bidi@todonotes@textdirection@RTLtrue
24054 \let\bidi@todonotes@textdirection\RLE
24055 \or
24056 \@bidi@todonotes@textdirection@RTLfalse
24057 \let\bidi@todonotes@textdirection\LRE
24058 \fi}
24059 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,
24060 \ifcase\bidi@todonotes@tempb\relax
24061 \@bidi@todonotes@figposition@righttrue
24062 \or
24063 \@bidi@todonotes@figposition@rightfalse
24064 \fi}
24065 \if@todonotes@disabled%
24066 \else % \if@todonotes@disabled
24067 \renewcommand{\@todonotes@drawInlineNote}{%
24068 \if@todonotes@dviStyle%
24069 {\par\noindent\begin{tikzpicture}[remember picture]%
24070 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
24071 \if@todonotes@authorgiven%
24072 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
24073 \else%
24074 {\noindent \@todonotes@sizecommand \@todonotes@text}%
24075 \fi
24076 {\par\noindent\begin{tikzpicture}[remember picture]%
24077 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
24078 \else%
24079 {\par\noindent\begin{tikzpicture}[remember picture]%
24080 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
24081 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@a
24082 \if@todonotes@authorgiven%
24083 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text
24084 \else%
24085 {\noindent \@todonotes@sizecommand \@todonotes@text}%
24086 \fi};%
24087 \end{tikzpicture}\par}%
24088 \fi}%
24089 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
24090 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
24091 \node [coordinate] (inText) {};%
24092 \end{tikzpicture}%
24093 \marginpar[{\% Draw note in left margin
24094 \@todonotes@drawMarginNote%
24095 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
24096 }]{\% Draw note in right margin
24097 \@todonotes@drawMarginNote%
24098 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
24099 }%
24100 }%
24101 \renewcommand{\@todonotes@drawMarginNote}{%

```



```

24102 \if@todonotes@dviStyle%
24103   \begin{tikzpicture}[remember picture]%
24104     \draw node[notestyle] {};%
24105   \end{tikzpicture}\\%
24106   \begin{minipage}{\@todonotes@textwidth}%
24107     \if@todonotes@authorgiven%
24108       \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
24109     \else%
24110       \@todonotes@sizecommand \@todonotes@text%
24111     \fi%
24112   \end{minipage}\\%
24113   \begin{tikzpicture}[remember picture]%
24114     \draw node[notestyle] (inNote) {};%
24115   \end{tikzpicture}%
24116 \else%
24117   \let\originalHbadness\hbadness%
24118   \hbadness 100000%
24119   \begin{tikzpicture}[remember picture,baseline=(X.base)]%
24120     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
24121     \node(X){\vphantom{X}};%
24122     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
24123     \if@todonotes@authorgiven%
24124       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@sizecommand\@todonotes@author};%
24125       \node(Y)[below=of X]{};%
24126       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
24127     \else%
24128       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
24129     \fi%
24130   \end{tikzpicture}%
24131   \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
24132   \fi%
24133 \end{tikzpicture}%
24134 \hbadness \originalHbadness%
24135 \fi}%
24136 \renewcommand{\missingfigure}[2][]{\%
24137 \setkeys{todonotes}{#1}%
24138 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
24139 \par
24140 \noindent
24141 \begin{tikzpicture}
24142 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
24143   (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
24144 \if@bidi@todonotes@figposition@right%
24145 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
24146 \fi%
24147 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
24148   (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
24149 \if@bidi@todonotes@figposition@right%
24150 \end{scope}
24151 \begin{scope}[xshift=-3.8cm]
24152 \fi%
24153 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
24154 \draw (2, -0.3) node[right, text

```



```

24156     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
24157 \if@bidi@todonotes@figposition@right%
24158 \end{scope}
24159 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
24160 \fi%
24161 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}};
24162 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}};
24163 \if@bidi@todonotes@figposition@right%
24164 \end{scope}
24165 \fi%
24166 \end{tikzpicture}\hfill
24167 }% Ending \missingfigure command
24168 \fi % Ending \@todonotes@ifdisabled
24169 \presetkeys%
24170     {todonotes}%
24171     {align=left,%
24172     textdirection=lefttoright,%
24173     figposition=left}{}%

```

159 File wrapfig-xetex-bidi.def

```

24174 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package]
24175 \let\WF@@everypar\@everypar
24176 \def\WF@putfigmaybe{%
24177 \ifinner
24178   \vskip-\parskip \global\WF@floatfalse
24179   \let\pagetotal\maxdimen % kludge flag for "not top of page"
24180 \else % outer page
24181   \@tempdima\pagedepth % save page depth
24182   {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
24183   \penalty\interlinepenalty % update pg. parameters
24184   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
24185   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
24186     \global\WF@floatfalse
24187     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
24188   \else
24189     \ifdim\WF@size>\@tempdimb
24190       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
24191       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
24192       \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
24193       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
24194       \advance\dimen@.5\baselineskip
24195       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
24196         \global\WF@floatfalse \pagebreak
24197       \fi
24198     \else % \WF@info{Fits in \the\@tempdimb;}%
24199       \global\WF@floatfalse
24200     \fi\fi
24201     \vskip\@tempdima\relax % (return erased page depth)
24202 \fi
24203 \noindent
24204 \ifWF@float
24205   \WF@fltmes
24206 \else % putting here;

```



```

24207 \WF@info{Put \WF@wfname here:}%
24208 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
24209 \lcode`i`l\lcode`o`r\else \lcode`i`r\lcode`o`l\fi
24210 \xdef\WF@place{\the\lcode\lcode\WF@place}}% twice to get only l or r
24211 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
24212 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
24213 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
24214 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
24215 \xdef\WF@adjlw{\the\@tempdima}%
24216 \ifnum `l=\WF@place % fig on left
24217 \if@RTL%
24218 \kern\@tempdimb \kern\columnsep
24219 \def\@tempa{\hss}% position to left of the gap
24220 \else%
24221 \hss % figure overlaps space to the left
24222 \def\@tempa{\kern\columnsep}% position to left of the gap
24223 \fi%
24224 \else % fig on right
24225 \if@RTL%
24226 \hss
24227 \@tempdima\z@
24228 \def\@tempa{\kern\columnsep}
24229 \else%
24230 \@tempdima\z@ % no left indentation
24231 \kern\@tempdimb \kern\columnsep
24232 \def\@tempa{\hss}% figure overlaps space to the right
24233 \fi%
24234 \fi
24235 \ifdim\@tempdimb<\hsize
24236 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
24237 \xdef\WF@adjtlm{\the\@tempdima}%
24238 \else
24239 \xdef\WF@wrapil{\z@ \the\hsize}%
24240 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
24241 \fi
24242 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
24243 \global\advance\WF@size-\intextsep
24244 \else % \WF@info{Putting \WF@wfname in middle of page}%
24245 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
24246 \fi \dp\WF@box\z@ \box\WF@box \@tempa
24247 }% end \hbox to Opt
24248 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
24249 \fi}

```

160 File xcolor-xetex-bidi.def

```

24250 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package for
24251 \long\def\color@b@x#1#2#3%
24252 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
24253 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
24254 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
24255 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
24256 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
24257 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup

```



```

24258 \DeclareRobustCommand\color
24259 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor]}
24260 \def\@undeclaredcolor[#1]#2%
24261 {\begingroup
24262 \let\@ccls\@empty
24263 \XC@getmodclr12{#1}{#2}{}}%
24264 {\ifblendcolors
24265 \ifx\colorblend\@empty\else
24266 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
24267 \XC@coremodel\@mod\@clr\xcolor@{}}\@mod\@clr
24268 \fi
24269 \fi
24270 \ifconvertcolorsU
24271 \edef\@tmp{\XC@tgt@mod{\@mod}}%
24272 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
24273 \fi
24274 \ifmaskcolors
24275 \convertcolorspec\@mod\@clr\XC@mmod\@clr
24276 \let\@mod\XC@mmod
24277 \XC@inflate\@mod\XC@mlr\@clr\@tmp
24278 \expandafter\XC@mul\@tmp,\@clr
24279 \fi
24280 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
24281 \expandafter\endgroup\@tmp}}
24282 \def\@declaredcolor#1%
24283 {\XC@edef\XC@tmp{#1}\XC@tstfalse
24284 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
24285 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
24286 \ifconvertcolorsU\XC@tsttrue\fi
24287 \fi
24288 \ifXC@tst
24289 \expandafter\XC@declaredcolor\else
24290 \expandafter\XC@declaredc@lor\fi}
24291 \def\XC@undeclaredcolor#1#2%
24292 {\@ifundefinedmodel{#1}%
24293 {\c@lor@error{model `#1'}}%
24294 {\@nameuse{color@#1}\current@color{#2}}%
24295 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
24296 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
24297 \def\XC@declaredc@lor
24298 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
24299 \edef\current@color{\XC@current@color}%
24300 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
24301 \DeclareRobustCommand\bidicolor
24302 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]}
24303 \def\@bidiundeclaredcolor[#1]#2%
24304 {\begingroup
24305 \let\@ccls\@empty
24306 \XC@getmodclr12{#1}{#2}{}}%
24307 {\ifblendcolors
24308 \ifx\colorblend\@empty\else
24309 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
24310 \XC@coremodel\@mod\@clr\xcolor@{}}\@mod\@clr
24311 \fi

```




```

24312 \fi
24313 \ifconvertcolorsU
24314 \edef\@tmp{\XC@tgt@mod{\@mod}}%
24315 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
24316 \fi
24317 \ifmaskcolors
24318 \convertcolorspec\@mod\@clr\XC@mmod\@clr
24319 \let\@mod\XC@mmod
24320 \XC@inflate\@mod\XC@mclr\@clr\@tmp
24321 \expandafter\XC@mul\@tmp,\@clr
24322 \fi
24323 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
24324 \expandafter\endgroup\@tmp}}
24325 \def\XC@bidiundeclaredcolor#1#2%
24326 {\@ifundefinedmodel{#1}%
24327 {\c@lor@error{model `#1'}}%
24328 {\@nameuse{color@#1}\current@color{#2}}%
24329 \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
24330 \XC@display}}
24331 \def\@bidideclaredcolor#1%
24332 {\XC@edef\XC@tmp{#1}\XC@tstfalse
24333 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
24334 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
24335 \ifconvertcolorsU\XC@tsttrue\fi
24336 \fi
24337 \ifXC@tst
24338 \expandafter\XC@bidideclaredcolor\else
24339 \expandafter\XC@bidideclaredc@lor\fi}
24340 \def\XC@bidideclaredcolor
24341 {\XC@split\XC@tmp
24342 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
24343 \expandafter\endgroup\@tmp}
24344 \def\XC@bidideclaredc@lor
24345 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
24346 \edef\current@color{\XC@current@color}%
24347 \XC@display}
24348 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
24349 \def\color@fb@x#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
24350 \def\color@fb@x#1#2#3#4%
24351 {\color@b@x{\fb@xsep\z@\bidicolor#1{#2}\XC@fb@x}%
24352 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
24353 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

161 File latex-xetex-bidi.def

```

24354 \ProvidesFile{latex-xetex-bidi.def}[2022/06/27 v1.4.8 bidi adaptations for `latex.ltx' for
24355 \newcommand{\TeXXeTOn}{\TeXXeTstate@ne}
24356 \newcommand{\TeXXeTOff}{\TeXXeTstate@z@}
24357 \TeXXeTOn
24358 \def\bidi@RTL@everypar{\setbox\z@\lastbox\ifRTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
24359 \let\bidi@o@everypar=\everypar
24360 \newtoks\bidi@n@everypar
24361 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
24362 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}

```



```

24363 \let\everypar=\bidi@n@everypar
24364 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
24365 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
24366 \protected\def\hboxR{\hbox\bgroup
24367 \everyhbox{%
24368 \aftergroup\egroup
24369 \everyhbox{}}%
24370 \beginR
24371 \@hboxRconstructtrue
24372 \bgroup
24373 \aftergroup\endR
24374 \aftergroup\egroup
24375 }\hbox}
24376 \protected\def\hboxL{\hbox\bgroup
24377 \everyhbox{%
24378 \aftergroup\egroup
24379 \everyhbox{}}%
24380 \beginL
24381 \@hboxRconstructfalse
24382 \bgroup
24383 \aftergroup\endL
24384 \aftergroup\egroup
24385 }\hbox}
24386 \protected\def\vboxR{\vbox\bgroup
24387 \everyvbox{%
24388 \aftergroup\egroup
24389 \everyvbox{}}%
24390 \@RTLtrue
24391 \@RTLtabtrue
24392 \bgroup
24393 \aftergroup\egroup
24394 }\vbox}
24395 \protected\def\vboxL{\vbox\bgroup
24396 \everyvbox{%
24397 \aftergroup\egroup
24398 \everyvbox{}}%
24399 \@RTLfalse
24400 \@RTLtabfalse
24401 \bgroup
24402 \aftergroup\egroup
24403 }\vbox}
24404 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
24405 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
24406 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@\bidi@beamer}
24407 \def\endLTR{\par}
24408 \newenvironment{LTR*}{\LTR
24409 \everypar{%
24410 {\setbox\z@\lastbox
24411 \ifvoid\z@
24412 \kern-\parindent
24413 \fi}%
24414 }%
24415 }\endLTR\@endpetrue}
24416 \def RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@\bidi@beamer}

```



```

24417 \def\endRTL{\par}
24418 \newenvironment{RTL*}{\RTL
24419   \everypar{%
24420     {\setbox\z@\lastbox
24421       \ifvoid\z@
24422         \kern-\parindent
24423       \fi}%
24424   }%
24425 }{\endRTL\@endpetrue}
24426 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\@bidi@beamer@ragged}
24427 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse\@bidi@beamer@ragged}
24428 \let\unsetRTL=\setLTR
24429 \let\unsetLTR=\setRTL
24430 \let\LR=\LRE
24431 \let\RL=\RLE
24432 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
24433 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
24434 \let\@ensure@RL=\@ensure@RTL
24435 \let\@ensure@LR=\@ensure@LTR
24436 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
24437 \let\@ensure@maindir=\@ensure@dir
24438 \def\@RTL{RTL}
24439 \def\@LTR{LTR}
24440 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
24441 \def\reset@dir{\ifx\save@@dir\@RTL\setRTL\else\ifx\save@@dir\@LTR\setLTR\else\relax\fi}
24442 \let\@TeX\TeX
24443 \def\TeX{\@ensure@LTR{\@TeX}}
24444 \let\@LaTeX\LaTeX
24445 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
24446 \let\@LaTeXe\LaTeXe
24447 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
24448 \long\def\@bidi@reflect@box#1{%
24449   \leavevmode
24450   \setbox\z@\hbox{#1}%
24451   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
24452   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
24453 }
24454 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
24455   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
24456 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
24457   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
24458 \let\setRL=\setRTL
24459 \let\setLR=\setLTR
24460 \let\unsetRL=\setLTR
24461 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
24462 \ifpackageloaded{array}{%
24463   \def\@bidi@tabular@RTLcases{\@RTL@tabtrue%
24464     \leavevmode
24465     \hbox \bgroup $\left.\col@sep\tabcolsep \let\d@llarbegin\begin\group
24466       \let\d@llarend\endgroup
24467     \@tabarray}
24468 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
24469 }{%
24470 \def\@bidi@tabular@RTLcases{\@RTL@tabtrue%

```



```

24471 \leavevmode \hbox \bgroup
24472 $\left.\let\@acol\@tabacol
24473 \let\@classz\@tabclassz
24474 \let\@classiv\@tabclassiv \let\@tabularcr\@tabarray}
24475
24476 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
24477 \egroup\right\rbrace $\egroup}}
24478 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
24479 \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,\right\}}
24480 \renewenvironment{RTLcases}{%
24481 \bidi@matrix@check\RTLcases\env@RTLcases
24482 }{%
24483 \endbidi@tabular@RTLcases%
24484 }
24485 \def\env@RTLcases{%
24486 \let\@ifnextchar\bidi@new@ifnextchar
24487 \def\arraystretch{1.2}%
24488 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
24489 }
24490 \def\SepMark#1{\gdef\@SepMark{#1}}
24491 \SepMark{.}
24492 \def\@thmcountersep{\@SepMark}
24493 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
24494 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
24495 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
24496 \newcommand*{\bidi@thebibliography@font@hook}{ }
24497 \def\list#1#2{%
24498 \ifnum \@listdepth >5\relax
24499 \toodeep
24500 \else
24501 \global\advance\@listdepth\@ne
24502 \fi
24503 \rightmargin\z@
24504 \listparindent\z@
24505 \itemindent\z@
24506 \csname @list\romannumeral\the\@listdepth\endcsname
24507 \def\@itemlabel{#1}%
24508 \let\makelabel\@mklab
24509 \@nmbrrlistfalse
24510 #2\relax
24511 \@trivlist
24512 \parskip\parsep
24513 \parindent\listparindent
24514 \advance\linewidth -\rightmargin
24515 \advance\linewidth -\leftmargin
24516 \if@bidi@list@minipage@parbox
24517 \if@RTL
24518 \advance\@totalleftmargin \leftmargin
24519 \else
24520 \advance\@totalleftmargin \rightmargin
24521 \fi
24522 \else
24523 \if@hboxRconstruct
24524 \if@bidi@list@minipage@parbox@not@nob

```



```

24525 \if@RTL
24526 \advance\@totalleftmargin \rightmargin
24527 \else
24528 \advance\@totalleftmargin \leftmargin
24529 \fi
24530 \else
24531 \if@RTL
24532 \advance\@totalleftmargin \leftmargin
24533 \else
24534 \advance\@totalleftmargin \rightmargin
24535 \fi\fi
24536 \else
24537 \if@RTL
24538 \advance\@totalleftmargin \rightmargin
24539 \else
24540 \advance\@totalleftmargin \leftmargin
24541 \fi\fi\fi
24542 \parshape \@ne \@totalleftmargin \linewidth
24543 \ignorespaces}
24544 \long\def\@iiiparbox#1#2[#3]#4#5{%
24545 \leavevmode
24546 \@pboxswfalse
24547 \if@hboxRconstruct
24548 \@bidi@list@minipage@parbox@not@nobtrue
24549 \fi
24550 \if@RTL
24551 \ifx#1t%
24552 \@bidi@list@minipage@parboxtrue
24553 \else
24554 \ifx#1b%
24555 \@bidi@list@minipage@parboxtrue
24556 \fi
24557 \fi
24558 \fi
24559 \setlength\@tempdima{#4}%
24560 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
24561 \ifx\relax#2\else
24562 \setlength\@tempdimb{#2}%
24563 \edef\@parboxto{to\the\@tempdimb}%
24564 \fi
24565 \if#1b\vbox
24566 \else\if #1t\top
24567 \else\ifmmode\vcenter
24568 \else\@pboxswtrue $\vcenter
24569 \fi\fi\fi
24570 \@parboxto{\let\hss\vss\let\unhbox\unvbox
24571 \csname bm@#3\endcsname}%
24572 \if@pboxsw \m@th$\fi
24573 \@end@tempboxa}
24574 \newenvironment{LTRitems}
24575 {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
24576 \if@bidi@list@minipage@parbox
24577 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
24578 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob

```



```

24579         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
24580         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24581         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24582         \ignorespaces}{\vskip\z@}
24583 \newenvironment{RTLitems}
24584     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
24585     \if@bidi@list@minipage@parbox
24586     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
24587     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24588     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
24589     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24590     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24591     \ignorespaces}{\vskip\z@}
24592 \newenvironment{LTRbibitems}
24593     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
24594     \if@bidi@list@minipage@parbox
24595     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
24596     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24597     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
24598     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24599     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24600     \ignorespaces}{\vskip\z@}
24601 \newenvironment{RTLbibitems}
24602     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
24603     \if@bidi@list@minipage@parbox
24604     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
24605     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
24606     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
24607     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
24608     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
24609     \ignorespaces}{\vskip\z@}
24610 \def\raggedright{%
24611     \let\@centercr\@rightskip\@flushglue \rightskip\@rightskip
24612     \leftskip\z@skip
24613     \parindent\z@\parfillskip\z@skip}
24614 \let\@bidi@orig@raggedleft\raggedleft
24615 \let\@bidi@orig@raggedright\raggedright
24616 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRco
24617 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRco
24618 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
24619 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
24620 \def\centerline#1{%
24621 \if@RTL\@@line{\hss\beginR#1\endR\hss}
24622 \else\@@line{\hss#1\hss}\fi}
24623 \def\leftline#1{%
24624 \if@RTL\@@line{\beginR#1\endR\hss}
24625 \else\@@line{#1\hss}\fi}
24626 \def\rightline#1{%
24627 \if@RTL\@@line{\hss\beginR#1\endR}
24628 \else\@@line{\hss#1}\fi}
24629 \let\@bidi@orig@leftline\leftline
24630 \let\@bidi@orig@rightline\rightline
24631 \def\leftline#1{\ifhmode\if@RTL\@bidi@orig@rightline{#1}\else\@bidi@orig@leftline{#1}\fi\else\
24632 \def\rightline#1{\ifhmode\if@RTL\@bidi@orig@leftline{#1}\else\@bidi@orig@rightline{#1}\fi\else\

```



```

24633 \def\bidirlap#1{\hb@xt@{z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
24634 \def\bidillap#1{\hb@xt@{z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
24635 \def\@hangfrom#1{\setbox\@tempboxa\hbox{{#1}}}%
24636 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
24637 \def\narrower{%
24638 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
24639 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
24640 \def\underline#1{%
24641 \relax
24642 \ifmmode\@@underline{#1}%
24643 \else
24644 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
24645 \else
24646 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
24647 \if@compatibility
24648 \let\underline=\underline
24649 \fi
24650 \def\@tabular{%
24651 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
24652 $\let\@acol\@tabacol
24653 \let\@classz\@tabclassz
24654 \let\@classiv\@tabclassiv \let\\\@tabulacr\@tabarray}
24655 \def\endtabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
24656 \egroup $\if@RTLtab\endR\fi\egroup}
24657 \expandafter \let \csname endtabular*\endcsname = \endtabular
24658 \def\@array[#1]#2{%
24659 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
24660 \bgroup
24661 \setbox\@arstrutbox\hbox{%
24662 \vrule \@height\arraystretch\ht\strutbox
24663 \@depth\arraystretch \dp\strutbox
24664 \@widthz@}%
24665 \mkpream{#2}%
24666 \edef\@preamble{%
24667 \ialign \noexpand\@halignto
24668 \bgroup \@arstrut \@preamble \tabskipz@skip \cr}%
24669 \let\@startpbox\@@startpbox \let\@endpbox\@@endpbox
24670 \let\@tabularnewline\\%
24671 \let\par\@empty
24672 \let\@sharp##%
24673 \set@typeset@protect
24674 \lineskipz@skip\baselineskipz@skip
24675 \ifhmode \@preamerrz@ \@@par\fi
24676 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
24677 \@preamble}
24678 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
24679 \let\@classiv\@arrayclassiv
24680 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
24681 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
24682 \ifnum \@lastchclass=3 5 \else
24683 \z@ \if #1c\@chnum \z@ \else
24684 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
24685 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
24686 \@chclass \if #1\@one \else

```



```

24687             \if #1@tw@ \else
24688             \if #1p3 \else \z@ \@preamerr 0\fi
24689 \fi \fi \fi \fi \fi \fi
24690 \fi}
24691 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
24692 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
24693 \def\bm@t{\unhbox\@tempboxa\hss}
24694 \def\bm@b{\hss\unhbox\@tempboxa}
24695 \def\@dottedtocline#1#2#3#4#5{%
24696   \ifnum #1>\c@tocdepth \else
24697     \vskip \z@ \@plus.2\p@
24698     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
24699     \parindent #2\relax\afterindenttrue
24700     \interlinepenalty\@M
24701     \leavevmode
24702     \@tempdima #3\relax
24703     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24704     {#4}\nobreak
24705     \leaders\hbox{$\m@th
24706       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
24707       mu$}\hfill
24708     \nobreak
24709     \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}%
24710     \par}%
24711 \fi}
24712
24713 \newcount\bidicolumn@check@number
24714
24715 \def\bidicolumn@status#1{\gdef\bidicurrent@column@status{#1}}
24716
24717 \def\bidicolumn@status#1#2{%
24718   \global\expandafter\let\csname #1\endcsname\bidicurrent@column@status}
24719
24720 \if@twocolumn
24721 \newcommand\DetectColumn[3][1]{%
24722   \ifx\bidicolumn@status\write\relax
24723     \PackageError{bidi}%
24724     {Option 'DetectColumn' not selected}%
24725     {\string\DetectColumn\space
24726     requires the use of the 'DetectColumn'
24727     option on the package}%
24728 \fi
24729 \global\advance\bidicolumn@check@number\@ne
24730 \edef\bidicolumn@type{\expandafter\ifx
24731   \csname bidi@column-\the\bidicolumn@check@number\endcsname\relax
24732   0\else
24733   \csname bidi@column-\the\bidicolumn@check@number\endcsname
24734   \fi}%
24735 \ifcase \bidicolumn@type\relax
24736   \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
24737 \or
24738   #2% % 1 First column
24739 \or
24740   #3% % 2 Second (Last column)

```




```

24741 \else
24742 \ERROR
24743 \fi
24744 \edef\next{\write\@auxout
24745   {\string\bidiset@column@status{\bidicolumn-\the\bidicolumn@check@number}}%
24746   {\bidicolumn@type}}}%
24747 \next
24748 }
24749
24750 \AtEndDocument{\def\bidiset@column@status#1#2{%
24751   \ifnum #2=\bidicurrent@column@status\else
24752   \@tempwattrue
24753   \fi}%
24754 }
24755 \fi
24756
24757 \def\RTL@outputdblcol{%
24758   \if@firstcolumn
24759     \global\@firstcolumnfalse
24760     \global\setbox\@leftcolumn\copy\@outputbox
24761     \splitmaxdepth\maxdimen
24762     \vbadness\maxdimen
24763     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
24764     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
24765     \toks@\expandafter{\topmark}%
24766     \xdef\@firstcoltopmark{\the\toks@}%
24767     \toks@\expandafter{\splitfirstmark}%
24768     \xdef\@firstcolfirstmark{\the\toks@}%
24769     \ifx\@firstcolfirstmark\@empty
24770       \global\let\@setmarks\relax
24771     \else
24772       \gdef\@setmarks{%
24773         \let\firstmark\@firstcolfirstmark
24774         \let\topmark\@firstcoltopmark}%
24775     \fi
24776   \else
24777     \global\@firstcolumntrue
24778     \setbox\@outputbox\vbox{%
24779       \hb@xt@\textwidth{%
24780         \hskip \columnwidth
24781         \hfil
24782         {\normalcolor\vrule \@width\columnseprule}%
24783         \hfil
24784         \hb@xt@\columnwidth{%
24785           \bidifirstcolumn@status@write%
24786           \box\@leftcolumn \hss}%
24787         \hskip -\textwidth
24788         \hb@xt@\columnwidth{%
24789           \bidilastcolumn@status@write%
24790           \box\@outputbox \hss}%
24791         \hskip \columnsep
24792         \hskip \columnwidth }}%
24793   \@combinedblfloats
24794   \@setmarks

```



```

24795 \outputpage
24796 \begingroup
24797 \dblfloatplacement
24798 \startdblcolumn
24799 \whiles\if@fcolmade \fi{\outputpage
24800 \startdblcolumn}%
24801 \endgroup
24802 \fi}%
24803
24804 \def\LTR@outputdblcol{%
24805 \if@firstcolumn
24806 \global\@firstcolumnfalse
24807 \global\setbox\@leftcolumn\copy\@outputbox
24808 \splitmaxdepth\maxdimen
24809 \vbadness\maxdimen
24810 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
24811 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
24812 \toks@\expandafter{\topmark}%
24813 \xdef\@firstcoltopmark{\the\toks@}%
24814 \toks@\expandafter{\splitfirstmark}%
24815 \xdef\@firstcolfirstmark{\the\toks@}%
24816 \ifx\@firstcolfirstmark\@empty
24817 \global\let\@setmarks\relax
24818 \else
24819 \gdef\@setmarks{%
24820 \let\firstmark\@firstcolfirstmark
24821 \let\topmark\@firstcoltopmark}%
24822 \fi
24823 \else
24824 \global\@firstcolumntrue
24825 \setbox\@outputbox\vbox{%
24826 \hb@xt@\textwidth{%
24827 \hb@xt@\columnwidth{%
24828 \bidi@firstcolumn@status@write%
24829 \box\@leftcolumn \hss}%
24830 \hfil
24831 {normalcolor\vrule \@width\columnseprule}%
24832 \hfil
24833 \hb@xt@\columnwidth{%
24834 \bidi@lastcolumn@status@write%
24835 \box\@outputbox \hss}}}%
24836 \@combinedblfloats
24837 \@setmarks
24838 \outputpage
24839 \begingroup
24840 \dblfloatplacement
24841 \startdblcolumn
24842 \whiles\if@fcolmade \fi{\outputpage
24843 \startdblcolumn}%
24844 \endgroup
24845 \fi}%
24846
24847
24848 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}

```



```

24849 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
24850 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
24851
24852 \bidi@patchcmd\@makecol{%
24853   \ifvoid\footins
24854     \setbox\@outputbox \box\@cclv
24855   \else
24856     \setbox\@outputbox \vbox {%
24857       \boxmaxdepth \@maxdepth
24858       \unvbox \@cclv
24859       \vskip \skip\footins
24860       \color@begingroup
24861         \normalcolor
24862         \footnoterule
24863         \unvbox \footins
24864       \color@endgroup
24865     }%
24866   \fi
24867 }{%
24868   \ifvoid\footins
24869     \ifvoid\@bidi@copyins@
24870       \setbox\@outputbox \box\@cclv
24871     \else
24872       \setbox\@outputbox \vbox {%
24873         \boxmaxdepth \@maxdepth
24874         \unvbox \@cclv
24875         \vskip \skip\@bidi@copyins@
24876         \color@begingroup
24877           \normalcolor
24878           \unvbox \@bidi@copyins@
24879         \color@endgroup
24880       }%
24881     \fi
24882   \else
24883     \setbox\@outputbox \vbox {%
24884       \boxmaxdepth \@maxdepth
24885       \unvbox \@cclv
24886       \vskip \skip\footins
24887       \color@begingroup
24888         \normalcolor
24889         \footnoterule
24890         \unvbox \footins
24891       \color@endgroup
24892     \ifvoid\@bidi@copyins@
24893     \else
24894       \vskip \skip\@bidi@copyins@
24895       \color@begingroup
24896         \normalcolor
24897         \unvbox \@bidi@copyins@
24898       \color@endgroup
24899     \fi
24900   }%
24901   \fi
24902 }{}{}

```



```

24903
24904 \def\LTRmarginpar{%
24905   \ifhmode
24906     \@bsphack
24907     \@floatpenalty -\@Mii
24908   \else
24909     \@floatpenalty-\@Miii
24910   \fi
24911   \ifinner
24912     \@parmoderr
24913     \@floatpenalty\z@
24914   \else
24915     \@next\@currbox\@freelist{}\{}%
24916     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
24917     {\@floatpenalty\z@
24918       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
24919   \fi
24920   \@ifnextchar [\@LTRxmpar\@LTRympar}
24921 \long\def\@LTRxmpar[#1]#2{%
24922   \@LTRsavemarbox\@marbox{#1}%
24923   \@LTRsavemarbox\@currbox{#2}%
24924   \@xympar}
24925 \long\def\@LTRympar#1{%
24926   \@LTRsavemarbox\@marbox{#1}%
24927   \global\setbox\@currbox\copy\@marbox
24928   \@xympar}
24929 \long\def \@LTRsavemarbox #1#2{%
24930   \global\setbox #1%
24931     \color@vbox
24932     \vtop{%
24933       \hsize\marginparwidth
24934       \@parboxrestore
24935       \@LTRmarginparreset
24936       #2%
24937       \@minipagefalse
24938       \outer@nobreak
24939     }%
24940   \color@endbox
24941 }
24942 \def \@LTRmarginparreset {%
24943   \reset@font
24944   \normalsize
24945   \@minipagetrue
24946   \everypar{\@minipagefalse\everypar{}\beginL}%
24947 }
24948 \def\RTLmarginpar{%
24949   \ifhmode
24950     \@bsphack
24951     \@floatpenalty -\@Mii
24952   \else
24953     \@floatpenalty-\@Miii
24954   \fi
24955   \ifinner
24956     \@parmoderr

```



```

24957 \floatpenalty\z@
24958 \else
24959 \@next\@currbox\@freelist{}\{}%
24960 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
24961 {\floatpenalty\z@
24962 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
24963 \fi
24964 \ifnextchar [\@RTLxmpar\@RTLympar}
24965 \long\def\@RTLxmpar[#1]#2{%
24966 \@RTLSavemarbox\@marbox{#1}%
24967 \@RTLSavemarbox\@currbox{#2}%
24968 \@xympar}
24969 \long\def\@RTLympar#1{%
24970 \@RTLSavemarbox\@marbox{#1}%
24971 \global\setbox\@currbox\copy\@marbox
24972 \@xympar}
24973 \long\def \@RTLSavemarbox #1#2{%
24974 \global\setbox #1%
24975 \color@vbox
24976 \vtop{%
24977 \hsize\marginparwidth
24978 \@parboxrestore
24979 \@RTLmarginparreset
24980 #2%
24981 \@minipagefalse
24982 \outer@nobreak
24983 }%
24984 \color@endbox
24985 }
24986 \def \@RTLmarginparreset {%
24987 \reset@font
24988 \normalsize
24989 \@minipagetrue
24990 \everypar{\@minipagefalse\everypar{}\beginR}%
24991 }
24992 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
24993 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@one
24994 \if@twocolumn
24995 \if@firstcolumn \@tempcnta\m@ne \fi
24996 \else
24997 \if@mparswitch
24998 \ifodd\c@page \else\@tempcnta\m@ne \fi
24999 \fi
25000 \if@reversemargin \@tempcnta -\@tempcnta \fi
25001 \fi
25002 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
25003 \@tempdima\@mparbottom
25004 \advance\@tempdima -\@pageht
25005 \advance\@tempdima\ht\@marbox
25006 \ifdim\@tempdima >\z@
25007 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
25008 \else
25009 \@tempdima\z@
25010 \fi

```



```

25011 \global\@mparbottom\@pageht
25012 \global\advance\@mparbottom\@tempdima
25013 \global\advance\@mparbottom\dp\@marbox
25014 \global\advance\@mparbottom\marginparpush
25015 \advance\@tempdima -\ht\@marbox
25016 \global\setbox \@marbox
25017         \vbox {\vskip \@tempdima
25018                 \box \@marbox}%
25019 \global \ht\@marbox \z@
25020 \global \dp\@marbox \z@
25021 \kern -\@pagedp
25022 \nointerlineskip
25023 \hb@xt@\columnwidth
25024     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
25025         \hskip\columnwidth \hskip\marginparsep
25026     \else
25027         \hskip -\marginparsep \hskip -\marginparwidth
25028     \fi
25029     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
25030 \nointerlineskip
25031 \hbox{\vrule \height\z@ \width\z@ \depth\@pagedp}}
25032 \long\def\@ympar#1{%
25033     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginp
25034     \global\setbox\@currbox\copy\@marbox
25035     \@xympar}
25036 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
25037 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
25038 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
25039 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
25040     \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
25041 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
25042     \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
25043     \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
25044     \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
25045 \fi}
25046
25047 \newcommand*{\bidi@font@outputpage}{\}
25048
25049 \def\@outputpage{%
25050 \begingroup           % the \endgroup is put in by \aftergroup
25051 \let \protect \noexpand
25052 \@resetactivechars
25053 \global\let\@if@newlist\if@newlist
25054 \global\@newlistfalse
25055 \@parboxrestore
25056 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
25057 \bidi@beforeoutputpageshipouthook
25058 \shipout \vbox{%
25059     \set@typeset@protect
25060     \aftergroup \endgroup
25061     \aftergroup \set@typeset@protect
25062                                     % correct? or just restore by ending
25063                                     % the group?
25064 \if@specialpage

```



```

25065 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
25066 \fi
25067 \if@twoside
25068 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
25069 \if@RTLmain
25070 \let\@themargin\evensidemargin
25071 \else
25072 \let\@themargin\oddsidemargin
25073 \fi
25074 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
25075 \if@RTLmain
25076 \let\@themargin\oddsidemargin
25077 \else
25078 \let\@themargin\evensidemargin
25079 \fi
25080 \fi
25081 \ifx\@thehead\@empty \let\@thehead\hfil \fi
25082 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
25083 \else %% not @twoside
25084 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
25085 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
25086 \fi
25087 \reset@font
25088 \normalsize
25089 \bidi@font@@outputpage
25090 \normalsfcodes
25091 \let\label\@gobble
25092 \let\index\@gobble
25093 \let\glossary\@gobble
25094 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
25095 \@beginndvi
25096 \vskip \topmargin
25097 \moveright\@themargin \vbox {%
25098 \global\let\@bidi@BeforeHeader\@firstofone
25099 \bidi@beforeheaderhook
25100 \setbox\@tempboxa \vbox to\headheight{%
25101 \vfil
25102 \color@hbox
25103 \normalcolor
25104 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if
25105 \color@endbox
25106 }% %% 22 Feb 87
25107 \dp\@tempboxa \z@
25108 \box\@tempboxa
25109 \vskip \headsep
25110 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
25111 \bidi@beforeoutputboxoutputpagehook
25112 \box\@outputbox
25113 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
25114 \bidi@afteroutputboxoutputpagehook
25115 \global\let\@bidi@BeforeFooter\@firstofone
25116 \bidi@beforefooterhook
25117 \baselineskip \footskip
25118 \color@hbox

```



```

25119      \normalcolor
25120      \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@R
25121      \color@endbox
25122      \global\let\bid@AfterFooter\@firstofone
25123      \bid@afterfooterhook
25124      }%
25125      }%
25126      \global\let\bid@AfterOutputPageShipOut\@firstofone
25127      \bid@afteroutputpageshipouthook
25128      \global\let\if@newlist\@if@newlist
25129      \global \colht \textheight
25130      \stepcounter{page}%
25131      \let\firstmark\botmark
25132      \global\let\bid@AtEndOutputPage\@firstofone
25133      \bid@atendoutputpagehook
25134  }
25135  \long\def\@makecaption#1#2{%
25136    \vskip\abovecaptionskip
25137    \sbox\@tempboxa{#1: #2}%
25138    \ifdim \wd\@tempboxa >\hsize
25139      \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
25140    \else
25141      \global \@minipagefalse
25142      \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
25143    \fi
25144    \vskip\belowcaptionskip}
25145  \let\bid@saved@eqno=\eqno
25146  \let\bid@saved@leqno=\leqno
25147  \def\eqno{\ifnum\predisplaydirection<\z@ \bid@saved@leqno \else \bid@saved@eqno \fi}
25148  \def\leqno{\ifnum\predisplaydirection<\z@ \bid@saved@eqno \else \bid@saved@leqno \fi}
25149  \@ifpackageloaded{amsmath}{}{}
25150  \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
25151  }
25152  \input{footnote-xetex-bidi.def}
25153  \if@twocolumn
25154    \let\autofooterule\relax
25155    \let\leftfootnoterule\relax
25156    \let\rightfootnoterule\relax
25157    \textwidthfootnoterule
25158  \fi
25159  \if@bid@csundef{\idxitem}{}{}
25160  \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40p}%
25161  }
25162  \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
25163  \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
25164  \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
25165  \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
25166  \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
25167  \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
25168  \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
25169  \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{}
25170  \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
25171  \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
25172  \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}

```




```

25173 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
25174 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
25175 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{}{\input{report-xetex-bidi.def}}{}
25176 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
25177 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
25178 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
25179 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
25180 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
25181 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
25182 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
25183 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
25184 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
25185 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{}{\input{book-xetex-bidi.def}}{}
25186 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
25187 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
25188 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
25189 \@ifpackageloaded{amsmath}{}{}
25190 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
25191 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
25192 }
25193 \@ifpackageloaded{mathtools}{}
25194 \RequirePackage{graphicx}%
25195 \input{mathtools-xetex-bidi.def}%
25196 }{}
25197 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
25198 \@ifpackageloaded{lscape}{\RequirePackage{graphicx}}{}
25199 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
25200 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
25201 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
25202 \@ifpackagewith{algorithm2e}{algonl}{}
25203 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{A
25204 }}{}
25205 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
25206 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
25207 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
25208 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
25209 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
25210 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
25211 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
25212 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
25213 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
25214 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
25215 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
25216 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{}{\input{crop-xetex-bidi.def}}{}
25217 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
25218 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
25219 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
25220 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
25221 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
25222 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{}{\input{float-xetex-bidi.def}}{}
25223 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
25224 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
25225 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
25226 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}

```



```

25227 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
25228 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
25229 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
25230 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
25231 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
25232 \@ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
25233 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
25234 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
25235 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
25236 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
25237 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
25238 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
25239 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
25240 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
25241 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
25242 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
25243 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
25244 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
25245 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
25246 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
25247 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
25248 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
25249 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
25250 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
25251 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
25252 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
25253 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
25254 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
25255 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
25256 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
25257 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
25258 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
25259 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
25260 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
25261 \@ifpackagewith{sidecap}{innercaption}{%
25262 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
25263 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {{#1}\hspace{\sidecaptionsep}{#2}}
25264 \renewcommand*{\SC@justify@caption{%
25265 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
25266 \renewcommand*{\SC@FLOAT}[2]{%
25267 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {{#2}\hspace{\sidecaptionsep}{#1}}
25268 \renewcommand*{\SC@justify@caption{%
25269 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
25270 }{}
25271 \@ifpackagewith{sidecap}{rightcaption}{%
25272 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
25273 \def\SC@justify@caption{\RaggedLeft}\else%
25274 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
25275 \def\SC@justify@caption{\RaggedRight}\fi%
25276 }{}
25277 \@ifpackagewith{sidecap}{leftcaption}{%
25278 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
25279 \def\SC@justify@caption{\RaggedRight}\else%
25280 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}

```



```

25281 \def\SC@justify@caption{\RaggedLeft}\fi%
25282 }{}
25283 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
25284 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
25285 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
25286 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
25287 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
25288 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
25289 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
25290 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
25291 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
25292 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
25293 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
25294 \@ifpackageloaded{pgfsys}{\input{pgfsys.code-xetex-bidi.def}}{}
25295 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
25296 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
25297 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
25298 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
25299 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
25300 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
25301 \@ifpackageloaded{colorbox}{\input{tcolorbox-xetex-bidi.def}}{}
25302 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
25303 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}{\input{tocbibind-xetex-bidi.def}}{}}{}
25304 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xetex-bidi.def}}{}}{}
25305 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
25306 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}
25307 \@ifpackageloaded{beamerbaseauxtemplates}{\input{beamerbaseauxtemplates-xetex-bidi.def}}{}
25308 \@ifpackageloaded{beamerbaseboxes}{\input{beamerbaseboxes-xetex-bidi.def}}{}
25309 \@ifpackageloaded{beamerbasecolor}{\input{beamerbasecolor-xetex-bidi.def}}{}
25310 \@ifpackageloaded{beamerbasecompatibility}{\input{beamerbasecompatibility-xetex-bidi.def}}{}
25311 \@ifpackageloaded{beamerbaseframecomponents}{\input{beamerbaseframecomponents-xetex-bidi.def}}{}
25312 \@ifpackageloaded{beamerbaseframesize}{\input{beamerbaseframesize-xetex-bidi.def}}{}
25313 \@ifpackageloaded{beamerbaselocalstructure}{\input{beamerbaselocalstructure-xetex-bidi.def}}{}
25314 \@ifpackageloaded{beamerbasemisc}{\input{beamerbasemisc-xetex-bidi.def}}{}
25315 \@ifpackageloaded{beamerbasenavigation}{\input{beamerbasenavigation-xetex-bidi.def}}{}
25316 \@ifpackageloaded{beamerbaseoverlay}{\input{beamerbaseoverlay-xetex-bidi.def}}{}
25317 \@ifpackageloaded{beamerinnerthemedefault}{\input{beamerinnerthemedefault-xetex-bidi.def}}{}
25318 \@ifpackageloaded{beamerinnerthemecircles}{\input{beamerinnerthemecircles-xetex-bidi.def}}{}
25319 \@ifpackageloaded{beamerinnerthemefocus}{\input{beamerinnerthemefocus-xetex-bidi.def}}{}
25320 \@ifpackageloaded{beamerinnerthemeinmargin}{\input{beamerinnerthemeinmargin-xetex-bidi.def}}{}
25321 \@ifpackageloaded{beamerinnerthememetropolis}{\input{beamerinnerthememetropolis-xetex-bidi.d}}{}
25322 \@ifpackageloaded{beamerinnerthemerectangles}{\input{beamerinnerthemerectangles-xetex-bidi.d}}{}
25323 \@ifpackageloaded{beamerinnerthememrounded}{\input{beamerinnerthememrounded-xetex-bidi.def}}{}
25324 \@ifpackageloaded{beamerouterthemedefault}{\input{beamerouterthemedefault-xetex-bidi.def}}{}
25325 \@ifpackageloaded{beamerouterthemefocus}{\input{beamerouterthemefocus-xetex-bidi.def}}{}
25326 \@ifpackageloaded{beamerouterthemeinfines}{\input{beamerouterthemeinfines-xetex-bidi.def}}{}
25327 \@ifpackageloaded{beamerouterthememetropolis}{\input{beamerouterthememetropolis-xetex-bidi.d}}{}
25328 \@ifpackageloaded{beamerouterthememiniframes}{\input{beamerouterthememiniframes-xetex-bidi.d}}{}
25329 \@ifpackageloaded{beamerouterthemecircles}{\input{beamerouterthemecircles-xetex-bidi.def}}{}
25330 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}
25331 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}
25332 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}
25333 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}
25334 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}

```



```

25335 \ifpackageloaded{beamerthemeHannover}{\input{beamerthemeHannover-xetex-bidi.def}}{}
25336 \ifpackageloaded{beamerthemeSingapore}{\input{beamerthemeSingapore-xetex-bidi.def}}{}

```

162 File xltextra-xetex-bidi.def

```

25337 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package f
25338 \let\@XeTeX\XeTeX
25339 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
25340 \let\@XeLaTeX\XeLaTeX
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