



The *bidi* Package

Source documentation for version 32.2

to my Master, Ferdowsi The Great

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<https://github.com/tex-xet/bidi/issues>

In doing so, please always explain your issue well enough, always include a minimal working example showing the issue, and always choose the appropriate label for your query (i.e. if you are reporting any bugs, choose 'Bug' label).

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The *bid* Package

Bidirectional typesetting in plain T_EX and L^AT_EX, using XeT_EX engine

Source documentation for [version 32.2](#)

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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 XeLaTeX]
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \@ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17  \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31   \hrule\@width 5pc\kern11p@\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     \makefnintext{%
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   \@makefnfntext{%
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     \@makefnfntext{%
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 package]
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}[2015/02/01 v0.1 bidi adaptations for algorithm2e pa
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi%
170
171 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}
172 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
173 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}%
174 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
175 \renewcommand{\@algocf@start}{%
176   \@algoskip%
177   \begin{bidi@lrbox}{\algocf@algobox}%
178   \setlength{\algowidth}{\hsize}%
179   \vbox\bgroup% save all the algo in a box
180   \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
181   \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
182   % initialization
183   \addtolength{\hsize}{-1.5\algomargin}%
184   \let\@mathsemicolon=\;\def\;\{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
185   \raggedright\AlFnt{}%
186   \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
187   \@algoinsideskip%
188   % \let\@mathdisplay=\]\def\]\{\algocf@endline\@mathdisplay\nl}%
189 }%
190 \renewcommand{\@algocf@finish}{%
191   \@algoinsideskip%
192   \egroup%end of vtop which contain all the text

```




```

193 \hfill\egroup%end of hbox wich contains [margin][vtop]
194 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
195 %
196 \egroup%end of main vbox
197 \end{bidi@lrbox}%
198 \algocf@makethealgo% print the algo
199 \@algoskip%
200 % restore dimension and macros
201 \setlength{\hspace}{\algowidth}%
202 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
203 \let\;=\@mathsemicolon%
204 \let\]=\@mathdisplay%
205 }%

```

4 File amsbook-xetex-bidi.def

```

206 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for Xe
207 \def\tocline#1#2#3#4#5#6#7{\relax
208 \ifnum #1>\c@tocdepth % then omit
209 \else
210 \par \addpenalty\@secpenalty\addvspace{#2}%
211 \begingroup \hyphenpenalty\@M
212 \@ifempty{#4}{%
213 \@tempdima\csname r@tocindent\@number#1\endcsname\relax
214 }{%
215 \@tempdima#4\relax
216 }%
217 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip
218 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
219 #5\leavevmode\hspace-\@tempdima #6\nobreak\relax
220 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
221 \nobreak
222 \endgroup
223 \fi}
224 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
225 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
226 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
227 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
228 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
229 \columnseprule\z@ \columnsep 35\p@
230 \@indextitlestyle
231 \thispagestyle{plain}%
232 \let\item\@idxitem
233 \parindent\z@ \parskip\z@\@plus.3\p@\relax
234 \if@RTL\raggedleft\else\raggedright\fi
235 \hyphenpenalty\@M
236 \footnotesize}
237 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
238 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
239 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}

```



```

240 \def\right@footnoterule{%
241   \kern-.4\p@
242   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
243   \kern11\p@\kern-\footnotesep}
244 \def\left@footnoterule{\kern-.4\p@
245   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
246
247 \long\def\@footnotetext#1{%
248   \insert\footins{%
249     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
250     \reset@font%
251     \bidi@@footnotetext@font% \normalfont\footnotesize
252     \interlinepenalty\interfootnotelinepenalty
253     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
254     \floatingpenalty\@MM \hsize\columnwidth
255     \@parboxrestore \parindent\normalparindent \sloppy
256     \protected@edef\@currentlabel{%
257       \csname p@footnote\endcsname\@thefnmark}%
258     \@makefnintext{%
259       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
260
261 \long\def\@RTLfootnotetext#1{%
262   \insert\footins{%
263     \@RTLtrue%
264     \reset@font%
265     \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
266     \interlinepenalty\interfootnotelinepenalty
267     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
268     \floatingpenalty\@MM \hsize\columnwidth
269     \@parboxrestore \parindent\normalparindent \sloppy
270     \protected@edef\@currentlabel{%
271       \csname p@footnote\endcsname\@thefnmark}%
272     \@makefnintext{%
273       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
274
275
276 \long\def\@LTRfootnotetext#1{%
277   \insert\footins{%
278     \@RTLfalse%
279     \reset@font%
280     \bidi@@LTRfootnotetext@font% \normalfont\footnotesize
281     \interlinepenalty\interfootnotelinepenalty
282     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
283     \floatingpenalty\@MM \hsize\columnwidth
284     \@parboxrestore \parindent\normalparindent \sloppy
285     \protected@edef\@currentlabel{%
286       \csname p@footnote\endcsname\@thefnmark}%
287     \@makefnintext{%
288       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
289

```



```

290
291
292 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
293 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
294 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
295
296 \renewenvironment{thebibliography}[1]{%
297   \@bibtitlestyle
298   \normalfont\bibliofont\labelsep .5em\relax
299   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
300   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
301   \bidi@@thebibliography@font@hook%
302   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
303     \leftmargin\labelwidth \advance\leftmargin\labelsep
304     \usecounter{enumiv}}%
305   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
306   \sfcode\`.\=@m
307 }{%
308   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
309   \endlist
310 }
311 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
312   \begingroup
313   \fontsize{\@xivpt}{18}\bfseries\centering
314   \ifnum\c@secnumdepth>\m@ne
315     \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
316     \rlap{\vbox to\z@{\vss
317       \centerline{\normalsize\mdseries
318         \uppercase\@xp{\chaptername}\enspace\thechapter}
319       \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
320   #1\par \endgroup
321   \skip@34p@ \advance\skip@-\normalbaselineskip
322   \vskip\skip@ }
323 \def\maketitle{\par
324   \@topnum\z@ % this prevents figures from falling at the top of page 1
325   \begingroup
326   \@maketitle
327   \endgroup
328   \c@footnote\z@
329   \def\do##1{\let##1\relax}%
330   \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
331   \do\author \do\@xauthor \do\address \do\@xaddress
332   \do\email \do\@xemail \do\curraddr \do\@xcurraddr
333   \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
334   \do\keywords \do\@keywords \do\subjclass \do\@subjclass
335 }

```

5 File amsmath-xetex-bidi.def

```

336 \ProvidesFile{amsmath-xetex-bidi.def}[2018/01/08 v1.1 bidi adaptations for amsmath package for

```



```

337 \let\veqno=\eqno
338 \iftagsleft@ \let\veqno=\leqno \fi
339 \renewcommand{\numberwithin}[3][\arabic]{%
340   \ifundefined{c@#2}{\nocounterr{#2}}{%
341     \ifundefined{c@#3}{\nocnterr{#3}}{%
342       \@addtoreset{#2}{#3}%
343       \exp\xdef\csname the#2\endcsname{%
344         \exp\xdef\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
345     }
346 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italiccor

```

6 File amstext-xetex-bidi.def

```

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

```

7 File amsthm-xetex-bidi.def

```

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

```

8 File array-xetex-bidi.def

```

354 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for Xe
355 \def\@testpach{\@chclass
356   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
357   \ifnum \@lastchclass=7 5 \else
358   \ifnum \@lastchclass=8 \tw@ \else
359   \ifnum \@lastchclass=9 \thr@@
360   \else \z@
361   \ifnum \@lastchclass = 10 \else
362   \edef\@nextchar{\expandafter\string\@nextchar}%
363   \@chnum
364   \if \@nextchar c\z@ \else
365   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
366   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
367   \z@ \@chclass
368   \if \@nextchar |\@ne \else
369   \if \@nextchar !6 \else
370   \if \@nextchar @7 \else
371   \if \@nextchar <8 \else
372   \if \@nextchar >9 \else
373   10
374   \@chnum
375   \if \@nextchar m\thr@@\else
376   \if \@nextchar p4 \else
377   \if \@nextchar b5 \else

```



```

378 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
379 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
380 \def\@tabular{%
381 \leavevmode
382 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
383 \let\d@llarend\endR
384 \@tabarray}
385 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
386 \expandafter\let\csname endtabular*\endcsname=\endtabular
387 \def\@array[#1]#2{%
388 \@tempdima \ht \strutbox
389 \advance \@tempdima by\extrarowheight
390 \setbox \@arstrutbox \hbox{\vrule
391 \@height \arraystretch \@tempdima
392 \@depth \arraystretch \dp \strutbox
393 \@width \z@}%
394 \beginR
395 \@mkpream{#2}%
396 \xdef\@preamble{\noexpand \ialign \@halignto
397 \bgroup \@arstrut \@preamble
398 \tabskip \z@ \cr}%
399 \endR
400 \@arrayleft
401 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
402 \bgroup
403 \let \@sharp ##\let \protect \relax
404 \lineskip \z@
405 \baselineskip \z@
406 \m@th
407 \let\\ \@arraycr \let\tabularnewline\\ \let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRcor
408 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
409 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
410 \def\array{\col@sep\arraycolsep
411 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
412 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

413 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article c
414 \if@titlepage
415 \renewcommand\maketitle{\begin{titlepage}%
416 \let\footnotesize\small
417 \let\right@footnoterule\relax
418 \let\left@footnoterule\relax
419 \let\textwidth\footnoterule\relax
420 \let \footnote \thanks
421 \let \LTRfootnote \LTRthanks
422 \let \RTLfootnote \RTLthanks
423 \null\vfil
424 \vskip 60\p@

```



```

425 \begin{center}%
426   {\LARGE \@title \par}%
427   \vskip 3em%
428   {\large
429     \lineskip .75em%
430     \begin{tabular}[t]{c}%
431       \@author
432     \end{tabular}\par}%
433   \vskip 1.5em%
434   {\large \@date \par}%           % Set date in \large size.
435 \end{center}\par
436 \@thanks
437 \vfil\null
438 \end{titlepage}%
439 \setcounter{footnote}{0}%
440 \global\let\thanks\relax
441 \global\let\LTRthanks\relax
442 \global\let\RTLthanks\relax
443 \global\let\maketitle\relax
444 \global\let\@thanks\@empty
445 \global\let\@author\@empty
446 \global\let\@date\@empty
447 \global\let\@title\@empty
448 \global\let\title\relax
449 \global\let\author\relax
450 \global\let\date\relax
451 \global\let\and\relax
452 }
453 \else
454 \renewcommand\maketitle{\par
455   \begingroup
456     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
457     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
458     \long\def\@makefntext##1{\parindent 1em\noindent
459       \hb@xt@1.8em{%
460         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
461     \if@twocolumn
462       \ifnum \col@number=\@ne
463         \@maketitle
464       \else
465         \twocolumn[\@maketitle]%
466       \fi
467     \else
468       \newpage
469       \global\@topnum\z@   % Prevents figures from going at top of page.
470       \@maketitle
471     \fi
472     \thispagestyle{plain}\@thanks
473   \endgroup
474   \setcounter{footnote}{0}%

```



```

475 \global\let\thanks\relax
476 \global\let\LTRthanks\relax
477 \global\let\RTLthanks\relax
478 \global\let\maketitle\relax
479 \global\let\@maketitle\relax
480 \global\let\@thanks\@empty
481 \global\let\@author\@empty
482 \global\let\@date\@empty
483 \global\let\@title\@empty
484 \global\let\title\relax
485 \global\let\author\relax
486 \global\let\date\relax
487 \global\let\and\relax
488 }
489 \def\@maketitle{%
490   \newpage
491   \null
492   \vskip 2em%
493   \begin{center}%
494     \let \footnote \thanks
495     \let \LTRfootnote \LTRthanks
496     \let \RTLfootnote \RTLthanks
497     {\LARGE \@title \par}%
498     \vskip 1.5em%
499     {\large
500       \lineskip .5em%
501       \begin{tabular}[t]{c}%
502         \@author
503       \end{tabular}\par}%
504     \vskip 1em%
505     {\large \@date}%
506   \end{center}%
507   \par
508   \vskip 1.5em}
509 \fi
510 \renewcommand*\l@part[2]{%
511   \ifnum \c@tocdepth >-2\relax
512     \addpenalty\@secpenalty
513     \addvspace{2.25em \@plus\p@}%
514     \setlength\@tempdima{3em}%
515     \begingroup
516       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
517       \parfillskip -\@pnumwidth
518       {\leavevmode
519         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
520       \nobreak
521       \if@compatibility
522         \global\@nobreaktrue
523         \everypar{\global\@nobreakfalse\everypar{}}%
524       \fi

```



```

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

```




```

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

```

10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

672         \nobreak
673         \if@compatibility
674         \global\@nobreaktrue
675         \everypar{\global\@nobreakfalse\everypar{}}%
676     \fi
677 \endgroup
678 \fi}
679 \else
680     \renewcommand*\l@part{%
681         \ifnum \c@tocdepth >-2\relax
682         \addpenalty\@secpenalty
683         \addvspace{2.25em \@plus \p@}%
684         \@regtocline{0}%
685     \fi}
686 \fi
687 \if@oldtoc
688 \renewcommand*\l@section[2]{%
689     \addpenalty\@secpenalty
690     \addvspace{1.0em \@plus \p@}%
691     \setlength\@tempdima{1.5em}%
692     \begingroup
693     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
694     \parfillskip -\@pnumwidth
695     \leavevmode \bfseries
696     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
697     \hskip -\if@RTL\rightskip\else\leftskip\fi
698     #1\nobreak\hb@xt@\@pnumwidth{\hss #2}\par
699 \endgroup}
700 \else
701     \renewcommand*\l@section{\@regtocline{1}}
702 \fi
703 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
704 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
705 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
706 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
707 \renewenvironment{thebibliography}[1]
708     {\section*\refname}%
709     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
710     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
711     \bidi@thebibliography@font@hook%
712     \list{\@biblabel{\@arabic\c@enumiv}}%
713         {\settowidth\labelwidth{\@biblabel{#1}}%
714         \leftmargin\labelwidth
715         \advance\leftmargin\labelsep
716         \@openbib@code
717         \usecounter{enumiv}%
718         \let\p@enumiv\@empty
719         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
720     \sloppy\clubpenalty4000\widowpenalty4000%
721     \sfcode`\.\@m}

```



```

722     {\def\@noitemerr
723      {\@latex@warning{Empty `thebibliography' environment}}}%
724     \endlist}
725 \renewcommand*\left@footnoterule{%
726   \kern-3\p@
727   \kern.5\baselineskip
728   \hrule\@width\unitindent
729   \kern.4\baselineskip
730 }
731 \renewcommand*\right@footnoterule{%
732   \kern-3\p@
733   \kern.5\baselineskip
734   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
735   \kern.4\baselineskip}
736 \if@titlepage
737 \renewcommand*\TitleFont{\rmfamily}
738 \renewcommand*\maketitle{%
739   \begin{titlepage}%
740     \let\footnotesize\small
741     \let\right@footnoterule\relax
742     \let\left@footnoterule\relax
743     \let\textwidth@footnoterule\relax
744     \let \footnote \thanks
745     \long\def\@makefnctext##1{\parindent\z@
746       \def\labelitemi{\textendash}\@revlabeltrue
747       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
748     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
749     \if@compatibility\setcounter{page}{0}\fi
750     \null\vfil
751     \vskip 60\p@
752     \begin{center}%
753       \TitleFont
754       {\LARGE \def\\{\penalty -\@M}
755         \if@allcaps
756           \expandafter\uc@nothanks\@title\thanks\relax
757         \else
758           \@title
759         \fi\par}%
760     \vskip 3em%
761     {\large
762       \lineskip .75em \parindent\z@
763       \begin{tabular}[t]{c}%
764         \if@allcaps
765           \expandafter\uc@authornothanks\@author\and\relax
766         \else
767           \@author
768         \fi
769       \end{tabular}\par}%
770     \vskip 1.5em%
771     {\large

```



```

772         \if@allcaps
773             \uppercase\expandafter{\@date}%
774         \else
775             \@date
776         \fi\par}%
777     \end{center}\par
778     \@thanks
779     \vfil\null
780 \end{titlepage}%
781 \setcounter{footnote}{0}%
782 \global\let\thanks\relax
783 \global\let\maketitle\relax
784 \global\let\@thanks\@empty
785 \global\let\@author\@empty
786 \global\let\@title\@empty
787 \global\let\@date\@empty
788 \global\let\title\relax
789 \global\let\author\relax
790 \global\let\date\relax
791 \global\let\and\relax
792 }
793 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
794 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
795     \futurelet\@tempa\uc@ax}
796 \def\uc@ax{%
797     \ifx\@tempa\relax
798     \else
799         \andname \andname \expandafter\uc@authornothanks
800     \fi}
801 \def\uc@tx{\ifx\@tempa\relax
802     \else \expandafter\uc@ty \fi}
803 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
804 \else
805 \renewcommand*\maketitle{\par
806     \begin{group}
807         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
808         \def\@makefnmark{\rlap{%
809             \@textsuperscript{\normalfont\@thefnmark}}}%
810         \long\def\@makefntext{\@xmakefntext{%
811             \@textsuperscript{\normalfont\@thefnmark}}}%
812         \if@twocolumn
813             \ifnum \col@number=\@ne
814                 \@maketitle
815             \else
816                 \twocolumn[\@maketitle]%
817             \fi
818         \else
819             \newpage
820             \global\@topnum\z@
821             \@maketitle

```



```

822 \fi
823 \thispagestyle{plain}\@thanks
824 \endgroup
825 \setcounter{footnote}{0}%
826 \global\let\thanks\relax
827 \global\let\maketitle\relax
828 \global\let\@maketitle\relax
829 \global\let\@thanks\@empty
830 \global\let\@author\@empty
831 \global\let\@title\@empty
832 \global\let\@date\@empty
833 \global\let\title\relax
834 \global\let\author\relax
835 \global\let\date\relax
836 \global\let\and\relax
837 }
838 \def\@maketitle{%
839 \newpage
840 \null
841 \vskip 2em%
842 \begin{center}%
843 \let \footnote \thanks
844 {\LARGE \TitleFont \@title \par}%
845 \vskip 1.5em%
846 {\large \TitleFont
847 \lineskip .5em%
848 \begin{tabular}[t]{c}%
849 \@author
850 \end{tabular}\par}%
851 \vskip 1em%
852 {\large \TitleFont \@date}%
853 \end{center}%
854 \par
855 \vskip 1.5em}
856 \fi

```

11 File artikel2-xetex-bidi.def

```

857 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class for
858 \renewenvironment{theindex}{%
859 \if@twocolumn
860 \@restonecolfalse
861 \else
862 \@restonecoltrue
863 \fi
864 \columnseprule \z@
865 \columnsep 35\p@
866 \twocolumn[\section*{\indexname}]%
867 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
868 \thispagestyle{plain}\parindent\z@

```



```

869 \parskip\z@ \@plus .3\p@\relax
870 \let\item\@idxitem
871 }{%
872 \if@restonecol\onecolumn\else\clearpage\fi}
873 \renewcommand*\@regtocline[3]{%
874 \ifnum #1>\c@tocdepth
875 \else
876 \vskip\z@ \@plus .2\p@
877 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
878 \if@RTL\righskip\else\leftskip\fi\unitindent
879 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
880 \parfillskip\z@
881 \@tempdima\unitindent
882 \advance\@tempdima by \othermargin
883 \parindent\z@
884 \leavevmode
885 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
886 \hskip 1em \nobreak{\slshape #3}\par
887 }%
888 \fi}
889 \if@oldtoc
890 \renewcommand*\l@section[2]{%
891 \addpenalty\@secpenalty
892 \addvspace{1.0em \@plus\p@}%
893 \setlength\@tempdima{1.5em}%
894 \begingroup
895 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
896 \parfillskip -\@pnumwidth
897 \leavevmode \bfseries
898 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
899 \hskip -\if@RTL\righskip\else\leftskip\fi
900 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
901 \endgroup}
902 \else
903 \renewcommand*\l@section{\@regtocline{1}}
904 \fi
905 \if@oldtoc
906 \renewcommand*\l@part[2]{%
907 \ifnum \c@tocdepth >-2\relax
908 \addpenalty\@secpenalty
909 \addvspace{2.25em \@plus\p@}%
910 \begingroup
911 \setlength\@tempdima{3em}%
912 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
913 \parfillskip -\@pnumwidth
914 {\leavevmode
915 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
916 \nobreak
917 \if@compatibility
918 \global\@nobreaktrue

```



```

919 \everypar{\global\@nobreakfalse\everypar{}}%
920 \fi
921 \endgroup
922 \fi}
923 \else
924 \renewcommand*\l@part{%
925 \ifnum \c@tocdepth >-2\relax
926 \addpenalty\@secpenalty
927 \addvspace{2.25em \@plus \p@}%
928 \@regtocline{0}%
929 \fi}
930 \fi
931 \renewcommand*\head@style{%
932 \interlinepenalty \@M
933 \hyphenpenalty=\@M \exhyphenpenalty=\@M
934 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
935 \if@titlepage
936 \renewenvironment{abstract}{%
937 \titlepage
938 \null\vfil
939 \section*{\SectFont\abstractname}%
940 \noindent\ignorespaces}
941 {\par\vfil\null\endtitlepage}
942 \else
943 \renewenvironment{abstract}{%
944 \if@twocolumn
945 \section*{\abstractname}%
946 \else
947 \section*{\hskip\unitindent\small\SectFont\abstractname}%
948 \list{}{\setlength\listparindent{\unitindent}%
949 \setlength\parindent {\z@}%
950 \setlength\leftmargin {\unitindent}%
951 \setlength\rightmargin {\unitindent}%
952 \setlength\parsep {\z@}}%
953 \item[]%
954 \fi}
955 {\if@twocolumn\else\par\endlist\fi}
956 \fi
957 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
958 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
959 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
960 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
961 \renewcommand*\left@footnoterule{%
962 \kern-3\p@
963 \hrule\@width 3\unitindent
964 \kern 2.6\p@
965 }
966 \renewcommand*\right@footnoterule{%
967 \kern-3\p@
968 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }

```




```

969 \kern 2.6\p@}
970 \renewenvironment{thebibliography}[1]
971   {\section*{\refname}%
972    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
973    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
974    \bidi@thebibliography@font@hook%
975    \list{\@biblabel{\@arabic\c@enumiv}}%
976      {\settowidth\labelwidth{\@biblabel{#1}}%
977       \leftmargin\labelwidth
978       \advance\leftmargin\labelsep
979       \@openbib@code
980       \usecounter{enumiv}%
981       \let\p@enumiv\@empty
982       \renewcommand*{theenumiv}{\@arabic\c@enumiv}}%
983    \sloppy\clubpenalty4000\widowpenalty4000%
984    \sfcode`.\@m}
985  {\def\@noitemerr
986   {\@latex@warning{Empty `thebibliography' environment}}%
987   \endlist}
988 \if@titlepage
989 \renewcommand*{\TitleFont}{\rmfamily}
990 \renewcommand*{\maketitle}{%
991   \begin{titlepage}%
992     \let\footnotesize\small
993     \let\right@footnoterule\relax
994     \let\left@footnoterule\relax
995     \let\textwidth\footnoterule\relax
996     \let \footnote \thanks
997     \long\def\@makefnmark{\parindent\z@
998       \def\labelitemi{\textendash}\@revlabeltrue
999       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1000    \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
1001    \if@compatibility\setcounter{page}{0}\fi
1002    \null\vfil
1003    \vskip 60\p@
1004    \begin{center}%
1005      \TitleFont
1006      {\LARGE \def\\{\penalty -\@M}
1007       \if@allcaps
1008         \expandafter\uc@nothanks\@title\thanks\relax
1009       \else
1010         \@title
1011       \fi\par}%
1012    \vskip 3em%
1013    {\large
1014     \lineskip .75em \parindent\z@
1015     \begin{tabular}[t]{c}%
1016       \if@allcaps
1017         \expandafter\uc@authornothanks\@author\and\relax
1018       \else

```



```

1019         \@author
1020         \fi
1021     \end{tabular}\par}%
1022     \vskip 1.5em%
1023     {\large
1024     \if@allcaps
1025         \uppercase\expandafter{\@date}%
1026     \else
1027         \@date
1028     \fi\par}%
1029     \end{center}\par
1030     \@thanks
1031     \vfil\null
1032 \end{titlepage}%
1033 \setcounter{footnote}{0}%
1034 \global\let\thanks\relax
1035 \global\let\maketitle\relax
1036 \global\let\@thanks\@empty
1037 \global\let\@author\@empty
1038 \global\let\@title\@empty
1039 \global\let\@date\@empty
1040 \global\let\title\relax
1041 \global\let\author\relax
1042 \global\let\date\relax
1043 \global\let\and\relax
1044 }
1045 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1046 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1047     \futurelet\@tempa\uc@ax}
1048 \def\uc@ax{%
1049     \ifx\@tempa\relax
1050     \else
1051         \\\ \andname \\\ \expandafter\uc@authornothanks
1052     \fi}
1053 \def\uc@tx{\ifx\@tempa\relax
1054     \else \expandafter\uc@ty \fi}
1055 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1056 \else
1057 \renewcommand*\maketitle{\par
1058     \begin{group}
1059         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1060         \long\def\@makefnmark##1{\parindent\z@
1061             \def\labelitemi{\textendash}%
1062             \leavevmode\hb@xt@.5\unitindent{%
1063                 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1064         \if@twocolumn
1065             \ifnum \col@number=\@ne
1066                 \@maketitle
1067             \else
1068                 \twocolumn[\@maketitle]%

```



```

1069     \fi
1070   \else
1071     \newpage
1072     \global\@topnum\z@
1073     \@maketitle
1074   \fi
1075   \thispagestyle{plain}\@thanks
1076 \endgroup
1077 \setcounter{footnote}{0}%
1078 \global\let\thanks\relax
1079 \global\let\maketitle\relax
1080 \global\let\@maketitle\relax
1081 \global\let\@thanks\@empty
1082 \global\let\@author\@empty
1083 \global\let\@title\@empty
1084 \global\let\@date\@empty
1085 \global\let\title\relax
1086 \global\let\author\relax
1087 \global\let\date\relax
1088 \global\let\and\relax
1089 }
1090 \def\@maketitle{%
1091   \newpage
1092   \null
1093   \vskip 2em%
1094   \begin{center}%
1095     \let \footnote \thanks
1096     {\LARGE \TitleFont \@title \par}%
1097     \vskip 1.5em%
1098     {\large \TitleFont
1099       \lineskip .5em%
1100       \begin{tabular}[t]{c}%
1101         \@author
1102       \end{tabular}\par}%
1103     \vskip 1em%
1104     {\large \TitleFont \@date}%
1105   \end{center}%
1106   \par
1107   \vskip 1.5em}
1108 \fi

```

12 File artikel3-xetex-bidi.def

```

1109 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class for
1110 \renewenvironment{theindex}{%
1111   \if@twocolumn
1112     \@restonecolfalse
1113   \else
1114     \@restonecoltrue
1115   \fi

```



```

1116 \columnseprule \z@
1117 \columnsep 35\p@
1118 \twocolumn[\section*{\indexname}]%
1119 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1120 \thispagestyle{plain}\parindent\z@
1121 \parskip\z@ \@plus .3\p@\relax
1122 \let\item\@idxitem
1123 }{%
1124 \if@restonecol\onecolumn\else\clearpage\fi}
1125 \renewcommand*{\headstyle}{%
1126 \interlinepenalty \@M
1127 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1128 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1129 \renewcommand*{\@regtocline[3]}{%
1130 \ifnum #1>\c@tocdepth
1131 \else
1132 \vskip\z@ \@plus.2\p@
1133 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
1134 \if@RTL\rightskip\else\leftskip\fi\unitindent
1135 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1136 \parfillskip\z@
1137 \@tempdima\unitindent
1138 \parindent\z@
1139 \leavevmode
1140 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1141 \hskip 1em \nobreak{\slshape #3}\par
1142 }%
1143 \fi}
1144 \if@oldtoc
1145 \renewcommand*{\l@part[2]}{%
1146 \ifnum \c@tocdepth >-2\relax
1147 \addpenalty\@secpenalty
1148 \addvspace{2.25em \@plus\p@}%
1149 \begingroup
1150 \setlength{\@tempdima}{3em}%
1151 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1152 \parfillskip -\@pnumwidth
1153 {\leavevmode
1154 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1155 \nobreak
1156 \if@compatibility
1157 \global\@nobreaktrue
1158 \everypar{\global\@nobreakfalse\everypar{}}%
1159 \fi
1160 \endgroup
1161 \fi}
1162 \else
1163 \renewcommand*{\l@part}{%
1164 \ifnum \c@tocdepth >-2\relax
1165 \addpenalty\@secpenalty

```



```

1166     \addvspace{2.25em \@plus \p@}%
1167     \regtocline{0}%
1168   \fi}
1169 \fi
1170
1171 \if@oldtoc
1172 \renewcommand*\l@section[2]{%
1173   \addpenalty\secpenalty
1174   \addvspace{1.0em \@plus \p@}%
1175   \setlength\tempdima{1.5em}%
1176   \begingroup
1177   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1178   \parfillskip -\@pnumwidth
1179   \leavevmode \bfseries
1180   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1181   \hskip -\if@RTL\rightskip\else\leftskip\fi
1182   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1183   \endgroup}
1184 \else
1185   \renewcommand*\l@section{\@regtocline{1}}
1186 \fi
1187 \if@titlepage
1188   \renewenvironment{abstract}{%
1189     \titlepage
1190     \null\vfil
1191     \section*{\SectFont\abstractname}%
1192     \noindent\ignorespaces}
1193     {\par\vfil\null\endtitlepage}
1194 \else
1195   \renewenvironment{abstract}{%
1196     \if@twocolumn
1197       \section*{\abstractname}%
1198     \else
1199       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1200       \section*{\small\SectFont\abstractname}%
1201       \noindent\ignorespaces
1202     \fi}
1203     {\if@twocolumn\else\par\egroup\fi}
1204 \fi
1205 \renewcommand*\left@footnoterule{%
1206   \kern-3\p@
1207   \kern.5\baselineskip
1208   \hrule\@width\unitindent
1209   \kern.4\baselineskip
1210 }
1211 \renewcommand*\right@footnoterule{%
1212   \kern-3\p@
1213   \kern.5\baselineskip
1214   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1215   \kern.4\baselineskip}

```



```

1216 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1217 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1218 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1219 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1220 \renewenvironment{thebibliography}[1]
1221     {\section*{\refname}%
1222      \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1223      \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1224      \bidi@thebibliography@font@hook%
1225      \list{\@biblabel{\@arabic\c@enumiv}}%
1226          {\settowidth\labelwidth{\@biblabel{#1}}%
1227           \leftmargin\labelwidth
1228           \advance\leftmargin\labelsep
1229           \@openbib@code
1230           \usecounter{enumiv}%
1231           \let\p@enumiv\@empty
1232           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1233      \sloppy\clubpenalty4000\widowpenalty4000%
1234      \sfcode`\.\@m}
1235      {\def\@noitemerr
1236       {\@latex@warning{Empty `thebibliography' environment}}%
1237       \endlist}
1238 \if@titlepage
1239 \renewcommand*\TitleFont{\rmfamily}
1240 \renewcommand*\maketitle{%
1241     \begin{titlepage}%
1242         \let\footnotesize\small
1243         \let\right@footnoterule\relax
1244         \let\left@footnoterule\relax
1245         \let\textwidth@footnoterule\relax
1246         \let \footnote \thanks
1247         \long\def\@makefnmark##1{\parindent\z@
1248             \def\labelitemi{\textendash}\@revlabeltrue
1249             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1250         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1251         \if@compatibility\setcounter{page}{0}\fi
1252         \null\vfil
1253         \vskip 60\p@
1254         \begin{center}%
1255             \TitleFont
1256             {\LARGE \def\\{\penalty -\@M}
1257              \if@allcaps
1258                  \expandafter\uc@nothanks\@title\thanks\relax
1259              \else
1260                  \@title
1261              \fi\par}%
1262             \vskip 3em%
1263             {\large
1264              \lineskip .75em \parindent\z@
1265              \begin{tabular}[t]{c}%

```



```

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

```



```

1316         \@maketitle
1317     \else
1318         \twocolumn[\@maketitle]%
1319     \fi
1320 \else
1321     \newpage
1322     \global\@topnum\z@
1323     \@maketitle
1324 \fi
1325 \thispagestyle{plain}\@thanks
1326 \endgroup
1327 \setcounter{footnote}{0}%
1328 \global\let\thanks\relax
1329 \global\let\maketitle\relax
1330 \global\let\@maketitle\relax
1331 \global\let\@thanks\@empty
1332 \global\let\@author\@empty
1333 \global\let\@title\@empty
1334 \global\let\@date\@empty
1335 \global\let\title\relax
1336 \global\let\author\relax
1337 \global\let\date\relax
1338 \global\let\and\relax
1339 }
1340 \def\@maketitle{%
1341     \newpage
1342     \null
1343     \vskip 2em%
1344     \if@titlecentered
1345         \begin{center}%
1346             \let \footnote \thanks
1347             {\LARGE \TitleFont \@title \par}%
1348             \vskip 1.5em%
1349             {\large \TitleFont
1350                 \lineskip .5em%
1351                 \begin{tabular}[t]{c}%
1352                     \@author
1353                 \end{tabular}\par}%
1354             \vskip 1em%
1355             {\large \TitleFont \@date}%
1356         \end{center}%
1357     \else
1358         {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1359         {\large \TitleFont \lineskip .5em \tabcolsep\z@
1360             \def\and{%% \begin{tabular} has already started
1361                 \end{tabular}\hskip 1em plus .17fil
1362                 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
1363                 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\p
1364             \vskip 1em {\large \TitleFont \@date}
1365         \fi

```




```

1366 \par
1367 \vskip 1.5em}
1368 \fi

```

13 File arydshln-xetex-bidi.def

```

1369 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1370 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1371 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1372 \expandafter\let\csname endtabular*\endcsname\endtabular
1373 \let\adl@array\@array
1374 \def\@array{\adl@everyvbox\everyvbox
1375     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1376     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1377     \let\adl@noalign\noalign
1378     \adl@array}
1379 \ifadl@usingarypkg
1380 \def\@testpach{\@chclass
1381 \ifnum \@lastchclass=6 \one \@chnum \one \else
1382 \ifnum \@lastchclass=7 5 \else
1383 \ifnum \@lastchclass=8 \tw@ \else
1384 \ifnum \@lastchclass=9 \thr@@
1385 \else \z@
1386 \ifnum \@lastchclass = 10 \else
1387 \edef\@nextchar{\expandafter\string\@nextchar}%
1388 \@chnum
1389 \if \@nextchar c\z@ \else
1390 \if \@nextchar \if@RTLtab r\else l\fi\one \else
1391 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1392 \z@ \@chclass
1393 \if \@nextchar |\one \let\@arrayrule\adl@arrayrule \else
1394 \if \@nextchar : \one \let\@arrayrule\adl@arraydashrule \else
1395 \if \@nextchar ; \one \let\@arrayrule\adl@argarraydashrule \else
1396 \if \@nextchar !6 \else
1397 \if \@nextchar @7 \else
1398 \if \@nextchar <8 \else
1399 \if \@nextchar >9 \else
1400 10
1401 \@chnum
1402 \if \@nextchar m\thr@@\else
1403 \if \@nextchar p4 \else
1404 \if \@nextchar b5 \else
1405 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1406 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1407
1408 \def\@classz{\@classx
1409 \tempcnta \count@
1410 \prepnext@tok
1411 \@addtopreamble{\ifcase \@chnum
1412 \hfil

```



```

1413 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1414 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1415 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1416 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1417 \adl@endmbox\or
1418 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1419 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1420 \fi}\prepnext@tok}
1421 \def\adl@class@start{4}
1422 \def\adl@class@iiiorvii{7}
1423
1424 \else
1425 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1426 \ifnum \@lastchclass=\thr@@ 5\relax \else
1427 \z@ \if #1c\@chnum \z@ \else
1428 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1429 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1430 \@chclass
1431 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1432 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1433 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1434 \if #1@\tw@ \else
1435 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1436 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1437
1438 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1439 \or \or \@addamp \or
1440 \@acolampacol \or \@firststampfalse \@acol \fi
1441 \edef\@preamble{\@preamble
1442 \ifcase \@chnum
1443 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1444 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1445 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1446 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1447 \or \or \@addamp \or
1448 \@acolampacol \or \@firststampfalse \@acol \fi
1449 \edef\@preamble{\@preamble
1450 \ifcase \@chnum
1451 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1452 \or \adl@putlrc{\@sharp\unskip}\hfil
1453 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1454 \def\adl@class@start{6}
1455 \def\adl@class@iiiorvii{3}
1456 \fi
1457 \ifpackageloaded{colortbl}{%
1458 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1459 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1460 \let\@endpbox\adl@org@endpbox}
1461 \let\adl@CT@setup\CT@setup
1462 \def\CT@setup{\adl@CT@setup

```



```

1463      \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1464      \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1465      \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1466 \let\adl@act@CT@setup@CT@setup
1467 \def\@classz{\@classx
1468     \@tempcnta\count@ \prepnext@tok
1469     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1470     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1471     \expandafter\adl@extract@drsc
1472         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1473     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1474     \@addtopreamble{\if@RTL\beginL\fi%
1475         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1476         \ifcase \@chnum
1477             \hskip\stretch{.5}\kern\z@
1478             \d@llarbegin
1479             \insert@column
1480             \d@llarend\hskip\stretch{.5}%
1481         \or \d@llarbegin \insert@column \d@llarend \hfill
1482         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1483         \or $\vcenter
1484             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1485         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1486         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1487         \fi
1488         \if@RTL\endR\fi\egroup\egroup
1489     \begingroup
1490         \CT@setup
1491         \CT@column@color
1492         \CT@row@color
1493         \CT@cell@color
1494         \CT@do@color
1495     \endgroup
1496     \@tempdima\ht\z@
1497     \advance\@tempdima\minrowclearance
1498     \vrule\@height\@tempdima\@width\z@
1499     \unhbox\z@\if@RTL\endL\fi}%
1500     \prepnext@tok}
1501 \let\adl@act@classz\@classz
1502 \let\adl@org@classz\@classz
1503 }{}

```

14 File bidi.sty

```

1504 \NeedsTeXFormat{LaTeX2e}
1505 \def\bididate{2018/01/17}
1506 \def\bidi@version{32.2}
1507 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
1508 Bidirectional typesetting in plain TeX and LaTeX]
1509 \edef\@bidi@info{*****~J%

```



```

1510 * ^^J%
1511 * bidi package (Bidirectional typesetting in^^J%
1512 * plain TeX and LaTeX, using XeTeX engine)^^J%
1513 * ^^J%
1514 * Description: A convenient interface for^^J%
1515 * typesetting bidirectional texts in plain TeX^^J%
1516 * and LaTeX. The package includes adaptations^^J%
1517 * for use with many other commonly-used packages.^^J%
1518 * ^^J%
1519 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1520 * ^^J%
1521 * v\bidi@version, \bididate^^J%
1522 * ^^J%
1523 * License: LaTeX Project Public License, version^^J%
1524 * 1.3c or higher (your choice)^^J%
1525 * ^^J%
1526 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1527 * ^^J%
1528 * Issue tracker: https://github.com/tex-xet/bidi/issues^^J%
1529 * ^^J%
1530 * Support: persian-tex@tug.org^^J%
1531 * ^^J%
1532 *****}
1533 \typeout{\@bidi@info}
1534 \edef\bidi@everyjob{\the\everyjob}
1535 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1536 \newcommand*{\bidiversion}{$\bidi@version$}
1537 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1538   \ifdim\bidi@version pt > #1 pt %
1539     \expandafter\@firstoftwo
1540   \else
1541     \expandafter\@secondoftwo
1542   \fi}
1543 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1544   \ifdim\bidi@version pt < #1 pt %
1545     \expandafter\@firstoftwo
1546   \else
1547     \expandafter\@secondoftwo
1548   \fi}
1549 \newcommand*{\IfbidiPackageVersion}[1]{%
1550   \ifdim\bidi@version pt = #1 pt %
1551     \expandafter\@firstoftwo
1552   \else
1553     \expandafter\@secondoftwo
1554   \fi}
1555 \RequirePackage{iftex}
1556 \RequireXeTeX
1557 \RequirePackage{biditools}
1558 \RequirePackage{zref-abspage}
1559 \RequirePackage{auxhook}

```



```

1560 \RequirePackage{ltxcmds}
1561 \RequirePackage{xkeyval}
1562 \eqnewif{\if@RTLmain}{\if@rlmain}
1563 \eqnewif{\if@RTL}{\if@rl}
1564 \newif\if@nonlatin
1565 \newcommand*{\setlatin}{\@nonlatinfalse}
1566 \newcommand*{\setnonlatin}{\@nonlatintrue}
1567 \eqnewif{\if@RTLtab}{\if@tab@rl}
1568 \newif\if@hboxRconstruct
1569 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1570 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1571 \newif\if@RTLMarginpar
1572 \newif\if@LTRmarginpar
1573 \newif\if@LTRbibitems
1574 \newif\if@RTLbibitems
1575 \newif\if@extrafootnotefeatures
1576 \newif\if@parafootRTL
1577 \newif\if@RTLcolumnfootnotes
1578 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1579 \newif\if@bidi@list@minipage@parbox
1580 \newif\if@bidi@list@minipage@parbox@not@nob
1581 \@RTLmainfalse
1582 \AtBeginDocument{%
1583   \if@RTLmain\else
1584     \if@RTL\@RTLmaintrue%
1585     \else\@RTLmainfalse%
1586     \fi%
1587   \fi%
1588 }
1589 \let\n@xt=\
1590 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1591 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1592 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1593 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1594 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1595   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1596 \input{latex-xetex-bidi.def}
1597 \input{loadingorder-xetex-bidi.def}
1598 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1599   \ifcase\bidi@tempb\relax
1600     \@RTLtrue
1601   \or
1602     \@RTLfalse
1603   \fi}
1604 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
1605   \ifcase\bidi@tempb\relax
1606     \@RTLtrue
1607   \or
1608     \@RTLfalse
1609   \fi}

```



```

1610 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1611   \ifcase\bidi@tempb\relax
1612     \RTLtabtrue
1613   \or
1614     \RTLtabfalse
1615   \fi}
1616 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1617   \ifcase\bidi@tempb\relax
1618     \@nonlatinfalse
1619   \or
1620     \@nonlatintrue
1621   \fi}
1622 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1623   \ifcase\bidi@tempb\relax
1624     \RTLtrue
1625   \or
1626     \RTLfalse
1627   \fi}
1628 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,%
1629   \ifcase\bidi@tempb\relax
1630     \autofootnoterule
1631   \or
1632     \leftfootnoterule
1633   \or
1634     \rightfootnoterule
1635   \or
1636     \SplitFootnoteRule
1637   \or
1638     \textwidthfootnoterule
1639   \fi}
1640 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright,%
1641   \ifcase\bidi@tempb\relax
1642     \RTL@footnotetrue
1643   \or
1644     \RTL@footnotefalse
1645   \fi}
1646 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1647   \ifcase\bidi@tempb\relax
1648     \footdir@debugtrue
1649   \or
1650     \footdir@debugfalse
1651   \fi}
1652 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1653   \ifcase\bidi@tempb\relax
1654     \@extrafootnotefeaturestrue
1655   \or
1656     \@extrafootnotefeaturesfalse
1657   \fi}
1658
1659 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%

```



```

1660 \ifcase\bidit@tempb\relax
1661 \def\bidit@firstcolumn@status@write{%
1662     \protected@write\@auxout{%
1663         {\string\bidit@column@status
1664         {1}}}%
1665 \def\bidit@lastcolumn@status@write{%
1666     \protected@write\@auxout{%
1667         {\string\bidit@column@status{2}}}%
1668 \or
1669     \let\bidit@firstcolumn@status@write\relax
1670     \let\bidit@lastcolumn@status@write\relax
1671 \fi}
1672
1673 \ExecuteOptionsX{%
1674     DetectColumn=off
1675 }
1676
1677 \ProcessOptionsX
1678
1679 \if@extrafootnotefeatures
1680 \input{extrafootnotefeatures-xetex-bidi.def}
1681 \fi
1682 \newcount\bidit@digits
1683 \XeTeXinterchartokenstate=\@ne
1684 \newXeTeXintercharclass\bidit@digits@charclass
1685 \newXeTeXintercharclass\bidit@sepmark@charclass
1686 \XeTeXcharclass`\.\ \bidit@sepmark@charclass
1687 \XeTeXcharclass`\- \bidit@sepmark@charclass
1688 \bidit@digits=\0 \loop \XeTeXcharclass \bidit@digits \bidit@digits@charclass \ifnum\bidit@digits<
1689 \bidit@digits=\ \loop \XeTeXcharclass \bidit@digits \bidit@digits@charclass \ifnum\bidit@digits<
1690 \XeTeXinterchartoks \bidit@sepmark@charclass \bidit@digits@charclass = {\DigitsDotDashInterChar
1691 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}

```

15 File bidi.tex

```

1692 \def\bididate{2018/01/17}
1693 \def\bidit@version{0.3}
1694 \catcode`\@=11
1695 \let \protect \relax
1696 \newlinechar`\^^J
1697 \edef\@bidit@info{*****\^^J%
1698 * \^^J%
1699 * bidi package (Bidirectional typesetting in\^^J%
1700 * plain TeX and LaTeX, using XeTeX engine)\^^J%
1701 * \^^J%
1702 * Description: A convenient interface for\^^J%
1703 * typesetting bidirectional texts in plain TeX\^^J%
1704 * and LaTeX. The package includes adaptations\^^J%
1705 * for use with many other commonly-used packages.\^^J%
1706 * \^^J%

```



```

1707 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1708 * ^^J%
1709 * v\bidiversion, \bididate^^J%
1710 * ^^J%
1711 * License: LaTeX Project Public License, version^^J%
1712 * 1.3c or higher (your choice)^^J%
1713 * ^^J%
1714 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1715 * ^^J%
1716 * Issue tracker: https://github.com/tex-xet/bidi/issues^^J%
1717 * ^^J%
1718 * Support: persian-tex@tug.org^^J%
1719 * ^^J%
1720 *****}
1721 \message{\@bidi@info}
1722 \edef\bidieveryjob{\the\everyjob}
1723 \everyjob{\bidieveryjob\message{\@bidi@info}}
1724 \def\bidiversion{\$ \bidi@version$}
1725 \input iftex.sty
1726 \RequireXeTeX
1727 \newif\if@RTLmain
1728 \newif\if@RTL
1729 \newif\if@hboxRconstruct
1730 \newif\if@sentedir
1731 \newif\if@RTL@footnote
1732 \@RTLmainfalse
1733 \def\setRTLmain{%
1734   \if@RTLmain\else
1735     \if@RTL\@RTLmaintrue%
1736     \else\@RTLmainfalse%
1737     \fi%
1738   \fi%
1739 }
1740 \let\n@xt=\
1741 \protected\def\LRE{\protect\pLRE}%
1742 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1743 \protected\def\RLE{\protect\pRLE}
1744 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1745 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1746   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1747 \input plain-xetex-bidi.def
1748 \catcode`@=12

```

16 File bidi2in1.sty

```

1749 \NeedsTeXFormat{LaTeX2e}
1750 \ProvidesPackage{bidi2in1}
1751 \pagestyle{plain}
1752 \newcount\evenpage
1753 \newcount\oddpage

```




```

1754 \twocolumn
1755 \def\@oddfoot{\evenpage=\thepage%
1756 \multiply\evenpage by 2%
1757 \oddpag=\the\evenpage%
1758 \advance\oddpag by -1%
1759 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
1760 \def\@evenfoot{\evenpage=\thepage%
1761 \multiply\evenpage by 2%
1762 \oddpag=\the\evenpage%
1763 \advance\oddpag by -1%
1764 \hfil\the\oddpag\hfil\hfil\the\evenpage\hfil}%
1765 \textwidth 9.49in
1766 \textheight 6.7in
1767 \columnsep 0.9in
1768 \columnseprule 0.125pt
1769 \headheight 0cm
1770 \topmargin 0in
1771 \marginparwidth 0in
1772 \marginparsep 0in
1773 \hoffset 0.05in % Corrected
1774 \voffset -0.5in %top margin space is 1.0in by default
1775 \oddsidemargin 0in
1776 \evensidemargin 0in
1777 \headsep 0cm
1778 \topskip 0cm
1779 \parskip 0.15in %
1780 \headsep 0pt
1781 \special{papersize=11.69in,8.26in}
1782 \renewcommand\maketitle{\par
1783 \begingroup
1784 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1785 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1786 \long\def\@makefntext##1{\parindent 1em\noindent
1787 \hb@xt@1.8em{%
1788 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1789 \@maketitle
1790 \@thanks
1791 \endgroup
1792 \setcounter{footnote}{0}%
1793 \global\let\thanks\relax
1794 \global\let\maketitle\relax
1795 \global\let\@maketitle\relax
1796 \global\let\@thanks\@empty
1797 \global\let\@author\@empty
1798 \global\let\@date\@empty
1799 \global\let\@title\@empty
1800 \global\let\title\relax
1801 \global\let\author\relax
1802 \global\let\date\relax
1803 \global\let\and\relax

```



```
1804 }
```

17 File `bidicode.sty`

```
1805 \NeedsTeXFormat{LaTeX2e}
1806 \ProvidesPackage{bidicode}
1807 \RequirePackage{xcolor}
1808 \RequirePackage{showexpl}
1809 \definecolor{hellgelb}{rgb}{1,1,0.85}
1810 \definecolor{colKeys}{rgb}{0,0,1}
1811 \definecolor{colIdentifier}{rgb}{0,0,0}
1812 \definecolor{colComments}{rgb}{1,0,0}
1813 \definecolor{colString}{rgb}{0,0.5,0}
1814 \lstset{
1815     language=[LaTeX]TEX,
1816     float=hbp,
1817     basicstyle=\ttfamily\small,
1818     identifierstyle=\color{colIdentifier},
1819     keywordstyle=\color{colKeys},
1820     stringstyle=\color{colString},
1821     commentstyle=\color{colComments},
1822     backgroundcolor=\color{hellgelb},
1823     columns=flexible,
1824     tabsize=4,
1825     extendedchars=true,
1826     showspaces=false,
1827     showstringspaces=false,
1828     numbers=left,
1829     numbersep=0.9em,
1830     numberstyle=\tiny, %
1831     frame=single,
1832     captionpos=b,
1833     xleftmargin=1em,
1834     breaklines=true,
1835     breakautoindent=false,
1836     breakindent=0pt,
1837     escapeinside=**,
1838     pos=r,
1839     explpreset={%
1840     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1841     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1842 }
1843 \newcommand\HLON{%
1844     \gdef\lst@alloverstyle##1{%
1845         \fboxrule=0pt
1846         \fboxsep=0pt
1847         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1848     }}
1849 \newcommand\HLOFF{%
1850     \xdef\lst@alloverstyle##1{##1}%

```



```

1851 }
1852 \newcommand\Larg [1]{\normalfont\itshape#1\ /}
1853 \newcommand\Larga[1]{\langle\Larg{#1}\rangle}
1854 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
1855 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
1856 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
1857 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}
1858 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}
1859
1860 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
1861 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`\{}}
1862 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`\}}
1863 \DeclareRobustCommand\lsb{\normalfont\ttfamily[}
1864 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
1865 \DeclareRobustCommand\lrb{\normalfont\ttfamily(}
1866 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}
1867
1868 \def\Lcs#1{\nxLcs{#1}}
1869 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1870 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1871
1872 \def\Coordx#1{$x_{#1}$}
1873 \def\Coordy#1{$y_{#1}$}
1874 \def\Coordz#1{$z_{#1}$}
1875 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1876 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1877 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1878 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
1879 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1880 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1881 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
1882 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1883 \def\coordx#1{($x_{#1}$)}
1884 \def\coordy#1{($y_{#1}$)}
1885 \def\coordz#1{($z_{#1}$)}
1886 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
1887 \def\ciiiiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1888
1889 \newsavebox{\boxdef}
1890 \newenvironment{BDef}
1891   {\begin{lrbox}\boxdef
1892     \def\arraystretch{1.0}
1893     \begin{tabular}{@{}l@{}l@{}l@{}}
1894   }
1895   {\end{tabular}\end{lrbox}}
1896
1897   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1898   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1899 }
1900

```



```

1901 \newenvironment{BDef*}
1902   {\begin{lrbox}\boxdef
1903     \def\arraystretch{1.0}
1904     \begin{tabular}{@{}l@{}l@{}l@{}}
1905   }
1906   {\end{tabular}\end{lrbox}
1907   {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}
1908   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1909 }
1910 \newenvironment{BCmd*}{
1911   \@beginparpenalty-\@lowpenalty
1912   \topsep\BDefaboveskip
1913   \fboxsep3pt
1914   \flushleft}
1915 {\@endparpenalty\@M
1916  \@topsepadd\BDefbelowskip
1917  \endflushleft}
1918
1919 \newenvironment{BCmd*}{
1920   \@beginparpenalty\@M
1921   \topsep\BDefinlineskip
1922   \fboxsep3pt
1923   \flushleft}
1924 {\@endparpenalty5000
1925  \endflushleft}
1926
1927 \newskip\BDefaboveskip
1928 \newskip\BDefbelowskip
1929 \newskip\BDefinlineskip
1930 \setlength\BDefaboveskip{10pt plus 4pt}
1931 \setlength\BDefbelowskip{6pt}
1932 \setlength\BDefinlineskip{6pt}
1933
1934 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
1935 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
1936 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
1937 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

18 File bidiftnxtra.sty

```

1938 \NeedsTeXFormat{LaTeX2e}
1939 \ProvidesPackage{bidiftnxtra}
1940 \newtoks\bidip@ftn
1941 \let\FN@sfc@footnote\footnote
1942 \let\FN@sfc@LTRfootnote\LTRfootnote
1943 \let\FN@sfc@RTLfootnote\RTLfootnote
1944 \def\footnote{\ifx\protect\@typeset@protect
1945   \expandafter\FN@sfc@footnote
1946   \else
1947     \expandafter\FN@sfc@gobble@opt

```



```

1948 \fi
1949 }
1950 \def\LTRfootnote{\ifx\protect\@typeset@protect
1951 \expandafter\FN@sfi@LTRfootnote
1952 \else
1953 \expandafter\FN@sfi@gobble@opt
1954 \fi
1955 }
1956 \def\RTLfootnote{\ifx\protect\@typeset@protect
1957 \expandafter\FN@sfi@RTLfootnote
1958 \else
1959 \expandafter\FN@sfi@gobble@opt
1960 \fi
1961 }
1962 \edef\FN@sfi@gobble@opt{\noexpand\protect
1963 \expandafter\noexpand\csname FN@sfi@gobble@opt \endcsname}
1964 \expandafter\def\csname FN@sfi@gobble@opt \endcsname{%
1965 \@ifnextchar[%]
1966 \FN@sfi@gobble@twobrace
1967 \gobble
1968 }
1969 \def\FN@sfi@gobble@twobrace[#1]#2{
1970 \let\FN@sfi@footnotemark\footnotemark
1971 \def\footnotemark{\ifx\protect\@typeset@protect
1972 \expandafter\FN@sfi@footnotemark
1973 \else
1974 \expandafter\FN@sfi@gobble@optonly
1975 \fi
1976 }
1977 \edef\FN@sfi@gobble@optonly{\noexpand\protect
1978 \expandafter\noexpand\csname FN@sfi@gobble@optonly \endcsname}
1979 \expandafter\def\csname FN@sfi@gobble@optonly \endcsname{%
1980 \@ifnextchar[%]
1981 \FN@sfi@gobble@brace
1982 }%
1983 }
1984 \def\FN@sfi@gobble@brace[#1]{
1985 \def\@tabular{%
1986 \leavevmode \hbox \bgroup
1987 \let\@footnotetext\@p@ftntext
1988 \let\@LTRfootnotetext\@p@LTRftntext
1989 \let\@RTLfootnotetext\@p@RTLftntext
1990 \let\@xfootnotenext\@p@xftntext
1991 \let\@xfootnote\@p@xfootnote
1992 \let\@xLTRfootnotenext\@p@xLTRftntext
1993 \let\@xLTRfootnote\@p@xLTRfootnote
1994 \let\@xRTLfootnotenext\@p@xRTLftntext
1995 \let\@xRTLfootnote\@p@xRTLfootnote
1996 \if@RTLtab\beginR \fi
1997 $\let\@acol\@tabacol

```



```

1998 \let\@classz\@tabclassz
1999 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2000 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2001 \egroup $\if@RTLtab\endR\fi\egroup
2002 \ifx\@capttype\@undefined
2003 \global\bidip@p@ftn\expandafter{\expandafter}\the\bidip@p@ftn\fi}
2004 \long\def\bidip@p@ftntext#1{%
2005 \edef\@tempy{\the\bidip@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
2006 \global\bidip@p@ftn\expandafter{\@tempy{#1}}}%
2007 \long\def\bidip@p@LTRftntext#1{%
2008 \edef\@tempyi{\the\bidip@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2009 \global\bidip@p@ftn\expandafter{\@tempyi{#1}}}%
2010 \long\def\bidip@p@RTLftntext#1{%
2011 \edef\@tempyii{\the\bidip@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2012 \global\bidip@p@ftn\expandafter{\@tempyii{#1}}}%
2013
2014
2015 \long\def\bidip@p@xftntext[#1]#2{%
2016 \global\bidip@p@ftn\expandafter{\the\bidip@p@ftn\footnotetext[#1]{#2}}}
2017
2018 \long\def\bidip@p@xLTRftntext[#1]#2{%
2019 \global\bidip@p@ftn\expandafter{\the\bidip@p@ftn\LTRfootnotetext[#1]{#2}}}
2020
2021 \long\def\bidip@p@xRTLftntext[#1]#2{%
2022 \global\bidip@p@ftn\expandafter{\the\bidip@p@ftn\RTLfootnotetext[#1]{#2}}}
2023
2024
2025 \def\bidip@p@xfootnote[#1]{%
2026 \begingroup
2027 \csname c@\@mpfn\endcsname #1\relax
2028 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2029 \endgroup
2030 \@footnotemark\bidip@p@xftntext[#1]}
2031
2032
2033 \def\bidip@p@xLTRfootnote[#1]{%
2034 \begingroup
2035 \csname c@\@mpfn\endcsname #1\relax
2036 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2037 \endgroup
2038 \@footnotemark\bidip@p@xLTRftntext[#1]}
2039
2040
2041 \def\bidip@p@xRTLfootnote[#1]{%
2042 \begingroup
2043 \csname c@\@mpfn\endcsname #1\relax
2044 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2045 \endgroup
2046 \@footnotemark\bidip@p@xRTLftntext[#1]}
2047

```



```

2048 \def\@xfloat #1[#2]{%
2049   \@nodocument
2050   \def \@capytype {#1}%
2051   \def \@fps {#2}%
2052   \@onelevel@sanitize \@fps
2053   \def \reserved@b {!}%
2054   \ifx \reserved@b \@fps
2055     \@fpsadddefault
2056   \else
2057     \ifx \@fps \@empty
2058       \@fpsadddefault
2059     \fi
2060   \fi
2061   \ifhmode
2062     \@bsphack
2063     \@floatpenalty -\@Mii
2064   \else
2065     \@floatpenalty-\@Miii
2066   \fi
2067   \ifinner
2068     \@parmoderr\@floatpenalty\z@
2069   \else
2070     \@next\@currbox\@freelist
2071     {%
2072       \@tempcnta \sixt@n
2073       \expandafter \@tfor \expandafter \reserved@a
2074         \expandafter :\expandafter =\@fps
2075       \do
2076       {%
2077         \if \reserved@a h%
2078           \ifodd \@tempcnta
2079             \else
2080               \advance \@tempcnta \@ne
2081             \fi
2082           \fi
2083         \if \reserved@a t%
2084           \@setfpsbit \tw@
2085         \fi
2086         \if \reserved@a b%
2087           \@setfpsbit 4%
2088         \fi
2089         \if \reserved@a p%
2090           \@setfpsbit 8%
2091         \fi
2092         \if \reserved@a !%
2093           \ifnum \@tempcnta>15
2094             \advance\@tempcnta -\sixt@n\relax
2095           \fi
2096         \fi
2097       }%

```



```

2098      \@tempcntb \csname ftype@\@capttype \endcsname
2099      \multiply \@tempcntb \@xxxii
2100      \advance \@tempcnta \@tempcntb
2101      \global \count\@currbox \@tempcnta
2102      }%
2103      \@fltovf
2104      \fi
2105      \global \setbox\@currbox
2106      \color@vbox
2107      \normalcolor
2108      \vbox \bgroup
2109      \let\@footnotetext\bidip@fnttext
2110      \let\@LTRfootnotetext\bidip@LTRfnttext
2111      \let\@RTLfootnotetext\bidip@RTLfnttext
2112      \let\@xfootnotenext\bidip@xftntext
2113      \let\@xfootnote\bidip@xfootnote
2114      \let\@xLTRfootnotenext\bidip@xLTRfnttext
2115      \let\@xLTRfootnote\bidip@xLTRfootnote
2116      \let\@xRTLfootnotenext\bidip@xRTLfnttext
2117      \let\@xRTLfootnote\bidip@xRTLfootnote
2118      \hsize\columnwidth
2119      \@parboxrestore
2120      \@floatboxreset
2121      }
2122      \def \@endfloatbox{%
2123          \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2124          \@minipagefalse
2125          \outer@nobreak
2126          \egroup                %% end of vbox
2127          \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
2128          \color@endbox
2129      }

```

19 File `bidimoderncv.cls`

```

2130 \NeedsTeXFormat{LaTeX2e}
2131 \ProvidesClass{bidimoderncv}
2132 \newif\if@DEBUG\@DEBUGfalse
2133 \DeclareOption{a4paper}{
2134     \setlength\paperheight{297mm}
2135     \setlength\paperwidth{210mm}}
2136 \DeclareOption{a5paper}{
2137     \setlength\paperheight{210mm}
2138     \setlength\paperwidth{148mm}}
2139 \DeclareOption{b5paper}{
2140     \setlength\paperheight{250mm}
2141     \setlength\paperwidth{176mm}}
2142 \DeclareOption{letterpaper}{
2143     \setlength\paperheight{11in}
2144     \setlength\paperwidth{8.5in}}

```




```

2145 \DeclareOption{legalpaper}{
2146   \setlength\paperheight{14in}
2147   \setlength\paperwidth{8.5in}}
2148 \DeclareOption{executivepaper}{
2149   \setlength\paperheight{10.5in}
2150   \setlength\paperwidth{7.25in}}
2151 \DeclareOption{landscape}{
2152   \setlength\@tempdima{\paperheight}
2153   \setlength\paperheight{\paperwidth}
2154   \setlength\paperwidth{\@tempdima}}
2155 \newcommand\@ptsize{
2156   \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2157   \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2158   \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2159   \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2160   \DeclareOption{final}{\setlength\overfullrule{0pt}}
2161   \newif\if@colour\@colourtrue
2162   \DeclareOption{nocolour}{\@colourfalse}
2163   \ExecuteOptions{a4paper,11pt,colour,final}
2164   \ProcessOptions\relax
2165   \input{size1\@ptsize.clo}
2166   \RequirePackage{color}
2167   \RequirePackage{graphicx}
2168   \RequirePackage{ifthen}
2169   \RequirePackage{marvosym}
2170   \addtolength{\oddsidemargin}{-54pt}
2171   \addtolength{\textwidth}{109pt}
2172   \addtolength{\topmargin}{-70pt}
2173   \addtolength{\textheight}{122pt}
2174   \addtolength{\marginparsep}{-5pt}
2175   \addtolength{\marginparwidth}{-10pt}
2176   \RequirePackage{url}
2177   \RequirePackage{hyperref}
2178   \hypersetup{
2179     breaklinks,
2180     baseurl      = http://,%
2181     pdfborder    = 0 0 0,%
2182     pdfpagemode  = UseNone,%
2183     pdfstartpage = 1}
2184   \AtEndOfClass{
2185     \AtBeginDocument{
2186       \hypersetup{
2187         pdfauthor      = \@firstname~\@familyname,%
2188         pdftitle       = \@title,%
2189         pdfsubject     = \@firstname~\@familyname,%
2190         pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2191   \urlstyle{tt}
2192   \RequirePackage{fancyhdr}
2193   \fancypagestyle{plain}{%
2194     \renewcommand{\headrulewidth}{0pt}

```



```

2195 \renewcommand{\footrulewidth}{0pt}
2196 \fancyhf{}}
2197 \pagestyle{plain}
2198 \setlength\lineskip{1\p@}
2199 \setlength\normallineskip{1\p@}
2200 \renewcommand\baselinestretch{}
2201 \setlength{\parindent}{0pt}
2202 \setlength{\parskip}{0pt}
2203 \setlength\columnsep{10\p@}
2204 \setlength\columnseprule{0\p@}
2205 \pagestyle{empty}
2206 \pagenumbering{arabic}
2207 \raggedbottom
2208 \onecolumn
2209 \providecommand*\listitemsymbol{\textbullet}
2210 \providecommand*\addresssymbol{}
2211 \providecommand*\mobilesymbol{\Mobilefone}
2212 \providecommand*\phonesymbol{\Telefon}
2213 \providecommand*\faxsymbol{\FAX}
2214 \providecommand*\emailsymbol{\Letter}
2215 \definecolor{firstnamecolour}{rgb}{0,0,0}
2216 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2217 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2218 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2219 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2220 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2221 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2222 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2223 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2224 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2225 \providecommand*\firstnamefont{}
2226 \providecommand*\familynamefont{}
2227 \providecommand*\titlefont{}
2228 \providecommand*\addressfont{}
2229 \providecommand*\quotefont{}
2230 \providecommand*\sectionfont{}
2231 \providecommand*\subsectionfont{}
2232 \providecommand*\hintfont{\small}
2233 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1\}}
2234 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamecolour#1\}}
2235 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1\}}
2236 \providecommand*\addressstyle[1]{\{\@addressfont\@addresscolour#1\}}
2237 \providecommand*\quotestyle[1]{\{\@quotefont\@quotecolour#1\}}
2238 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1\}}
2239 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1\}}
2240 \providecommand*\hintstyle[1]{\{\@hintfont\@hintcolour#1\}}
2241 \newcommand*\cvtheme}[2][{}]{
2242 \def\@cvtheme{#2}
2243 \def\@cvthemeoptions{#1}
2244 \cvtheme{bidi-casual}

```



```

2245 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2246 \newcommand*{\resumename}[1]{\def\@resumename{#1}}
2247 \newcommand*{\firstname}[1]{\def\@firstname{#1}}
2248 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
2249 \renewcommand*{\title}[1]{\def\@title{#1}}
2250 \newcommand*{\address}[1]{\def\@address{#1}}
2251 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
2252 \newcommand*{\phone}[1]{\def\@phone{#1}}
2253 \renewcommand*{\fax}[1]{\def\@fax{#1}}
2254 \newcommand*{\email}[1]{\def\@email{#1}}
2255 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
2256 \def\@photowidth{0pt}
2257 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2258 \newcommand*{\quote}[1]{\def\@quote{#1}}
2259 \newlength{\quotewidth}
2260 \newlength{\hintscolumnwidth}
2261 \newlength{\separatorcolumnwidth}
2262 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2263 \newlength{\maincolumnwidth}
2264 \newlength{\doubleitemmaincolumnwidth}
2265 \newlength{\listitemsymbolwidth}
2266 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
2267 \newlength{\listitemmaincolumnwidth}
2268 \newlength{\listdoubleitemmaincolumnwidth}
2269 \newcommand*{\recomputethemelengths}{}
2270 \newcommand*{\recomputelengths}{%
2271 \setlength{\quotewidth}{0.65\textwidth}%
2272 \setlength{\maincolumnwidth}{\textwidth}%
2273 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2274 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2275 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2276 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2277 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2278 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2279 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2280 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2281 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2282 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2283 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2284 \renewcommand{\headwidth}{\textwidth}%
2285 \recomputethemelengths}
2286 \setlength{\hintscolumnwidth}{0.15\textwidth}
2287 \recomputelengths
2288 \title{}
2289 \renewcommand*{\maketitle}{}
2290 \newcommand*{\section}[1]{%
2291 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2292 \phantomsection}%
2293 \addcontentsline{toc}{part}{#1}%
2294 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}

```



```

2295 \hspace{\separatorcolumnwidth}%
2296 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\{1ex\}
2297 \newcommand*{\subsection}[1]{%
2298   \cvline[0.45em]{\subsectionstyle{#1}}
2299 \newcommand*{\cvline}[3][.25em]{%
2300   \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}}
2301     \bidi@raggedleft\hintfont{#2} &{#3}%
2302   \end{tabular}\{#1\}
2303 \newcommand*{\cvdoubleitem}[4]{%
2304   \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2305   \hfill%
2306   \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2307 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2308   \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
2309 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2310   \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2311   \hfill%
2312   \ifthenelse{\equal{#3}{}}{
2313     }{
2314       #1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}
2315 \newcommand*{\cventry}[6]{%
2316   \cvline{#1}{%
2317     {\bfseries#2}%
2318     \ifx#3\else{, {\slshape#3}}\fi%
2319     \ifx#4\else{, #4}\fi%
2320     \ifx#5\else{, #5}\fi%
2321     .%
2322     \ifx#6\else{\newline{\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}}\fi
2323   }%
2324 \newcommand*{\cvlanguage}[3]{%
2325   \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}}
2326 \newcommand*{\cvcomputer}[4]{%
2327   \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2328 \newcommand*{\link}[2][ ]{%
2329   \ifthenelse{\equal{#1}{}}{
2330     {\href{#2}{#2}}%
2331     {\href{#2}{#1}}}
2332 \newcommand*{\httplink}[2][ ]{%
2333   \ifthenelse{\equal{#1}{}}{
2334     {\href{http://#2}{#2}}%
2335     {\href{http://#2}{#1}}}
2336 \newcommand*{\emailink}[2][ ]{%
2337   \ifthenelse{\equal{#1}{}}{
2338     {\href{mailto:#2}{#2}}%
2339     {\href{mailto:#2}{#1}}}
2340 \newif\if@displaypagenumbers\@displaypagenumberstrue
2341 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2342 \AtBeginDocument{%
2343   \if@displaypagenumbers%
2344     \ifundefined{r@lastpage}{\fi}

```



```

2345 \ifthenelse{\pageref{lastpage} > 1}{%
2346 \fancypagestyle{plain}{%
2347 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pagenumber\endL}
2348 \pagestyle{plain}}{}}%
2349 \AtEndDocument{\label{lastpage}}%
2350 \fi}
2351 \newlength{\bibindent}
2352 \setlength{\bibindent}{1.5em}
2353 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2354 \newenvironment{thebibliography}[1]%
2355 {%
2356 \section{\refname}%
2357 \small%
2358 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2359 \bidi@thebibliography@font@hook%
2360 \begin{list}{\bibliographyitemlabel}%
2361 {%
2362 \setlength{\topsep}{0pt}%
2363 \setlength{\labelwidth}{\hintscolumnwidth}%
2364 \setlength{\labelsep}{\separatorcolumnwidth}%
2365 \leftmargin\labelwidth%
2366 \advance\leftmargin\labelsep%
2367 \@openbib@code%
2368 \usecounter{enumiv}%
2369 \let\p@enumiv\@empty%
2370 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2371 \sloppy\clubpenalty4000\widowpenalty4000%
2372 }%
2373 {%
2374 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2375 \end{list}%
2376 }
2377 \newcommand\newblock{\hspace{.11em}\@plus.33em\@minus.07em}
2378 \let\@openbib@code\@empty

```

20 File biditools.sty

```

2379 \NeedsTeXFormat{LaTeX2e}
2380 \ProvidesPackage{biditools}[2017/10/11 v1.2 Programming tools for bidi package]
2381 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2382 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2383 \ifx\@tempa\@tempb \global\let#2#1%
2384 \else
2385 \edef\@tempb{\meaning#2}%
2386 \ifx\@tempa\@tempb
2387 \else
2388 \@latex@error{Unable to properly define \string#2; primitive
2389 \noexpand#1no longer primitive}\@eha
2390 \fi
2391 \fi

```



```

2392 \endgroup}
2393 \newtoks\@bidi@envbody
2394 \newtoks\@bidi@emptytoks
2395 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2396 \def\bidi@collect@body#1{%
2397   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2398 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}}%
2399 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2400 \begingroup
2401 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@@body
2402 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2403 \bidi@process@envbody
2404 }
2405 \def\bidi@push@begins#1\begin#2{%
2406   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2407 }
2408 \def\bidi@collect@@body#1\end#2{%
2409   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2410   \ifx\@empty\begin@bidi@stack
2411     \endgroup
2412     \@checkend{#2}%
2413     \bidi@addto@envbody{#1}%
2414   \else
2415     \bidi@addto@envbody{#1\end{#2}}%
2416   \fi
2417   \bidi@process@envbody % A little tricky! Note the grouping
2418 }
2419 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2420 \long\def\bidi@collect@long@body#1{%
2421   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2422 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}}%
2423 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2424 \begingroup
2425 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2426 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2427 \bidi@process@envbody
2428 }
2429 \long\def\bidi@push@long@begins#1\begin#2{%
2430   \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2431 }
2432 \long\def\bidi@collect@long@@body#1\end#2{%
2433   \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2434   \ifx\@empty\begin@bidi@stack
2435     \endgroup
2436     \@checkend{#2}%
2437     \bidi@addto@long@envbody{#1}%
2438   \else
2439     \bidi@addto@long@envbody{#1\end{#2}}%
2440   \fi
2441   \bidi@process@envbody % A little tricky! Note the grouping

```



```

2442 }
2443 \long\def\bidinew@ifnextchar#1#2#3{%
2444   \let\reserved@d= #1%
2445   \def\reserved@a{#2}\def\reserved@b{#3}%
2446   \futurelet\@let@token\bidinew@ifnch
2447 }
2448 \def\bidinew@ifnch{%
2449   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2450   \reserved@b
2451 }
2452 \def\bidimatrix@check#1{%
2453   \expandafter\ifx\csname\@currenvir\endcsname#1%
2454   \else\bidimatrix@error#1%
2455     \expandafter\@gobble
2456   \fi
2457 }
2458 \def\bidimatrix@error#1{%
2459   \PackageError{biditools}{%
2460 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2461   }{%
2462 '\string#1{...}' is old bidi package syntax whose use is
2463 ill-advised in the old versions of bidi package.%
2464   }%
2465 }
2466 \def\@tagsextension{clo}
2467 \def\@definitionfileextension{def}
2468 \def\@texfileextension{tex}
2469 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2470 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2471 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2472 \def\eqnewif#1#2{%
2473   \count@\escapechar \escapechar\m@ne
2474   \let#1\iffalse
2475   \let#2\iffalse
2476   \eq@if#1#2\iftrue
2477   \eq@if#1#2\iffalse
2478   \escapechar\count@}
2479 \def\eq@if#1#2#3{%
2480   \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2481     \expandafter\@gobbletwo\string#3\endcsname
2482     {\let#1#3%
2483     \let#2#3}%
2484   \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2485     \expandafter\@gobbletwo\string#3\endcsname
2486     {\let#2#3%
2487     \let#1#3}}
2488 \newcommand*{\SetBoolean}[2]{%
2489   \lowercase{\def\@tempa{#2}}%
2490   \@ifundefined{\@tempwa\@tempa}%
2491   {\PackageError{biditools}%

```



```

2492     {You can only set a boolean to `true' or `false'}\@ehc}%
2493     {\@ifundefined{#1\@tempa}%
2494     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2495     {\csname#1\@tempa\endcsname}}}%
2496 \newcommand*{\GlobalSetBoolean}[2]{%
2497   \lowercase{\def\@tempa{#2}}%
2498   \@ifundefined{@tempwa\@tempa}%
2499   {\PackageError{biditools}%
2500    {You can only set a boolean to `true' or `false'}\@ehc}%
2501   {\@ifundefined{#1\@tempa}%
2502    {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2503    {\global\csname#1\@tempa\endcsname}}}%
2504 \newcommand*{\SetatBoolean}[2]{%
2505   \lowercase{\def\@tempa{#2}}%
2506   \@ifundefined{@tempwa\@tempa}%
2507   {\PackageError{biditools}%
2508    {You can only set a boolean to `true' or `false'}\@ehc}%
2509   {\@ifundefined{@#1\@tempa}%
2510    {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2511    {\csname @#1\@tempa\endcsname}}}%
2512 \newcommand*{\GlobalSetatBoolean}[2]{%
2513   \lowercase{\def\@tempa{#2}}%
2514   \@ifundefined{@tempwa\@tempa}%
2515   {\PackageError{biditools}%
2516    {You can only set a boolean to `true' or `false'}\@ehc}%
2517   {\@ifundefined{@#1\@tempa}%
2518    {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2519    {\global\csname @#1\@tempa\endcsname}}}%
2520 \def\@bidi@removefromreset#1#2{%
2521   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2522   \def\@elt##1{%
2523     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2524     \else
2525       \noexpand\@elt{##1}%
2526     \fi}%
2527   \expandafter\xdef\csname cl@#2\endcsname{%
2528     \csname cl@#2\endcsname}}}%
2529 \newcommand*{\ifRtoL}{%
2530   \ifRTL
2531     \expandafter\@firstoftwo
2532   \else
2533     \expandafter\@secondoftwo
2534   \fi}%
2535 \newcommand*{\ifLtoR}{%
2536   \ifRTL
2537     \expandafter\@secondoftwo
2538   \else
2539     \expandafter\@firstoftwo
2540   \fi}%
2541 \newcommand*{\ifRtoLtable}{%

```




```

2542 \if@RTLtab
2543   \expandafter\@firstoftwo
2544 \else
2545   \expandafter\@secondoftwo
2546 \fi}
2547 \newcommand*\ifLtoRtable}{%
2548   \if@RTLtab
2549     \expandafter\@secondoftwo
2550 \else
2551   \expandafter\@firstoftwo
2552 \fi}
2553 \newcommand*\ifRtoLhboxconstruct}{%
2554   \if@hboxRconstruct
2555     \expandafter\@firstoftwo
2556 \else
2557   \expandafter\@secondoftwo
2558 \fi}
2559 \newcommand*\ifLtoRhboxconstruct}{%
2560   \if@hboxRconstruct
2561     \expandafter\@secondoftwo
2562 \else
2563   \expandafter\@firstoftwo
2564 \fi}
2565 \newcommand*\iflatin}{%
2566   \if@nonlatin
2567     \expandafter\@secondoftwo
2568 \else
2569   \expandafter\@firstoftwo
2570 \fi}
2571 \newcommand*\ifnonlatin}{%
2572   \if@nonlatin
2573     \expandafter\@firstoftwo
2574 \else
2575   \expandafter\@secondoftwo
2576 \fi}
2577
2578 \newcommand*\@bidi@convert@dimen@t@unit}[2]{%
2579   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2580
2581 \newcommand*\@bidi@convert@dimen@t@pt}[1]{%
2582   \dimexpr #1*65536/\dimexpr 1pt\relax}
2583
2584 \newcommand*\if@bidi@csdef}[1]{%
2585   \ifcsname#1\endcsname
2586     \expandafter\@firstoftwo
2587 \else
2588   \expandafter\@secondoftwo
2589 \fi}
2590 \newcommand*\if@bidi@csundef}[1]{%
2591   \ifcsname#1\endcsname

```



```

2592 \expandafter\ifx\csname#1\endcsname\relax
2593 \expandafter\expandafter
2594 \expandafter\@firstoftwo
2595 \else
2596 \expandafter\expandafter
2597 \expandafter\@secondoftwo
2598 \fi
2599 \else
2600 \expandafter\@firstoftwo
2601 \fi}
2602 \newcommand{\if@bidi@def}[1]{%
2603 \ifdefined#1%
2604 \expandafter\@firstoftwo
2605 \else
2606 \expandafter\@secondoftwo
2607 \fi}
2608 \newcommand{\if@bidi@undef}[1]{%
2609 \ifdefined#1%
2610 \ifx#1\relax
2611 \expandafter\expandafter
2612 \expandafter\@firstoftwo
2613 \else
2614 \expandafter\expandafter
2615 \expandafter\@secondoftwo
2616 \fi
2617 \else
2618 \expandafter\@firstoftwo
2619 \fi}
2620 \newcommand{\if@bidi@blank}[1]{% from url.sty
2621 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2622 \long\def\bidi@ifblank@i#1#2&#3#4#5:#{#4}
2623 \newcommand{\bidi@notblank}[1]{%
2624 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2625 \newcommand{\if@bidi@defmacro}{%
2626 \long\edef\if@bidi@defmacro#1{%
2627 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2628 \noexpand\meaning#1\detokenize{macro}:&}
2629 \edef\bidi@ifdefmacro{%
2630 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2631 \bidi@ifdefmacro{\bidi@notblank{#2}}
2632 \newcommand*\if@bidi@csmacro}[1]{%
2633 \if@bidi@csdef{#1}
2634 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2635 {\@secondoftwo}}
2636 \newcommand{\if@bidi@defprimitive}[1]{%
2637 \ifprimitive#1%
2638 \expandafter\@firstoftwo
2639 \else
2640 \expandafter\@secondoftwo
2641 \fi}

```



```

2642 \newcommand{\if@bidi@csprimitive}[1]{%
2643   \begingroup\expandafter\expandafter\expandafter\endgroup%
2644   \expandafter\ifprimitive\csname#1\endcsname%
2645   \expandafter\@firstoftwo
2646   \else
2647   \expandafter\@secondoftwo
2648   \fi}
2649 \newcommand*{\bidi@csdefcs}[2]{%
2650 \expandafter\@ifdefinable \csname#1\endcsname{%
2651 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2652 \newcommand*{\bidi@csletcs}[2]{%
2653 \expandafter\@ifdefinable \csname#1\endcsname{%
2654 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2655 \newcommand*{\bidi@cslet}[2]{%
2656 \expandafter\@ifdefinable \csname#1\endcsname{%
2657 \expandafter\let\csname#1\endcsname#2}}
2658 \newcommand{\bidi@namelongdef}[1]{%
2659   \long\expandafter\def\csname #1\endcsname}
2660 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2661 \def\bidi@ensure@new@command#1{%
2662   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2663   \expandafter\if@bidi@csundef\@gtempa
2664   {\new@command#1}{\relax%
2665     \let\@ifdefinable\@rc@ifdefinable%
2666     \new@command#1}}
2667 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2668
2669 \protected\def\bidi@error{\PackageError{bidi}}
2670 \protected\def\bidi@warning{\PackageWarning{bidi}}
2671 \protected\def\bidi@info{\PackageInfo{bidi}}
2672
2673
2674 \newcommand*{\setbaselineskip}[1]{%
2675   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}r
2676   \selectfont
2677 }
2678
2679
2680 \newcommand*{\bidi@newrobustcmd}{%
2681 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2682
2683 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2684
2685 \def\bidi@newcommand#1[#2]{%
2686   \@ifnextchar[%]
2687   {\bidi@xargdef#1[#2]}
2688   {\ifx\l@ngrel@x\relax
2689     \let\l@ngrel@x\protected
2690     \else
2691     \protected\def\l@ngrel@x{\protected\long}%

```



```

2692     \fi
2693     \@argdef#1[#2]}}
2694
2695 \long\def\bidixargdef#1[#2][#3]#4{%
2696   \@ifdefinable#1{%
2697     \expandafter\protected
2698     \expandafter\def
2699     \expandafter#1%
2700     \expandafter{%
2701       \expandafter\@testopt
2702       \csname\string#1\endcsname{#3}}}%
2703   \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}{#4}}
2704
2705 \bidinewrobustcmd*{\bidirenewrobustcmd}{\@star@or@long\bidirenew@command}
2706
2707 \def\bidirenew@command#1{%
2708   \if@bidi@undef{#1}
2709     {\bidi@error{\string#1 undefined}\@ehc}
2710     {}%
2711   \let\@ifdefinable\@rc@ifdefinable
2712   \bidinew@command#1}
2713
2714
2715
2716 \bidinewrobustcmd*{\bidiproviderobustcmd}{\@star@or@long\bidiprovide@command}
2717
2718 \def\bidiprovide@command#1{%
2719   \if@bidi@undef{#1}
2720     {\def\reserved@a{\bidinew@command#1}}
2721     {\def\reserved@a{\bidirenew@command\reserved@a}}%
2722   \reserved@a}
2723
2724 \newcommand*{\bidi@csuse}[1]{%
2725   \ifcsname#1\endcsname
2726     \csname#1\expandafter\endcsname
2727     \fi}
2728
2729 \newcommand{\bidi@expandonce}[1]{%
2730   \unexpanded\expandafter{#1}}
2731
2732 \def\bidiprotected{%
2733   \let\@protect\protect
2734   \let\protect\@unexpandable@protect
2735   \afterassignment\restore@protect}
2736
2737 \bidinewrobustcmd{\bidi@appto}[2]{%
2738   \if@bidi@undef{#1}
2739     {\edef#1{\unexpanded{#2}}}
2740     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2741 \bidinewrobustcmd{\bidi@eappto}[2]{%

```



```

2742 \if@bidi@undef{#1}
2743   {\edef#1{#2}}
2744   {\edef#1{\bidi@expandonce#1#2}}
2745 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2746   \if@bidi@undef{#1}
2747     {\xdef#1{\unexpanded{#2}}}
2748     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2749 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2750   \if@bidi@undef{#1}
2751     {\xdef#1{#2}}
2752     {\xdef#1{\bidi@expandonce#1#2}}
2753
2754 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2755 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2756
2757
2758
2759 \bidi@newrobustcmd{\bidi@preto}[2]{%
2760   \if@bidi@undef{#1}
2761     {\edef#1{\unexpanded{#2}}}
2762     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}
2763 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2764   \if@bidi@undef{#1}
2765     {\edef#1{#2}}
2766     {\edef#1{#2\bidi@expandonce#1}}
2767 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2768   \if@bidi@undef{#1}
2769     {\xdef#1{\unexpanded{#2}}}
2770     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}
2771 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2772   \if@bidi@undef{#1}
2773     {\xdef#1{#2}}
2774     {\xdef#1{#2\bidi@expandonce#1}}
2775
2776 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2777 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2778
2779
2780
2781 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2782 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2783 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2784 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2785 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2786 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2787
2788
2789
2790 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2791 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}

```



```

2792 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2793 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2794 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2795 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2796
2797
2798
2799 \bidi@newrobustcmd{if\bidi@patchable}{%
2800   \bidi@dbg@trce\if\bidi@patchable
2801   \begingroup
2802   \@makeother\#%
2803   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2804
2805 \long\def\bidi@ifpatchable#1#2{%
2806   \endgroup
2807   \bidi@dbg@init#1%
2808   \if\bidi@undef{#1}
2809     {\bidi@dbg@fail{def}\@secondoftwo}
2810     {\bidi@dbg@info{def}%
2811      \if\bidi@defmacro{#1}
2812        {\bidi@dbg@info{mac}%
2813         \bidi@ifscanable{#1}
2814         {\bidi@ifhashcheck{#2}
2815          {\bidi@dbg@info{tok}%
2816           \bidi@ifpattern#1{#2}
2817            {\bidi@dbg@info{pat}%
2818             \bidi@dbg@info{pos}\@firstoftwo}
2819             {\bidi@dbg@fail{pat}\@secondoftwo}}
2820            {\bidi@dbg@fail{hsh}\@secondoftwo}}
2821            {\bidi@dbg@fail{tok}\@secondoftwo}}
2822            {\bidi@dbg@fail{mac}\@secondoftwo}}}
2823
2824 \long\def\bidi@ifpatchable@i#1{%
2825   \endgroup
2826   \bidi@dbg@init#1%
2827   \if\bidi@undef{#1}
2828     {\bidi@dbg@fail{def}\@secondoftwo}
2829     {\bidi@dbg@info{def}%
2830      \if\bidi@defmacro{#1}
2831        {\bidi@dbg@info{mac}%
2832         \if\bidi@defparam{#1}
2833          {\bidi@dbg@info{prm}%
2834           \bidi@ifscanable{#1}
2835           {\bidi@dbg@info{tok}%
2836            \bidi@dbg@info{pos}\@firstoftwo}
2837            {\bidi@dbg@fail{tok}\@secondoftwo}}
2838           {\bidi@dbg@info{prl}%
2839            \if\bidi@defprotected{#1}
2840              {\bidi@dbg@info{pro}}
2841              {}%

```



```

2842         \bidi@dbg@info{pos}\@firstoftwo}}
2843     {\bidi@dbg@fail{mac}\@secondoftwo}}
2844
2845 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2846     \bidi@dbg@trce\bidi@patchcmd
2847     \begingroup
2848     \@makeoother\#%
2849     \bidi@@patchcmd}
2850
2851 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2852     \bidi@ifpatchable#2{#3}
2853     {\bidi@dbg@succ{ret}%
2854     \begingroup
2855     \edef\bidi@resrvda{%
2856         \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2857             #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2858         \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2859             ####1\detokenize{#4}####2}%
2860         \edef\noexpand\bidi@resrvda{%
2861             \noexpand\bidi@resrvda\meaning#2&}}%
2862     \bidi@resrvda
2863     \bidi@patchcmd@scantoks\bidi@resrvda
2864     \let#2\bidi@resrvda
2865     \bidi@undef\bidi@resrvda
2866     \@firstoftwo}
2867     {\@secondoftwo}}
2868
2869 \def\bidi@patchcmd@scantoks#1{%
2870     \edef\bidi@resrvda{\endgroup
2871         \unexpanded{\makeatletter\scantokens}{#1}%
2872         \catcode\number`\@=\the\catcode`\@ \relax}%
2873     \bidi@resrvda}
2874
2875 \newcommand\bidi@isloaded[2][]{
2876     \expandafter\ifx\csname if@bidi@#2loaded@ \endcsname \relax
2877     \expandafter\newif\csname if@bidi@#2loaded@ \endcsname
2878     \fi
2879     \@ifpackageloaded{#2}
2880     {\csname @bidi@#2loaded@true \endcsname #1}
2881     {\csname @bidi@#2loaded@false \endcsname }}
2882
2883 \protected\def\bidi@ifscanable#1{%
2884     \begingroup
2885     \edef\bidi@resrvda{%
2886         \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2887             ####1\def\string\bidi@resrvda####2{####3}}%
2888         \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
2889     \bidi@resrvda
2890     \makeatletter
2891     \scantokens\expandafter{\bidi@resrvda}%

```



```

2892 \expandafter\endgroup\ifx#1\bidiresrvda
2893 \expandafter\@firstoftwo
2894 \else
2895 \expandafter\@secondoftwo
2896 \fi}
2897
2898
2899 \protected\long\def\bidifhashcheck#1{%
2900 \begingroup
2901 \edef\bidiresrvda{\detokenize{#1}}%
2902 \expandafter\endgroup
2903 \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
2904
2905 \edef\bidifhashcheck@i#1{%
2906 \noexpand\expandafter
2907 \noexpand\bidifhashcheck@ii
2908 \noexpand\strip@prefix#1\string#\string#&}
2909
2910 \edef\bidifhashcheck@ii{%
2911 \def\noexpand\bidifhashcheck@ii##1\string#\string##2&}
2912 \bidifhashcheck@ii{\if@bidi@blank{#2}}
2913
2914
2915 \protected\long\def\bidifpattern#1#2{%
2916 \begingroup
2917 \edef\bidiresrvda{%
2918 \def\noexpand\bidiresrvda####1\detokenize{#2}####2&{%
2919 \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}%
2920 \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda
2921 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
2922 \noexpand\bidiresrvda}
2923 \bidiresrvda\@secondoftwo\@firstoftwo}
2924
2925
2926 \newcommand{\if@bidi@defparam}{%
2927 \long\edef\if@bidi@defparam#1{%
2928 \noexpand\expandafter\noexpand\bidifdefparam
2929 \noexpand\meaning#1\detokenize{macro}:->&}
2930 \edef\bidifdefparam{%
2931 \def\noexpand\bidifdefparam##1\detokenize{macro}:##2->##3&}
2932 \bidifdefparam{\bidinotblank{#2}}
2933
2934
2935 \newcommand{\if@bidi@defprotected}{%
2936 \long\edef\if@bidi@defprotected#1{%
2937 \noexpand\expandafter\noexpand\bidifdefprotected
2938 \noexpand\meaning#1\string\protected&}
2939 \edef\bidifdefprotected{%
2940 \def\noexpand\bidifdefprotected##1\string\protected##2&}
2941 \bidifdefprotected{\bidinotblank{#2}}

```




```

2942
2943
2944 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
2945
2946 \let\bidi@dbg@trce\@gobble
2947 \let\bidi@dbg@init\@gobble
2948 \let\bidi@dbg@info\@gobble
2949 \let\bidi@dbg@succ\@gobble
2950 \let\bidi@dbg@fail\@gobble
2951
2952
2953
2954 \bidi@newrobustcmd*{\bidi@apptocmd}{%
2955   \bidi@dbg@trce\bidi@apptocmd
2956   \begingroup
2957   \@makeother\#%
2958   \bidi@hooktocmd\bidi@append}
2959
2960
2961
2962 \bidi@newrobustcmd*{\bidi@pretocmd}{%
2963   \bidi@dbg@trce\bidi@pretocmd
2964   \begingroup
2965   \@makeother\#%
2966   \bidi@hooktocmd\bidi@prepend}
2967
2968 \long\def\bidi@hooktocmd#1#2#3{%
2969   \endgroup
2970   \bidi@dbg@init#2%
2971   \if\bidi@undef{#2}
2972     {\bidi@dbg@fail{def}\@secondoftwo}
2973     {\bidi@dbg@info{def}%
2974       \if\bidi@defmacro{#2}
2975         {\bidi@dbg@info{mac}%
2976           \if\bidi@defparam{#2}
2977             {\bidi@dbg@info{prm}%
2978               \bidi@ifscanable{#2}
2979                 {\bidi@ifhashcheck{#3}
2980                   {\bidi@dbg@info{tok}%
2981                     \bidi@dbg@succ{ret}%
2982                     \bidi@hooktocmd@i#1#2{#3}%
2983                     \@firstoftwo}
2984                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
2985                 {\bidi@dbg@fail{tok}\@secondoftwo}}
2986             {\bidi@dbg@info{prl}%
2987               \if\bidi@defprotected{#2}
2988                 {\bidi@dbg@info{pro}%
2989                   \bidi@dbg@succ{red}%
2990                   \protected}
2991                 {\bidi@dbg@succ{red}}}%

```



```

2992         \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
2993         \@firstoftwo}}
2994     {\bidi@dbg@fail{mac}\@secondoftwo}}
2995
2996 \long\def\bidi@hooktocmd@i#1#2#3{%
2997     \begingroup
2998     \edef\bidi@resrvda{%
2999         \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3000             ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
3001         \edef\noexpand\bidi@resrvda{%
3002             \noexpand\bidi@resrvda\meaning#2&}}}%
3003     \bidi@resrvda
3004     \bidi@patchcmd@scantoks\bidi@resrvda
3005     \let#2\bidi@resrvda
3006     \bidi@undef\bidi@resrvda}
3007
3008 \long\def\bidi@append#1#2{#1#2}
3009 \long\def\bidi@prepend#1#2{#2#1}
3010
3011 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3012 \newcommand*{\bidi@endpreamblehook}{}
3013
3014 \bidi@preto\document{%
3015     \endgroup
3016     \let\bidi@AtEndPreamble\@firstofone
3017     \bidi@endpreamblehook
3018     \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3019     \bidi@undef\bidi@endpreamblehook
3020     \begingroup}
3021
3022 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3023 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3024
3025 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3026 \newcommand*{\bidi@afterendpreamblehook}{}
3027
3028 \bidi@appto\document{%
3029     \let\bidi@AfterEndPreamble\@firstofone
3030     \bidi@afterendpreamblehook
3031     \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3032     \bidi@undef\bidi@afterendpreamblehook
3033     \ignorespaces}
3034
3035 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3036
3037 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3038 \newcommand*{\bidi@afterenddocumenthook}{}
3039
3040 \bidi@patchcmd\enddocument
3041     {\deadcycles}

```



```

3042 {\let\bid@AfterEndDocument\@firstofone
3043 \bid@afterenddocumenthook
3044 \deadcycles}
3045 {}
3046 {\let\bid@@end\@end
3047 \def\@end{%
3048 \let\bid@AfterEndDocument\@firstofone
3049 \bid@afterenddocumenthook
3050 \bid@@end}}
3051
3052 \bid@newrobustcmd{\bid@AtBeginEnvironment}[1]{%
3053 \bid@csgappto{\bid@begin@#1@hook}}
3054
3055 \bid@patchcmd\begin
3056 {\csname #1\endcsname}
3057 {\bid@csuse{\bid@begin@#1@hook}%
3058 \csname #1\endcsname}
3059 {}
3060 {\bid@warning{%
3061 Patching '\string\begin' failed!\MessageBreak
3062 '\string\bid@AtBeginEnvironment' will not work\@gobble}}
3063
3064
3065
3066 \bid@newrobustcmd{\bid@AtEndEnvironment}[1]{%
3067 \bid@csgappto{\bid@end@#1@hook}}
3068
3069 \bid@patchcmd\end
3070 {\csname end#1\endcsname}
3071 {\bid@csuse{\bid@end@#1@hook}%
3072 \csname end#1\endcsname}
3073 {}
3074 {\bid@warning{%
3075 Patching '\string\end' failed!\MessageBreak
3076 '\string\bid@AtEndEnvironment' will not work\@gobble}}
3077
3078
3079
3080 \bid@newrobustcmd{\bid@BeforeBeginEnvironment}[1]{%
3081 \bid@csgappto{\bid@beforebegin@#1@hook}}
3082
3083 \bid@pretocmd\begin
3084 {\bid@csuse{\bid@beforebegin@#1@hook}}
3085 {}
3086 {\bid@warning{%
3087 Patching '\string\begin' failed!\MessageBreak
3088 '\string\bid@BeforeBeginEnvironment' will not work\@gobble}}
3089
3090
3091

```



```

3092 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3093   \bidi@csgappto{@bidi@afterend@#1@hook}}
3094
3095 \bidi@patchcmd\end
3096   {\if@ignore}
3097   {\bidi@csuse{@bidi@afterend@#1@hook}%
3098    \if@ignore}
3099   {}
3100   {\bidi@warning{%
3101     Patching '\string\end' failed!\MessageBreak
3102     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3103
3104 \chardef\bidi@backslash`\\
3105 \def\bidi@#1{\texttt{\char\bidi@backslash#1}}
3106
3107 % anonymous control sequences
3108 \newcount\bidi@tempcountb
3109 \newtoks\bidi@temptoksa
3110 \newtoks\bidi@temptoksb
3111
3112 % Catcode (re)storing
3113 %
3114 \def\bidi@storecatcode#1%
3115   {\escapechar\m@ne
3116    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3117    {\catcode`\string#1=
3118     \the\catcode\expandafter`\string#1}%
3119    \catcode\expandafter`\string#1=12\relax
3120    \escapechar`\\relax}
3121 \def\bidi@restorecatcode#1%
3122   {\escapechar\m@ne
3123    \csname bidi@restorecatcode\string#1\endcsname
3124    \escapechar`\\relax}
3125
3126 % Construct a control sequence inside \edef
3127 %
3128 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3129
3130 % Construct a control sequence out of #2, and give it to #1
3131 %
3132 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3133
3134 % Pick an escapecharacter
3135 % this presumes that its argument is a character.
3136 %
3137 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3138
3139 % Equality of strings.
3140 % the fast approach: does not work in expansion-only environment.
3141 %

```



```

3142 \def\bidiequalstring#1#2{00\fi\def\bidieqs@a{#1}\def\bidieqs@b{#2}%
3143 \ifx\bidieqs@a\bidieqs@b}
3144
3145 % Test by expansion only
3146 %
3147 \def\bidiequalstringX#1#2{00\fi
3148 \csname if\@bidiequalstringX#1$#2&$\endcsname}
3149 \def\@bidiequalstringX#1#2$#3#4${\ifx#1#3%
3150 \ifx#1&true\else\bidihop@ES\@bidiequalstringX#2$#4$\fi
3151 \else false\fi}
3152 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
3153
3154 % Lexicographic ordering
3155 % note the use of \def
3156 % also note the characters 0,127,255 that are used,
3157 % these are not supposed to appear in the strings
3158 %
3159 {\catcode0=12 \catcode255=12 \catcode127=12
3160 \gdef\bidistringbeforeNC#1#2{00\fi
3161 \bidicharsbefore#1^^@^^?#2^^ff^^?}
3162 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
3163 \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
3164 \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
3165 \else\ifnum\lccode`#1<\lccode`#3
3166 \def\bidinext{\csname iftrue\endcsname}%
3167 \else\ifnum\lccode`#1>\lccode`#3
3168 \def\bidinext{\csname iffalse\endcsname}%
3169 \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3170 \fi \fi \fi \fi
3171 \bidinext}
3172 \gdef\bidistringbefore#1#2{00\fi
3173 \bidicharsbefore#1^^@^^?#2^^ff^^?}
3174 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
3175 \ifnum`#1<`#3
3176 \def\bidinext{\csname iftrue\endcsname}%
3177 \else\ifnum`#1>`#3
3178 \def\bidinext{\csname iffalse\endcsname}%
3179 \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3180 \fi\fi
3181 \bidinext}
3182 }
3183
3184 % Null argument test
3185 %
3186 \def\bidieempty{}
3187 \def\bidieifempty#1{00\fi\expandafter\ifx\csname bidi@#1>null\endcsname\bidie@null}
3188 \def\bidieifemptyX#1{\expandafter\ifx\csname bidi@#1>null\endcsname\bidie@null}
3189 %\def\bidieifempty#1{\def\bidiecs@a{#1}\ifx\bidiecs@a\bidieempty}
3190 \def\bidieisemptylist#1{00\fi\def\bidiecs@a{#1}\ifx\cs@a\bidieempty}
3191

```



```

3192% Next character test
3193%
3194\def\bid@NextChar#1#2#3{00\fi
3195    \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3196    \futurelet\bid@nxt@c\@bid@ifnxtc}
3197\def\bid@ifNextChar#1#2#3{%
3198    \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3199    \futurelet\bid@nxt@c\@bid@ifnxtc}
3200\def\@bid@ifnxtc{\ifx\bid@nxt@ch\bid@nxt@c \expandafter\bid@nxt@a
3201    \else \expandafter\bid@nxt@b \fi}
3202
3203% Test for defined-ness of string as control sequence.
3204% works inside \edef
3205%
3206\def\bid@undefinedcs#1{00\fi\bid@csarg\ifx{#1}\relax}
3207
3208% Define uniquely defined dummy macros,
3209% usually to serve as bumper blocks at the end of a list
3210%
3211\newcount\bid@dummies
3212\def\DefNewDummy#1{
3213    \if\bid@undefinedcs{#1}\bid@csarg\edef{#1}{\bid@dum\the\bid@dummies}
3214    \advance\bid@dummies\@ne
3215    \else
3216        \bid@error{Attempt at second definition of `#1'}
3217    \fi}
3218
3219% string case statement
3220% use: \bid@switch \iftest{...} in:
3221%     item1 action1
3222%     ...
3223%     itemn actionn
3224%     default defaultaction [optional]
3225%     \endbid@switch
3226% inspired by Jonathan Fine: Some Basic Control Macros
3227% Tugboat 12 #4
3228%
3229\let\@bid@fi\fi \let\endbid@switch\relax \DefNewDummy{\bid@default}
3230\def\bid@switch@exit #1 \@bid@fi #2 \endbid@switch {\fi #1}
3231\def\bid@switch #1#2#3{\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3232    #1{#2}\bid@switch@exit #3 \@bid@fi
3233    \bid@switch {#1}
3234}
3235% this version puts the test object in {}
3236\def\bid@oswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3237    #1{#2}\bid@switch@exit #3 \@bid@fi
3238    \bid@switch #1 in:
3239}
3240% this version assumes that the test object is just one character
3241\def\bid@cswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi

```



```

3242 #1#2\@bidi@switch@exit #3 \@bidi@fi
3243 \bidi@cswitch #1 in:
3244 }
3245 % this version assumes that the test object can have an optional space
3246 \def\bidi@bswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3247 #1#2 \bidi@switch@exit #3 \@bidi@fi
3248 \bidi@bswitch #1 in:
3249 }
3250 % this version can cope with significant spaces at the start of #3;
3251 % #2 is macro argument
3252 \def\bidi@mswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3253 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3254 \bidi@mswitch #1 in:
3255 }
3256 % idem; #2 does not have to be enclosed in braces
3257 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3258 #1#2 \bidi@switch@exit #3 \@bidi@fi
3259 \bidi@fswitch #1 in:
3260 }
3261
3262 % Routines for taking the value of a string:
3263 % if the string is defined as control sequence
3264 % take the value of that, otherwise take the string itself
3265
3266 % String or value of control sequence
3267 %
3268 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3269
3270 % String or control sequence
3271 %
3272 \def\bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3273
3274 % String or \noexpand-ed control sequence;
3275 % for use in \edef
3276 %
3277 \newif\ifbidi@in@label
3278 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
3279 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3280 \newtoks\bidi@are@these@correct
3281 \def\bidi@t@w@w#1{%
3282 \if\bidi@undefinedcs{#1}#1%
3283 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 }\fi
3284 \else
3285 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3286
3287 % List Manipulation .....
3288 % this assumes that #1 is a list of tokens, #2 is the name of a list
3289 %
3290 % Names of lists (and of items to pop into) are given as strings;
3291 % not as control sequences.

```



```

3292 %
3293 \newtoks\biditoks@lista \newtoks\biditoks@listb
3294 % basic append/prepend macro
3295 \long\def\@bidi@append@to@cslist#1#2#3{\begingroup\biditoks@lista=#2{#3}%
3296   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\biditoks@lista}
3297 \long\def\@bidi@prepend@to@cslist#1#2#3{\begingroup\biditoks@lista=#2{#3}%
3298   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\biditoks@lista}
3299 \def\@bidi@append@to@list{\@bidi@csarg\@bidi@append@to@cslist}
3300 % variations:
3301 \long\def\@bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
3302 \def\@bidi@append@list@to@list#1#2{%
3303   \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}
3304 \def\@bidi@append@cslist@to@cslist#1#2{%
3305   \@bidi@append@to@cslist{#1}\expandafter{\the#2}}
3306 \def\@bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
3307
3308 \let\@bidi@willbeunhskip\unhskip
3309
3310 % A few list macros for the user
3311 \def\NewList:#1 {\@bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3312 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3313 \long\def\AppendToList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
3314 \def\TheList:#1 {\let\@bidi@oldwbuskip\@bidi@willbeunhskip \let\@bidi@willbeunhskip\@empty
3315   \if\@bidi@undefinedcs{#1}\@bidi@error{List <#1> undefined}
3316   \else\@bidi@csarg\the{#1}\fi
3317   \let\@bidi@willbeunhskip\@bidi@oldwbuskip}
3318
3319 \def\@bidi@del@tok@from@list#1#2{\begingroup
3320   \long\def\@bidi@cs@liste##1#2##2\@bidi@tok@SM
3321     {\@bidi@toks@lista{##1}\@bidi@toks@listb{##2}%
3322     \edef\@bidi@cs@listb{\global\@bidi@csname{#1}=
3323       {\the\@bidi@toks@lista\the\@bidi@toks@listb}}%
3324     \@bidi@cs@listb}%
3325   \edef\@bidi@cs@lista{\noexpand\@bidi@cs@liste{\expandafter\the\csname#1\endcsname\noexpand\the\@bidi@toks@lista}}
3326   \@bidi@cs@lista \endgroup}
3327 \def\@bidi@in@front@of@list#1{\@bidi@csarg{\let\expandafter\@bidi@cs@lista}{#1}%
3328   \@bidi@in@front@of@cslist\@bidi@cs@lista}
3329 \long\def\@bidi@in@front@of@cslist#1#2{\begingroup\biditoks@lista=#2{#3}%
3330   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\biditoks@lista}
3331   \endgroup}
3332 \long\def\@bidi@local@in@front@of@list#1#2{\biditoks@lista={#2}%
3333   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3334     {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3335       \expandafter\the\csname#1\endcsname}%
3336   }
3337 \def\@bidi@set@list#1{\@bidi@csarg{\let\expandafter\@bidi@cs@lista}{#1}%
3338   \@bidi@set@cslist\@bidi@cs@lista}
3339 \long\def\@bidi@set@cslist#1#2{\begingroup\biditoks@lista=#2{#3}%
3340   \global#1=\expandafter{\the\biditoks@lista}\endgroup}
3341

```




```

3342 %%%%%%%%%%%%%%% Stack macros
3343 %
3344 % push in terms of prepending of lists
3345 \def\bidipush@cs@onto@cs#1#2{\@bidiprepend@to@cslst#1\expandafter{\expandafter\\expandafter
3346 \def\bidipush@onto#1{\@bidicsarg\bidipush@onto@cs{#1}}
3347 \def\bidipush@onto@cs#1#2{\@bidiprepend@to@cslst#1}{\{#2}}
3348 \def\bidilocal@push@onto#1#2{\let\=\relax
3349 \bidilocal@in@front@of@list{#1}{\{#2}}
3350 % pop via auxiliary macro: #1 is result, #2 is stack
3351 % two cs arguments
3352 \def\bidipop@cs@into#1#2{\edef\bidics@e
3353 {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
3354 % two string arguments
3355 \def\bidipop@into#1#2{\edef\bidics@e
3356 {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidipop}
3357 \long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
3358 \def\bidicopy@stacktop#1#2{%
3359 \edef\bidics@e{\noexpand\@bidicopy@stacktop
3360 {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
3361 \bidics@e}
3362 \def\@bidicopy@stacktop#1\#2#3\@bidipop{\csname#1\endcsname#2\relax}
3363 \newcount\bidistack@length \newtoks\bidie@empty@stack \bidie@empty@stack{\{\}}
3364 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
3365 \def\bidilength@of@csstack#1{\def\##1{\advance\bidistack@length\@ne}%
3366 \bidistack@length\m@ne \the#1}
3367 % turn a stack upside down
3368 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
3369 \biditempcountb\z@ \biditemptoksa\bidie@empty@stack
3370 \loop\ifnum\biditempcountb<\bidistack@length
3371 \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\m@ne
3372 \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
3373 % \bidie@append@cslst@to@cslst\biditemptoksb\biditemptoksa% append a to b
3374 % \biditemptoksa\biditemptoksb
3375 \repeat% copy b to a
3376 #1\biditemptoksa \biditemptoksa\bidie@empty@toks}
3377 % invert a stack into a list
3378 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
3379 \biditempcountb\z@ \biditemptoksa\bidie@empty@toks
3380 \loop\ifnum\biditempcountb<\bidistack@length
3381 \bidipop@into{\biditemptoksb}{#1}\advance\bidistack@length\m@ne
3382 \bidie@append@list@to@list{\biditemptoksb}{\biditemptoksa}\repeat
3383 \csname#1\endcsname\biditemptoksa \biditemptoksa\bidie@empty@toks}
3384
3385
3386 % General loop macro:
3387 % \looprepeat
3388 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3389 % \untilcondition{<cond>} \whilecondition{<cond>}
3390 % \doloopbody { <loop body> }
3391 % where all control sequences in between \looprepeat and \doloopbody are optional.

```



```

3392%
3393% var: characters to form a control sequence;
3394%   after \forvariable{index} you can access the loop counter as \index.
3395%   This is a count register; to print it use \number\index.
3396% start,step,end: integers with obvious relations to the loop counter;
3397%   start and step have a default value of 1
3398% cond: (sequence of commands ending in) any TeX \if... test.
3399%
3400% Count down instead of up with \downtovalue; the increment given in \bystep
3401% is always positive, and is added or subtracted accordingly.
3402%
3403% Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3404% at the beginning of the loop body.
3405%
3406% Exit from middle of loop: \breaklooprepeat
3407% use this at any place in the loop; in case of a conditional use
3408%   \ifsomething ... \expandafter \breaklooprepeat \fi
3409%
3410% Note that the line ends do not cause spaces in the output.
3411%
3412% Technical details:
3413% The loop body is not executed in a group: the braces are those
3414% of a token list.
3415% The 'forvariable' variable is \let to a \count register.
3416%
3417%
3418%
3419% Auxiliary stuff
3420\def\bidil@ooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3421\def\bidil@ooprepeat@csromannumeral#1{\csname #1\romannumeral\bidil@ooprepeat@depth\endcsname}
3422\def\bidil@ooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidil@ooprepeat@depth\endcsname}
3423
3424\newcount\bidil@ooprepeat@depth
3425\let\endlooprepeat\relax \def\bidil@csprotect{}
3426% Trace switches may later be defined by PAC_utils
3427\let\bidil@ooprepeat@traceinit\relax \let\bidil@ooprepeat@traceexit\relax
3428
3429% Main repeatloop macro
3430% - go to next level and allocate unique counter/toks if this is the
3431%   first time we visit this level
3432% - setup: gather bounds and termination conditions
3433% - scoop up body in token list; after the assignment define and
3434%   execute body
3435\def\looprepeat#1\doloopbody{\bidil@ooprepeat@traceinit % exit in \breakrepeatloop
3436  \advance\bidil@ooprepeat@depth\@ne\relax
3437  \bidil@ooprepeat@csargromannumeral\ifx{\bidil@ooprepeat@count}\relax
3438    \bidil@ooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidil@ooprepeat@depth}
3439    \bidil@ooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidil@ooprepeat@count}
3440    \bidil@ooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidil@ooprepeat@count}
3441    \bidil@ooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidil@ooprepeat@count}

```



```

3442 \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{}\def\bidi@looprepeat@comp{>}\bidi@loopre
3443 \edef\bidi@looprepeat@tmp
3444     {\def\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}{\bidi@loopre
3445 \afterassignment\bidi@looprepeat@dxbody\bidi@looprepeat@csromannumeral\bidi@looprepeat@toks}
3446
3447 % Define and execute loop body
3448 % This is done with an \edef to construct the actual sequence
3449 \def\bidi@looprepeat@dxbody{\bidi@looprepeat@csargromannumeral\edef\bidi@looprepeat@body}{%
3450     \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
3451     \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@toks}%
3452     \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@utest}%
3453     \global\bidi@looprepeat@csargromannumeral\advance\bidi@looprepeat@count by \bidi@looprepe
3454     \noexpand\endlooprepeat
3455     \bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}}%
3456 \bidi@looprepeat@csromannumeral\bidi@looprepeat@body\ignorespaces}
3457
3458 % Stop test
3459 %% In order to stop, issue a
3460 % \breaklooprepeat which scoops up the rest of the body and exits
3461 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral\
3462 \advance\bidi@looprepeat@depth\mOne \bidi@looprepeat@traceexit
3463 }
3464
3465
3466 % Setup
3467 % gather bounds and termination conditions
3468 \def\bidi@looprepeat@setup#1{%
3469     \begingroup
3470     \def\forvariable##1{%
3471         \edef\bidi@looprepeat@tmp{%
3472             \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral\bidi@l
3473             \bidi@looprepeat@tmp}%
3474         \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global\bidi@looprepeat@count}##1\ign
3475         \def\tovalue##1{%
3476             \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loopre
3477             {\bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
3478             \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@count\bidi
3479             \noexpand\expandafter \noexpand\breaklooprepeat
3480             \noexpand\fi}\ignorespaces}%
3481             \bidi@looprepeat@tmp}%
3482         \def\downtovalue##1{%
3483             \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3484         \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}\
3485             \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc}{-##1}\else
3486             \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc}{##1}\fi\ignorespac
3487         \def\untilcondition##1{%
3488             \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loopre
3489             {\noexpand##1\relax
3490             \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3491             \bidi@looprepeat@tmp}%

```



```

3492 \def\whilecondition##1{%
3493 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand\bidiloopre
3494 {\noexpand##1\relax \noexpand\else
3495 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3496 \bidilooprepeat@tmp}%
3497 \fromvalue{\@ne}\bystep{\@ne}#1%
3498 \endgroup}
3499 \def\bidilooprepeat@zero
3500 {\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}{}}\bidilooprepeat@csromannumeral{\bi
3501 \bidilooprepeat@csargromannumeral\def{\bidilooprepeat@body}{}}
3502
3503 %\tracingmacros2
3504 %\newcount\tmpcount % used in some examples below
3505
3506 %\looprepeat \forvariable{i}
3507 % \bystep{2}
3508 % \doloopbody {%
3509 % \ifnum i=13 \expandafter\breaklooprepeat \fi
3510 % \number{i} } %
3511 %}%
3512
3513 %\looprepeat \forvariable{iii}
3514 % \tovalue{8}
3515 % \doloopbody {}
3516 %After loop: \number{iii}%
3517
3518 %\looprepeat \forvariable{i}
3519 % \fromvalue{10}
3520 % \bystep{2}
3521 % \downtovalue{0}
3522 % \doloopbody {\number{i} }
3523
3524 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
3525 % \doloopbody {\number{x} }
3526
3527 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
3528
3529 %\looprepeat \forvariable{j}
3530 % \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3531 % \doloopbody {\number{j} }
3532
3533 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3534 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3535 % \doloopbody {(\number{i}.\number{j}) }
3536 % }
3537
3538 % infinite loop
3539 %\looprepeat \doloopbody {}
3540
3541 \CheckCommand{\InputIfFileExists}[2]{%

```



```

3542 \IfFileExists{#1}%
3543   {#2\@addtofilelist{#1}\@input \@filef@und}}
3544
3545 \renewcommand{\InputIfFileExists}[2]{%
3546   \begingroup\expandafter\expandafter\expandafter\endgroup
3547   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3548     \expandafter\@secondoftwo
3549   \else
3550     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3551     \expandafter\@firstoftwo
3552   \fi
3553   {%
3554     \expandafter\InputIfFileExists\expandafter{\csname
3555       #1-@bidi@alias\endcsname}{#2}%
3556   }%
3557   {\IfFileExists{#1}{%
3558     \bidi@load@hook{before}{#1}%
3559     #2\@addtofilelist{#1}%
3560     \@input \@filef@und
3561     \bidi@load@hook{after}{#1}%
3562   }}%
3563 }
3564
3565 \newcommand*{\bidi@@loadwithoptions}{%
3566 \newcommand*{\bidi@loadwithoptions}{%
3567 \let\bidi@loadwithoptions\@loadwithoptions
3568
3569 \renewcommand*{\@loadwithoptions}[3]{%
3570   \begingroup\expandafter\expandafter\expandafter\endgroup
3571   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3572     \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3573   \else
3574     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3575     \def\bidi@@loadwithoptions{%
3576       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3577     }%
3578   \fi
3579   \bidi@@loadwithoptions
3580 }
3581
3582 \newcommand*{\bidi@onefilewithoptions}{%
3583 \let\bidi@onefilewithoptions\@onefilewithoptions
3584 \def\bidi@onefilewithoptions#1[#2][#3]#4{%
3585   \begingroup\expandafter\expandafter\expandafter\endgroup
3586   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3587     \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3588   \else
3589     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3590     \edef\bidi@@onefilewithoptions{%
3591       \noexpand\bidi@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%

```



```

3592 \fi
3593 \bidi@onefilewithoptions[{#2}][#{3}]{#4}%
3594 \bidi@load@hook{lateafter}{#1.#4}%
3595 }
3596
3597 \newcommand*{\bidi@ReplaceInput}[2]{%
3598 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3599 }
3600
3601 \newcommand*{\bidi@UnReplaceInput}[1]{%
3602 \ifcsname #1-@bidi@alias\endcsname
3603 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3604 \fi
3605 }
3606
3607 \newcommand*{\@bidi@replacefilewithtext}[3]{%
3608 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3609 }
3610 \newcommand*{\bidi@ReplacePackage}[2]{%
3611 \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
3612 }
3613 \newcommand*{\bidi@ReplaceClass}[2]{%
3614 \@bidi@replacefilewithtext{#1}{#2}\@clsextension
3615 }
3616 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
3617 \ifcsname #1.#2-@bidi@aliasname\endcsname
3618 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3619 \fi
3620 }
3621 \newcommand*{\bidi@UnReplacePackage}[1]{%
3622 \@bidi@unreplacefilewithtext{#1}\@pkgextension
3623 }
3624 \newcommand*{\bidi@UnReplaceClass}[1]{%
3625 \@bidi@unreplacefilewithtext{#1}\@clsextension
3626 }
3627 \newcommand*{\bidi@replacefile@msg}[2]{%
3628 \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3629 }
3630
3631 \newcommand*{\bidi@load@hook}[2]{%
3632 \@ifundefined{#2-@#1}{}%
3633 \@nameuse{#2-@#1}%
3634 \expandafter\let\csname #2-@#1\endcsname=\relax}}
3635 \newcommand*{\bidi@set@load@hook}[2]{%
3636 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
3637 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3638 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3639 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3640 \newcommand*{\bidi@BeforeClass}[1]{%
3641 \bidi@set@load@hook{before}{#1.\@clsextension}}

```



```

3642 \newcommand*{\bidi@AfterClass}{%
3643   \ifstar {\@s@bidi@AfterClass}{%
3644     \@ifnextchar +\@@bidi@AfterClass{%
3645       \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3646     }%
3647   }%
3648 }
3649
3650 \newcommand*{\@@@bidi@AfterClass}[2]{%
3651   \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3652     \aftergroup\@s@bidi@AfterClass
3653   \else
3654     \aftergroup\bidi@AfterAtEndOfClass
3655   \fi
3656   \endgroup{#2}%
3657 }
3658
3659 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3660   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3661 \newcommand*{\@@bidi@AfterClass}[2]{%
3662   \begingroup
3663     \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3664       \aftergroup\@s@bidi@AfterClass
3665     \else
3666       \aftergroup\bidi@AfterClass
3667     \fi
3668   \endgroup{#2}%
3669 }
3670
3671 \newcommand*{\@bidi@AfterClass}[1]{%
3672   \bidi@set@load@hook{after}{#1.\@clsextension}}
3673 \newcommand*{\@s@bidi@AfterClass}[1]{%
3674   \begingroup
3675     \ifclassloaded{#1}{%
3676       \aftergroup\@secondoftwo
3677     }{%
3678       \aftergroup\bidi@AfterClass
3679     }%
3680   \endgroup
3681   {#1}%
3682 }
3683
3684
3685 \newcommand*{\bidi@BeforePackage}[1]{%
3686   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3687 \newcommand*{\bidi@AfterPackage}{%
3688   \ifstar {\@s@bidi@AfterPackage}{%
3689     \@ifnextchar +\@@bidi@AfterPackage{%
3690       \@ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
3691     }%

```



```

3692 }%
3693 }
3694 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3695   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3696     \aftergroup\@s@bidi@AfterPackage
3697   \else
3698     \aftergroup\bidi@AfterAtEndOfPackage
3699   \fi
3700   \endgroup{#2}%
3701 }
3702 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
3703   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3704 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3705   \begingroup
3706     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3707       \aftergroup\@s@bidi@AfterPackage
3708     \else
3709       \aftergroup\@bidi@AfterPackage
3710     \fi
3711   \endgroup{#2}%
3712 }
3713 \newcommand*{\@bidi@AfterPackage}[1]{%
3714   \bidi@set@load@hook{after}{#1.\@pkgextension}}
3715 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3716   \begingroup
3717     \@ifpackageloaded{#1}{%
3718       \aftergroup\@secondoftwo
3719     }{%
3720       \aftergroup\@bidi@AfterPackage
3721     }%
3722   \endgroup
3723   {#1}%
3724 }
3725
3726 \newcommand*{\bidi@excludedpackages}{%
3727   \let\bidi@excludedpackages\@empty
3728   \newcommand*{\bidi@s@ved@RequirePackage}{%
3729     \newcommand*{\bidi@PreventPackageFromLoading}{%
3730       \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}{%
3731         {\@bidi@PreventPackageFromLoading\PackageWarning}}%
3732     }%
3733     \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3734       \@ifnextchar [%]
3735       {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
3736     }%
3737     \newcommand*{\@bidi@PreventPackageFromLoading}{%
3738       \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3739         \def\reserved@b{\zap@space#3 \@empty}%
3740         \ifx \reserved@b\@empty

```




```

3742 #1{biditools}{%
3743   \string\bidid@PreventPackageFromLoading\space with empty packages\MessageBreak
3744   argument ignored%
3745 }%
3746 \else
3747   \ifx\bidid@excludedpackages\@empty
3748     \let\bidid@saved@RequirePackage\RequirePackage
3749     \let\RequirePackage\bidid@RequirePackage
3750     \def\reserved@a##1##{%
3751       \@latex@error
3752       {\noexpand \usepackage before \string\documentclass}%
3753       {\noexpand \usepackage may only appear in the document
3754        preamble, i.e.,\MessageBreak
3755        between \noexpand\documentclass and
3756        \string\begin{document}.}%
3757       \@gobble}%
3758     \ifx\reserved@a\usepackage\else
3759       \ifx\usepackage\bidid@saved@RequirePackage\else
3760         \PackageWarning{biditools}{%
3761           Maybe serious problem: unexpected definition of\MessageBreak
3762           \string\usepackage
3763         }%
3764       \fi
3765       \let\usepackage\RequirePackage
3766     \fi
3767   \fi
3768   \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3769   \reserved@b\do {%
3770     \ifx\reserved@a\@empty
3771       #1{biditools}{%
3772         empty package argument for
3773         \string\bidid@PreventPackageFromLoading\MessageBreak
3774         ignored%
3775       }%
3776     \else
3777       \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3778         #1{biditools}{%
3779           package '\reserved@a' already loaded.\MessageBreak
3780           Cannot prevent it from being loaded%
3781         }%
3782       }{%
3783         \edef\bidid@excludedpackages{\bidid@excludedpackages,%
3784           \reserved@a}%
3785         \if\relax\detokenize{#2}\relax\else
3786           \@ifundefined{bidid@exclude@package@\reserved@a @do}{%
3787             \@namedef{bidid@exclude@package@\reserved@a @do}{}%
3788           }{%
3789             \expandafter\def
3790             \csname bidid@exclude@package@\reserved@a
3791             @do\expandafter\expandafter\expandafter\endcsname

```



```

3792         \expandafter\expandafter\expandafter{%
3793             \csname bidi@exclude@package@\reserved@a @do\endcsname
3794             #2%
3795         }%
3796     \fi
3797 }%
3798 \fi
3799 }%
3800 \ifx\bidi@excludedpackages\@empty
3801     \bidi@ResetPreventPackageFromLoading
3802 \fi
3803 \fi
3804 }
3805
3806 \@onlypreamble\bidi@PreventPackageFromLoading
3807 \newcommand*{\bidi@ResetPreventPackageFromLoading}{%
3808     \let\bidi@excludedpackages\@empty
3809     \ifx\RequirePackage\bidi@RequirePackage
3810         \ifx\usepackage\RequirePackage
3811             \let\usepackage\bidi@saved@RequirePackage
3812         \fi
3813     \let\RequirePackage\bidi@saved@RequirePackage
3814 \fi
3815 }
3816 \@onlypreamble\bidi@ResetPreventPackageFromLoading
3817 \newcommand*{\bidi@storepreventpackagefromloading}[1]{%
3818     \let#1\bidi@excludedpackages
3819 }
3820 \@onlypreamble\bidi@storepreventpackagefromloading
3821 \newcommand*{\bidi@unpreventpackagefromloading}{%
3822     \@ifstar {\@tempwatrue\bidi@unpreventpackagefromloading}%
3823             {\@tempwafalse\bidi@unpreventpackagefromloading}%
3824 }
3825
3826 \newcommand*{\@bidi@unpreventpackagefromloading}[1]{%
3827     \edef\reserved@b{\zap@space#1 \@empty}%
3828     \if@tempswa
3829         \@for\reserved@a:=\reserved@b\do {%
3830             \ifx\reserved@a\@empty \else
3831                 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3832                     \expandafter\let
3833                     \csname bidi@exclude@package@\reserved@a @do\endcsname
3834                     \undefined
3835                 \fi
3836             \fi
3837         }%
3838     \fi
3839     \ifcsname bidi@excludedpackages\endcsname
3840         \let\reserved@a\bidi@excludedpackages
3841         \let\bidi@excludedpackages\@empty

```



```

3842 \expandafter\@for\expandafter\reserved@c
3843 \expandafter:\expandafter=\reserved@a
3844 \do{%
3845   \ifx\reserved@c\@empty\else
3846     \@expandtwoargs\in{,\reserved@c,}{,\reserved@b,}%
3847     \ifin@
3848     \else
3849       \edef\bidix@excludedpackages{%
3850         \bidix@excludedpackages,\reserved@c
3851       }%
3852     \fi
3853   \fi
3854 }%
3855 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
3856 \fi
3857 }
3858
3859
3860 \newcommand*{\bidix@RequirePackage}[2] [] {%
3861   \let\reserved@c\@empty
3862   \let\reserved@d\@empty
3863   \edef\reserved@b{\zap@space#2 \@empty}%
3864   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3865   \do {%
3866     \begingroup
3867       \@tempswatruer
3868       \@for\reserved@a:=\bidix@excludedpackages\do {%
3869         \ifx\reserved@a\reserved@b
3870           \@tempswafalse
3871         \fi
3872       }%
3873       \if@tempswa
3874         \xdef\reserved@c{\reserved@c,\reserved@b}%
3875       \else
3876         \ifx\reserved@b\@empty\else
3877           \PackageInfo{biditools}{Excluding package `\'reserved@b'\MessageBreak
3878             from loading}%
3879           \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
3880             }{%
3881               \expandafter\g@addto@macro\expandafter\reserved@d
3882               \csname bidix@exclude@package@\reserved@b @do\endcsname
3883             }%
3884         \fi
3885       \fi
3886     \endgroup
3887   }%
3888   \ifx\reserved@c\@empty
3889     \let\reserved@a\bidix@gobbleopt
3890   \else
3891     \edef\reserved@a{\noexpand\bidix@saved@RequirePackage[#1]{%

```



```

3892         \expandafter\@gobble\reserved@c\@empty}}%
3893     \fi
3894     \expandafter\reserved@d
3895     \reserved@a
3896 }
3897
3898 \newcommand{\bidi@gobbleopt}[1] [] {}
3899 \AtEndDocument{%
3900     \let\bidi@saved@checkend=\@checkend
3901     \renewcommand*{\@checkend}[1] {%
3902         \def\reserved@a{#1}\def\reserved@b{document}%
3903         \bidi@saved@checkend{#1}%
3904         \ifx\reserved@a\reserved@b
3905             \let\bidi@saved@clearpage=\clearpage
3906             \renewcommand*{\clearpage}{\bidi@saved@clearpage
3907                 \bidi@hook@bcma
3908                 \bidi@restore@newpage
3909                 \let\clearpage=\bidi@saved@clearpage}%
3910             \fi%
3911             \let\bidi@saved@dofilelist\@dofilelist
3912             \def\@dofilelist{%
3913                 \bidi@hook@acma
3914                 \let\@dofilelist\bidi@saved@dofilelist
3915                 \bidi@saved@dofilelist
3916             }%
3917         }%
3918 }
3919
3920
3921 \newcommand*{\bidi@saved@checkend}{}
3922 \newcommand*{\bidi@saved@dofilelist}{}
3923 \newcommand*{\bidi@redefine@newpage}{}%
3924 \let\bidi@saved@newpage\newpage
3925 \def\bidi@restore@newpage{%
3926     \renewcommand*{\newpage}{%
3927         \PackageWarningNoLine{%
3928             biditools%
3929         }{%
3930             \string\newpage\space at main aux file!\MessageBreak
3931             You have output material at the main aux file.\MessageBreak
3932             Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3933             are processed before the output from aux file%
3934         }%
3935         \let\newpage\bidi@saved@newpage
3936         \newpage
3937     }%
3938 }%
3939 \renewcommand*{\newpage}{}%
3940 \PackageError{%
3941     biditools%

```



```

3942 }{%
3943   \string\newpage\space at \string\bid@BeforeClosingMainAux
3944 }{%
3945   You should never use \string\newpage\space or
3946   \string\clear(double)page or other output material at the\MessageBreak
3947   argument of \string\bid@BeforeClosingMainAux!\MessageBreak
3948   If you'll continue, the \string\newpage\space will be ignored to
3949   avoid corruption of\MessageBreak
3950   every prior use of \string\bid@BeforeClosingMainAux.
3951 }%
3952 }%
3953 }
3954
3955 \newcommand*{\bid@restore@newpage}{}
3956 \newcommand*{\bid@hook@bcma}{}
3957 \newcommand*{\bid@hook@acma}{}
3958 \newcommand*{\bid@BeforeClosingMainAux}{%
3959   \ifx\bid@hook@bcma\@empty
3960     \gdef\bid@hook@bcma{%
3961       \renewcommand*{\bid@BeforeClosingMainAux}[1]{###1}%
3962       \let\protected@write\bid@protected@immediate@write
3963       \bid@redefine@newpage
3964     }%
3965   \fi
3966   \@addto@macro\bid@hook@bcma%
3967 }
3968
3969 \newcommand*{\bid@AfterReadingMainAux}{%
3970   \ifx\bid@hook@acma\@empty
3971     \gdef\bid@hook@acma{%
3972       \renewcommand*{\bid@AfterReadingMainAux}[1]{###1}%
3973       \let\protected@write\bid@protected@immediate@write
3974     }%
3975   \fi
3976   \@addto@macro\bid@hook@acma%
3977 }
3978
3979 \long\def\bid@protected@immediate@write#1#2#3{%
3980   \begingroup
3981     #2%
3982     \let\protect\@unexpandable@protect
3983     \edef\reserved@a{\immediate\write#1{#3}}%
3984     \reserved@a
3985   \endgroup
3986   \if@nobreak\ifvmode\nobreak\fi\fi
3987 }
3988
3989 \def\bid@patch@counter{0}%
3990 \if@bid@csundef{numexpr}{%
3991   \def\bid@patch@stepcounter{%

```



```

3992 \begingroup
3993 \count@\bidi@patch@counter\relax
3994 \advance\count@\@ne\relax
3995 \edef\x{\endgroup
3996 \noexpand\def\noexpand\bidi@patch@counter{\the\count}%
3997 }%
3998 \x
3999 }%
4000 }{%
4001 \def\bidi@patch@stepcounter{%
4002 \edef\bidi@patch@counter{%
4003 \the\numexpr\bidi@patch@counter+\@ne\relax
4004 }%
4005 }%
4006 }
4007 \def\bidi@patch@list{}
4008 \def\bidi@patch@Add{%
4009 \bidi@appto\bidi@patch@list
4010 }
4011 \def\bidi@patch@AfterPackage#1{%
4012 \@ifpackageloaded{#1}{%
4013 \@firstofone
4014 }{%
4015 \@bidi@patch@AfterPackage{#1}%
4016 }%
4017 }
4018 \def\@bidi@patch@AfterPackage#1{%
4019 \edef\bidi@patch@temp{#1}%
4020 \bidi@patch@stepcounter
4021 \expandafter\bidi@patch@@AfterPackage
4022 \csname @bidi@patch@\bidi@patch@counter\expandafter\endcsname{%
4023 \bidi@patch@temp
4024 }%
4025 }
4026 \def\bidi@patch@@AfterPackage#1#2#3{%
4027 \begingroup
4028 \toks@{#3}%
4029 \xdef\bidi@patch@gtemp{%
4030 \noexpand\@ifpackageloaded{#2}{%
4031 \noexpand\let\noexpand#1\noexpand\relax
4032 \the\toks@
4033 }{}}%
4034 }%
4035 \endgroup
4036 \let#1\bidi@patch@gtemp
4037 \bidi@patch@Add#1%
4038 \bidi@patch@try{\bidi@AfterPackage}{#2}#1%
4039 }
4040
4041 \def\bidi@patch@try#1#2#3{%

```



```

4042 \if@bidi@csundef{#1}{}{%
4043 \csname #1\endcsname{#2}{#3}%
4044 }%
4045 }
4046
4047 \AtBeginDocument{\bidi@patch@list}
4048
4049 \bidi@AtEndPreamble{\bidi@patch@list}%
4050
4051 \bidi@AfterEndPreamble{%
4052 \let\bidi@patch@OrgIfPackageLoaded\ifpackageloaded
4053 \let\bidi@patch@OrgIfPackageLater\ifpackagelater
4054 \let\bidi@patch@OrgIfClassLoaded\ifclassloaded
4055 \let\bidi@patch@OrgIfClassLater\ifclasslater
4056 \bidi@patch@list
4057 \let\ifpackageloaded\bidi@patch@OrgIfPackageLoaded
4058 \let\ifpackagelater\bidi@patch@OrgIfPackageLater
4059 \let\ifclassloaded\bidi@patch@OrgIfClassLoaded
4060 \let\ifclasslater\bidi@patch@OrgIfClassLater
4061 }%

```

21 File `bidituftefloat.sty`

```

4062 \NeedsTeXFormat{LaTeX2e}
4063 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
4064 bidi implementation of tufte float]
4065 \RequirePackage{xifthen}
4066 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
4067 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
4068 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bidi
4069 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
4070 \newboolean{\@bidituftefloat@reversegeometry}
4071 \setboolean{\@bidituftefloat@reversegeometry}{false}
4072 \DeclareOption{reversegeometry}{\setboolean{\@bidituftefloat@reversegeometry}{true}}
4073 \newboolean{\@bidituftefloat@a4paper}
4074 \DeclareOption{a4paper}{\setboolean{\@bidituftefloat@a4paper}{true}}
4075 \newboolean{\@bidituftefloat@b5paper}
4076 \DeclareOption{b5paper}{\setboolean{\@bidituftefloat@b5paper}{true}}
4077 \newboolean{\@bidituftefloat@symmetric}
4078 \newboolean{\@bidituftefloat@twoside}
4079 \DeclareOption{twoside}{%
4080 \@twoside true \mparswitch true%
4081 \setboolean{\@bidituftefloat@twoside}{true}%
4082 \setboolean{\@bidituftefloat@symmetric}{true}%
4083 }
4084 \DeclareOption{oneside}{%
4085 \@twoside false \mparswitch false%
4086 \setboolean{\@bidituftefloat@twoside}{false}%
4087 \setboolean{\@bidituftefloat@symmetric}{false}%
4088 }

```



```

4089 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4090 \newboolean{@biditytfloat@debug}
4091 \newcommand*{@biditytfloat@caption@justification}{@biditytfloat@justification@autodetect}
4092 \ProcessOptions
4093 %% Globally sets the length
4094 \newcommand*{@gsetlength}[2]{%
4095   \setlength{#1}{#2}%
4096   \global#1=#1\relax%
4097 }
4098
4099 %% Set the font sizes and baselines to match biditytfloat's books
4100 \renewcommand\normalsize{%
4101   \@setfontsize\normalsize\@xpt{14}%
4102   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4103   \abovedisplayshortskip \z@ \@plus3\p@
4104   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4105   \belowdisplayskip \abovedisplayskip
4106   \let\@listi\@listI}
4107 \normalbaselineskip=14pt
4108 \normalsize
4109 \renewcommand\footnotesize{%
4110   \@setfontsize\footnotesize\@viipt{10}%
4111   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4112   \abovedisplayshortskip \z@ \@plus\p@
4113   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4114   \def\@listi{\leftmargin\leftmarginI
4115             \topsep 3\p@ \@plus\p@ \@minus\p@
4116             \parsep 2\p@ \@plus\p@ \@minus\p@
4117             \itemsep \parsep}%
4118   \belowdisplayskip \abovedisplayskip
4119 }
4120 %% Paragraph indentation and separation for marginal text
4121 \newcommand{@biditytfloat@margin@par}{%
4122   \setlength{\RaggedRightParindent}{0.5pc}%
4123   \setlength{\JustifyingParindent}{0.5pc}%
4124   \setlength{\parindent}{0.5pc}%
4125   \setlength{\parskip}{0pt}%
4126 }
4127 \RequirePackage{ragged2e}
4128 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
4129 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginparskip]{ragged2e}
4130 \ifthenelse{\boolean{@biditytfloat@afourpaper}}{
4131   {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginparskip}{
4132     {}
4133   \ifthenelse{\boolean{@biditytfloat@bfivepaper}}{
4134     {\geometry{paperwidth=176mm, paperheight=250mm, right=14.66mm, top=13.88mm, textwidth=102.66mm, marginparskip}{
4135       {}
4136 \RequirePackage[letterpaper, left=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginparskip]{ragged2e}
4137 \ifthenelse{\boolean{@biditytfloat@afourpaper}}{
4138   {\geometry{a4paper, left=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginparskip}{

```




```

4139 {}
4140 \ifthenelse{\boolean{@bidituftefloat@bfivepaper}}
4141   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,ma
4142   {}}}
4143 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4144   {}
4145   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
4146 \setlength\marginparpush{10pt}
4147 %% Font for margin items
4148 \newcommand{\@bidituftefloat@marginfont}{\normalfont\footnotesize}
4149 \newcommand*{\@bidituftefloat@caption@font}{\@bidituftefloat@marginfont}
4150 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidituftefloat@caption@font}{#1}}
4151 \newcommand{\@bidituftefloat@justification}{\justifying}%
4152 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4153 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4154 \newboolean{@bidituftefloat@changepage}
4155 \IfFileExists{changepage.sty}{%
4156   \bidituftefloatDebugInfoNL{Found changepage.sty}
4157   \RequirePackage[strict]{changepage}
4158   \setboolean{@bidituftefloat@changepage}{true}
4159 }{%
4160   \bidituftefloatDebugInfoNL{Found chngpage.sty}
4161   \RequirePackage[strict]{chngpage}
4162   \setboolean{@bidituftefloat@changepage}{false}
4163 }
4164 \newboolean{@bidituftefloat@odd@page}
4165 \setboolean{@bidituftefloat@odd@page}{true}
4166 \newcommand*{\@bidituftefloat@checkoddpager}{%
4167   \checkoddpager%
4168   \ifthenelse{\boolean{@bidituftefloat@changepage}}{%
4169     \ifoddpager%
4170       \setboolean{@bidituftefloat@odd@page}{true}%
4171     \else%
4172       \setboolean{@bidituftefloat@odd@page}{false}%
4173     \fi%
4174   }{%
4175     \ifcpoddpager%
4176       \setboolean{@bidituftefloat@odd@page}{true}%
4177     \else%
4178       \setboolean{@bidituftefloat@odd@page}{false}%
4179     \fi%
4180   }%
4181 }
4182 \newlength{\@bidituftefloat@overhang}% used by the fullwidth environment and the running head
4183 \newlength{\@bidituftefloat@fullwidth}
4184 \newlength{\@bidituftefloat@caption@fill}
4185 \newcommand{\@bidituftefloatRecalculate}{%
4186   \setlength{\@bidituftefloat@overhang}{\marginparwidth}
4187   \addtolength{\@bidituftefloat@overhang}{\marginparsep}
4188

```



```

4189 \setlength{\@biditytfloat@fullwidth}{\textwidth}
4190 \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4191 \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4192
4193 \setlength{\@biditytfloat@caption@fill}{\textwidth}
4194 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4195 }
4196 \AtBeginDocument{\biditytfloatRecalculate}
4197 \RequirePackage{optparams}% provides multiple optional arguments for commands
4198 \RequirePackage{placeins}
4199 \newsavebox{\@biditytfloat@margin@floatbox}
4200 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
4201 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4202 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
4203 \begin{minipage}{\marginparwidth}%
4204 \@biditytfloat@caption@font%
4205 \def\@capttype{#2}%
4206 \hbox{\vspace*{#1}%
4207 \@biditytfloat@caption@justification%
4208 \@biditytfloat@margin@par%
4209 \noindent%
4210 }
4211 {\end{minipage}%
4212 \end{lrbox}%
4213 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
4214 }
4215 \newenvironment{marginfigure}[1][-1.2ex]%
4216 {\begin{@biditytfloat@margin@float}[#1]{figure}}
4217 {\end{@biditytfloat@margin@float}}
4218 \newenvironment{margintable}[1][-1.2ex]%
4219 {\begin{@biditytfloat@margin@float}[#1]{table}}
4220 {\end{@biditytfloat@margin@float}}
4221 \newcommand*\@biditytfloat@justification@autodetect{\justifying}%
4222
4223 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
4224 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4225 \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}%
4226 {\def\@biditytfloat@float@debug@info{#1}%
4227 \g@addto@macro{\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4228 }
4229 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4230 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info{setfloatalignment: #1}}
4231 \newboolean{@biditytfloat@float@recto}
4232 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info{forcerectofloat}}
4233 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info{forceversofloat}}
4234 \newsavebox{\@biditytfloat@figure@box}
4235 \newsavebox{\@biditytfloat@caption@box}
4236 \let\@biditytfloat@orig@float\@float
4237 \let\@biditytfloat@orig@endfloat\endfloat
4238 \newlength{\@biditytfloat@caption@vertical@offset}

```



```

4239 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4240 \newcommand{\@biditytfloat@stored@shortcaption}{}
4241 \newcommand{\@biditytfloat@stored@caption}{}
4242 \newcommand{\@biditytfloat@stored@label}{}
4243 \long\def\@biditytfloat@caption[#1][#2]#3{%
4244   \ifthenelse{\isempty{#1}}%
4245     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
4246     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
4247   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to low
4248   \gdef\@biditytfloat@stored@caption{#3}%
4249 }
4250 \newcommand{\@biditytfloat@label}[1]{%
4251   \gdef\@biditytfloat@stored@label{#1}%
4252 }
4253 \newcommand{\@biditytfloat@fps}{}
4254 \newboolean{\@biditytfloat@float@star}
4255 \newlength{\@biditytfloat@float@contents@width}
4256 \newenvironment{\@biditytfloat@float}[3][htbp]%
4257 {% begin \@biditytfloat@float
4258   % Should this float be full-width or just text-width?
4259   \ifthenelse{\equal{#3}{star}}%
4260     {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
4261     {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
4262   % Check page side (recto/verso) and store detected value -- can be overridden in environment
4263   \@biditytfloat@checkoddpage%
4264   \ifthenelse{\boolean{\@biditytfloat@odd@page}}%
4265     {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Detecting recto}}
4266     {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Detecting verso}}
4267   % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4268   \renewcommand{\@biditytfloat@fps}{#1}%
4269   \@biditytfloat@float@debug{Allowed positions: [1]}%
4270   \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
4271     {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bottom]}}
4272     {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top]}}
4273   % Capture the contents of the \caption and \label commands to use later
4274   \global\let\@biditytfloat@orig@caption\caption%
4275   \global\let\@biditytfloat@orig@label\label%
4276   \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [Opt]}}%
4277   \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4278   % Handle subfigure package compatibility
4279   \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4280     \bidi@patchcmd{\subfigure}{%
4281       \let\subfig@oldlabel=\label
4282     }{%
4283       \let\subfig@oldlabel=\@biditytfloat@orig@label
4284     }
4285     {}
4286     {}
4287     \let\subtable=\subfigure
4288   }% subfigure package is not loaded

```



```

4289 \@biditytfloat@orig@float{#2}[#1]%
4290 \ifthenelse{\boolean{@biditytfloat@float@star}}{%
4291   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4292   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4293   \begin{lrbox}{\@biditytfloat@figure@box}%
4294     \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4295 }{% end @biditytfloat@float
4296   \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% al
4297   \end{minipage}%
4298   \end{lrbox}%
4299   % build the caption box
4300   \begin{lrbox}{\@biditytfloat@caption@box}%
4301     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4302       \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@capt
4303       \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{
4304       \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4305     \end{minipage}%
4306   \end{lrbox}%
4307   % now typeset the stored boxes
4308   \begin{fullwidth}%
4309     \begin{minipage}[\floatalignment]{\linewidth}%
4310       \ifthenelse{\boolean{@biditytfloat@float@star}}{%
4311         {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4312         {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4313       \end{minipage}%
4314     \end{fullwidth}%
4315     \@biditytfloat@orig@endfloat% end original LaTeX float environment
4316     % output debug info
4317     \ifthenelse{\boolean{@biditytfloat@debug}}{%
4318       \typeout{^^J^^J----- biditytfloat package float information -----}%
4319       \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
4320         {\typeout{Warning: Float unlabeled!}}%
4321         {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4322       \typeout{Page number: [\thepage]}%
4323       \def\MessageBreak{^^J}%
4324       \typeout{\@biditytfloat@float@debug@info}%
4325       \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4326         {\typeout{Symmetric: [true]}}%
4327         {\typeout{Symmetric: [false]}}%
4328       \typeout{-----^^J^^J}%
4329     }{%
4330     % reset commands and temp boxes and captions
4331     \gdef\@biditytfloat@float@debug@info{%
4332     \let\caption\@biditytfloat@orig@caption%
4333     \let\label\@biditytfloat@orig@label%
4334     \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4335     \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4336     \gdef\@biditytfloat@stored@shortcaption{%
4337     \gdef\@biditytfloat@stored@caption{%
4338     \gdef\@biditytfloat@stored@label{%

```



```

4339 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4340 }
4341 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
4342 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}{
4343 % asymmetric or page is odd, so caption is on the right
4344 \hbox{%
4345 \usebox{#2}%
4346 \hspace{\marginparsep}%
4347 \smash{\raisebox{#1}{\usebox{#3}}}%
4348 }
4349 \@biditytfloat@float@debug{Caption position: [right]]}%
4350 }{% symmetric pages and page is even, so caption is on the left
4351 \hbox{%
4352 \smash{\raisebox{#1}{\usebox{#3}}}%
4353 \hspace{\marginparsep}%
4354 \usebox{#2}%
4355 }
4356 \@biditytfloat@float@debug{Caption position: [left]]}%
4357 }%
4358 }
4359 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4360 \ifthenelse{\equal{\floatalignment}{b}}{
4361 {% place caption above figure
4362 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}{
4363 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{
4364 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{
4365 }{% place caption below figure
4366 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}{
4367 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{
4368 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{
4369 }%
4370 }
4371 }
4372 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4373 {\end{@biditytfloat@float}}
4374 \renewenvironment{table}[1][htbp]
4375 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4376 {\end{@biditytfloat@float}}
4377 \renewenvironment{figure*}[1][htbp]
4378 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4379 {\end{@biditytfloat@float}}
4380 \renewenvironment{table*}[1][htbp]
4381 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4382 {\end{@biditytfloat@float}}
4383 \newenvironment{fullwidth}
4384 {\ifthenelse{\boolean{@biditytfloat@symmetric}}{
4385 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@float@overhang}}{
4386 {\begin{adjustwidth}{-}\@biditytfloat@float@overhang}}%
4387 }%
4388 {\ifthenelse{\boolean{@biditytfloat@symmetric}}{

```



```

4389     {\ifthenelse{\boolean{@biditytfloat@change@page}}{\end{adjustwidth*}}{\end{adjustwidth}}}
4390     {\end{adjustwidth}}}%
4391   }
4392 \long\def\@caption#1[#2]#3{%
4393   \par%
4394   \addcontentsline{\csname ext@#1\endcsname}{#1}%
4395     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4396   \begingroup%
4397     \@parboxrestore%
4398     \if@minipage%
4399       \setminipage%
4400       \fi%
4401     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4402     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4403     %\makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4404   \endgroup}
4405 %%
4406 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4407 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4408   \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4409 }
4410 \def\@biditytfloat@newlinetospace@i{%
4411   \ifdim\lastskip>\z@ \else \space\fi
4412   \ignorespaces%
4413 }
4414 \DeclareRobustCommand{\newlinetospace}[1]{%
4415   \let\@biditytfloat@orig@cr\\% save the original meaning of \\
4416   \def\\{\@biditytfloat@newlinetospace}% turn \\ and \\* into \space
4417   \let\newline\\% turn \newline into \space
4418   #1%
4419   \let\\ \@biditytfloat@orig@cr% revert to original meaning of \\
4420 }
4421 \RequirePackage{fancyhdr}
4422 \pagestyle{fancy}
4423 \AtBeginDocument{%
4424   \ifthenelse{\boolean{@biditytfloat@symmetric}}
4425     {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
4426     {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
4427 }
4428 % The running heads/feet don't have rules
4429 \renewcommand{\headrulewidth}{0pt}
4430 \renewcommand{\footrulewidth}{0pt}
4431 % The 'fancy' page style is the default style for all pages.
4432 \fancyhf{} % clear header and footer fields
4433   \ifthenelse{\boolean{@biditytfloat@symmetric}}
4434     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4435       \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}%
4436       \fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4437 % The 'plain' page style is used on chapter opening pages.
4438 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the

```



```

4439 % bottom of pages -- the folios are unexpressed.
4440 \fancypagestyle{plain}{
4441   \fancyhf{} % clear header and footer fields
4442   % Uncomment the following five lines of code if you want the opening page
4443   % of the chapter to express the folio in the lower outside corner.
4444   % \ifthenelse{\boolean{@bidituftefloat@symmetric}}{
4445   %   {\fancyfoot[LE,RO]{\thepage}}
4446   %   {\fancyfoot[RE,RO]{\thepage}}
4447 }
4448 % The 'empty' page style suppresses all headers and footers.
4449 % It's used on title pages and 'intentionally blank' pages.
4450 \fancypagestyle{empty}{
4451   \fancyhf{} % clear header and footer fields
4452 }
4453 \def\morefloats{% provides a total of 52 floats
4454   \ifthenelse{\isundefined{\bx@S}}{%
4455     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4456     \newinsert\bx@S
4457     \newinsert\bx@T
4458     \newinsert\bx@U
4459     \newinsert\bx@V
4460     \newinsert\bx@W
4461     \newinsert\bx@X
4462     \newinsert\bx@Y
4463     \newinsert\bx@Z
4464     \newinsert\bx@a
4465     \newinsert\bx@b
4466     \newinsert\bx@c
4467     \newinsert\bx@d
4468     \newinsert\bx@e
4469     \newinsert\bx@f
4470     \newinsert\bx@g
4471     \newinsert\bx@h
4472     \newinsert\bx@i
4473     \newinsert\bx@j
4474     \newinsert\bx@k
4475     \newinsert\bx@l
4476     \newinsert\bx@m
4477     \newinsert\bx@n
4478     \newinsert\bx@o
4479     \newinsert\bx@p
4480     \newinsert\bx@q
4481     \newinsert\bx@r
4482     \newinsert\bx@s
4483     \newinsert\bx@t
4484     \newinsert\bx@u
4485     \newinsert\bx@v
4486     \newinsert\bx@w
4487     \newinsert\bx@x
4488     \newinsert\bx@y

```



```

4489 \newinsert\bx@z
4490 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4491 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4492 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4493 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4494 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4495 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4496 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4497 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4498 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4499 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4500 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4501 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4502 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4503 \ifthenelse{\isundefined{\bx@AA}}{%
4504 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4505 \newinsert\bx@AA
4506 \newinsert\bx@BB
4507 \newinsert\bx@CC
4508 \newinsert\bx@DD
4509 \newinsert\bx@EE
4510 \newinsert\bx@FF
4511 \newinsert\bx@GG
4512 \newinsert\bx@HH
4513 \newinsert\bx@II
4514 \newinsert\bx@JJ
4515 \newinsert\bx@KK
4516 \newinsert\bx@LL
4517 \newinsert\bx@MM
4518 \newinsert\bx@NN
4519 \newinsert\bx@OO
4520 \newinsert\bx@PP
4521 \newinsert\bx@QQ
4522 \newinsert\bx@RR
4523 \newinsert\bx@SS
4524 \newinsert\bx@TT
4525 \newinsert\bx@UU
4526 \newinsert\bx@VV
4527 \newinsert\bx@WW
4528 \newinsert\bx@XX
4529 \newinsert\bx@YY
4530 \newinsert\bx@ZZ
4531 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4532 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4533 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4534 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4535 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4536 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4537 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4538 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j

```




```

4539 \elt\bx@k\elt\bx@l\elt\bx@m\elt\bx@n
4540 \elt\bx@o\elt\bx@p\elt\bx@q\elt\bx@r
4541 \elt\bx@s\elt\bx@t\elt\bx@u\elt\bx@v
4542 \elt\bx@w\elt\bx@x\elt\bx@y\elt\bx@z
4543 \elt\bx@AA\elt\bx@BB\elt\bx@CC\elt\bx@DD\elt\bx@EE
4544 \elt\bx@FF\elt\bx@GG\elt\bx@HH\elt\bx@II\elt\bx@JJ
4545 \elt\bx@KK\elt\bx@LL\elt\bx@MM\elt\bx@NN
4546 \elt\bx@OO\elt\bx@PP\elt\bx@QQ\elt\bx@RR
4547 \elt\bx@SS\elt\bx@TT\elt\bx@UU\elt\bx@VV
4548 \elt\bx@WW\elt\bx@XX\elt\bx@YY\elt\bx@ZZ}%
4549 }{%
4550 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
4551 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
4552 }%
4553 }%
4554 }
4555 \newboolean{@biditytfloat@packages@subfigure}
4556 \setboolean{@biditytfloat@packages@subfigure}{false}
4557 \AtBeginDocument{%
4558 \ifpackageloaded{subfigure}
4559 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4560 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4561 }
4562 \AtBeginDocument{%
4563 \ifpackageloaded{float}{%
4564 % Save the redefined float environment (instead of the LaTeX float environment)
4565 \let\@biditytfloat@orig@float\@float
4566 \let\@biditytfloat@orig@endfloat\endfloat
4567
4568 % Define Tuftian float styles (with the caption in the margin)
4569 \newcommand{\floatc@biditytfloatplain}[2]{%
4570 \begin{lrbox}{\@biditytfloat@caption@box}%
4571 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4572 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4573 \end{minipage}%
4574 \end{lrbox}%
4575 \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
4576 }
4577 \newcommand{\fs@biditytfloatplain}{%
4578 \def\@fs@cfont{\@biditytfloat@caption@font}%
4579 \let\@fs@capt\floatc@biditytfloatplain%
4580 \def\@fs@pre{%
4581 \def\@fs@post{%
4582 \def\@fs@mid{%
4583 \let\@fs@iftopcapt\iftrue%
4584 }
4585 \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4586 \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4587 \newcommand\floatc@biditytfloatruled[2]{%
4588 {\@fs@cfont #1} #2\par%

```



```

4589 }
4590 \newcommand\fs@bidituftefloatruled{%
4591   \def\@fs@cfont{\@bidituftefloat@caption@font}%
4592   \let\@fs@capt\floatc@bidituftefloatplain%
4593   \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4594   \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4595   \def\@fs@mid{}%
4596   \let\@fs@iftopcapt\iftrue%
4597 }
4598 \newcommand\fs@bidituftefloatboxed{%
4599   \def\@fs@cfont{}%
4600   \let\@fs@capt\floatc@bidituftefloatplain%
4601   \def\@fs@pre{%
4602     \setbox\@currbox\vbox{\hbadness10000
4603       \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4604         \hrule \hbox to\hsize{\vrule\kern3pt
4605           \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4606   }%
4607   \def\@fs@mid{\kern2pt}%
4608   \def\@fs@post{}%
4609   \let\@fs@iftopcapt\iftrue%
4610 }
4611 }{%
4612   % Nothing to do
4613 }
4614 }
4615 \AtBeginDocument{%
4616   \@ifpackageloaded{algorithm}{%
4617     % Set the float style to the Tufte version
4618     \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}}{
4619       \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4620         \floatstyle{bidituftefloat\ALG@floatstyle}%
4621         \restylefloat{algorithm}%
4622       }{%
4623     }{%
4624       % Nothing to do
4625     }
4626   }
4627 \PassOptionsToPackage{caption=false}{subfig}

```

22 File bidituftesidenote.sty

```

4628 \NeedsTeXFormat{LaTeX2e}
4629 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
4630 bidi implementation of tufte sidenote]
4631 \RequirePackage{xifthen}
4632 \RequirePackage{ragged2e}
4633 \RequirePackage{setspace}
4634 \RequirePackage{biditools}
4635 \def\bidituftesidenotemarginpar{%

```



```

4636 \ifhmode
4637   \@bsphack
4638   \@floatpenalty -\@Mii
4639 \else
4640   \@floatpenalty-\@Miii
4641 \fi
4642 \ifinner
4643   \@parmoderr
4644   \@floatpenalty\z@
4645 \else
4646   \@next\@currbox\@freelist{ }{}%
4647   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4648   {\@floatpenalty\z@
4649     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4650 \fi
4651 \@ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
4652 \long\def\@bidituftesidenotexmpar[#1]#2{%
4653   \@bidituftesidenotesavemarbox\@marbox{#1}%
4654   \@bidituftesidenotesavemarbox\@currbox{#2}%
4655   \@xympar}
4656 \long\def\@bidituftesidenoteympar#1{%
4657   \@bidituftesidenotesavemarbox\@marbox{#1}%
4658   \global\setbox\@currbox\copy\@marbox
4659   \@xympar}
4660 \long\def \@bidituftesidenotesavemarbox #1#2{%
4661   \global\setbox #1%
4662     \color@vbox
4663     \vtop{%
4664       \hsize\marginparwidth
4665       \@parboxrestore
4666       \@bidituftesidenotemarginparreset
4667       #2%
4668       \@minipagefalse
4669       \outer@nobreak
4670     }%
4671   \color@endbox
4672 }
4673 \def \@bidituftesidenotemarginparreset {%
4674   \reset@font
4675   \normalsize
4676   \@minipagetrue
4677   \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
4678 }
4679 \def\LTRbidituftesidenotemarginpar{%
4680   \ifhmode
4681     \@bsphack
4682     \@floatpenalty -\@Mii
4683   \else
4684     \@floatpenalty-\@Miii
4685   \fi

```



```

4686 \ifinner
4687 \@parmoderr
4688 \@floatpenalty\z@
4689 \else
4690 \@next\@currbox\@freelist{}\}%
4691 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4692 {\@floatpenalty\z@
4693 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4694 \fi
4695 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4696 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4697 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4698 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4699 \@xympar}
4700 \long\def\@LTRbidityftesidenoteympar#1{%
4701 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4702 \global\setbox\@currbox\copy\@marbox
4703 \@xympar}
4704 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4705 \global\setbox #1%
4706 \color@vbox
4707 \vtop{%
4708 \hsize\marginparwidth
4709 \@parboxrestore
4710 \@LTRbidityftesidenotemarginparreset
4711 #2%
4712 \@minipagefalse
4713 \outer@nobreak
4714 }%
4715 \color@endbox
4716 }
4717 \def \@LTRbidityftesidenotemarginparreset {%
4718 \reset@font
4719 \normalsize
4720 \@minipagetrue
4721 \everypar{\@minipagefalse\everypar{}\beginL}%
4722 }
4723 \def\RTLbidityftesidenotemarginpar{%
4724 \ifhmode
4725 \@bsphack
4726 \@floatpenalty -\@Mii
4727 \else
4728 \@floatpenalty-\@Miii
4729 \fi
4730 \ifinner
4731 \@parmoderr
4732 \@floatpenalty\z@
4733 \else
4734 \@next\@currbox\@freelist{}\}%
4735 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%

```



```

4736      {\@floatpenalty\z@
4737      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4738    \fi
4739    \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4740  \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4741    \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4742    \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4743    \@xympar}
4744  \long\def\@RTLbidityftesidenoteympar#1{%
4745    \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4746    \global\setbox\@currbox\copy\@marbox
4747    \@xympar}
4748  \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4749    \global\setbox #1%
4750      \color@vbox
4751      \vtop{%
4752        \hsize\marginparwidth
4753        \@parboxrestore
4754        \@RTLbidityftesidenotemarginparreset
4755        #2%
4756        \@minipagefalse
4757        \outer@nobreak
4758      }%
4759    \color@endbox
4760 }
4761 \def \@RTLbidityftesidenotemarginparreset {%
4762   \reset@font
4763   \normalsize
4764   \@minipagetrue
4765   \everypar{\@minipagefalse\everypar{}\beginR}%
4766 }
4767 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4768 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
4769 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
4770 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4771 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
4772 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
4773 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4774 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
4775 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
4776 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4777 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
4778 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
4779 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4780 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
4781 \newcommand*{\setRTLSidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
4782 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4783 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
4784 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
4785 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}

```



```

4786 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
4787 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
4788 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
4789 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
4790 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
4791 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4792 \newcommand{\@bidityftesidenote@margin@par}{%
4793   \setlength{\RaggedRightParindent}{0.5pc}%
4794   \setlength{\JustifyingParindent}{0.5pc}%
4795   \setlength{\parindent}{0.5pc}%
4796   \setlength{\parskip}{0pt}%
4797 }
4798 %%
4799 % Globally sets the length
4800 \ifundefined{gsetlength}{%
4801 \newcommand*{\gsetlength}[2]{%
4802   \setlength{#1}{#2}%
4803   \global#1=#1\relax%
4804 }%
4805 }{}
4806
4807 %%
4808 % A function that removes leading and trailing spaces from the supplied macro.
4809 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4810 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
4811 % being trimmed of leading and trailing white space.
4812 \catcode`\Q=3
4813 \def\@bidityftesidenote@trim@spaces#1{%
4814   % Use grouping to emulate a multi-token afterassignment queue
4815   \begingroup%
4816   % Put \toks 0 {' into the afterassignment queue
4817   \aftergroup\toks\aftergroup0\aftergroup{%
4818     % Apply \trimb to the replacement text of #1, adding a leading
4819     % \noexpand to prevent brace stripping and to serve another purpose
4820     % later.
4821     \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4822   % Transfer the trimmed text back into #1.
4823   \edef#1{\the\toks0}%
4824 }
4825 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4826 % clean up any leftover bizarre Qs, and trim a leading space. In
4827 % order for \trimc to work properly we need to put back a Q first.
4828 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4829 % Execute \vfuzz assignment to remove leading space; the \noexpand
4830 % will now prevent unwanted expansion of a macro or other expandable
4831 % token at the beginning of the trimmed text. The \endgroup will feed
4832 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4833 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4834 \catcode`\Q=11
4835 %%

```



```

4836% Citations should go in the margin as sidenotes
4837
4838 \RequirePackage{natbib}
4839 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography envi
4840 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4841 \renewcommand\BR@b@bibitem[2][{}]{%
4842   \ifthenelse{\isempty{#1}}{%
4843     {\BR@b@bibitem{#2}}%
4844     {\BR@b@bibitem[#1]{#2}}%
4845   \BR@c@bibitem{#2}}%
4846 }
4847 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4848 %%
4849 % Normal \cite behavior
4850 \newcounter{@bidityftesidenote@num@bibkeys}%
4851 \newcommand{@@bidityftesidenote@normal@cite}[2][0pt]{%
4852   % Snag the last bibentry in the list for later comparison
4853   \let\@temp@last@bibkey\@empty%
4854   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4855   \sidenote[][#1]{%
4856     % Loop through all the bibentries, separating them with semicolons and spaces
4857     \normalsize\normalfont\@bidityftesidenote@citation@font%
4858     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4859     \@for\@temp@bibkeyx:=#2\do{%
4860       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4861         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4862           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4863           \bibentry{\@temp@bibkeyx}}%
4864         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4865           \bibentry{\@temp@bibkeyx};\ }%
4866       \stepcounter{@bidityftesidenote@num@bibkeys}}%
4867     }%
4868   }%
4869 }
4870 \newcommand{@@bidityfteLTRsidenote@normal@cite}[2][0pt]{%
4871   % Snag the last bibentry in the list for later comparison
4872   \let\@temp@last@bibkey\@empty%
4873   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4874   \LTRsidenote[][#1]{%
4875     % Loop through all the bibentries, separating them with semicolons and spaces
4876     \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
4877     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4878     \@for\@temp@bibkeyx:=#2\do{%
4879       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4880         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4881           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4882           \bibentry{\@temp@bibkeyx}}%
4883         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4884           \bibentry{\@temp@bibkeyx};\ }%
4885       \stepcounter{@bidityftesidenote@num@bibkeys}}%

```



```

4886 }%
4887 }%
4888 }
4889 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
4890 % Snag the last bibentry in the list for later comparison
4891 \let\@temp@last@bibkey\@empty%
4892 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4893 \RTLsidenote[] [#1]{%
4894 % Loop through all the bibentries, separating them with semicolons and spaces
4895 \normalsize\normalfont\@bidityftesidenote@citation@font%
4896 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4897 \@for\@temp@bibkeyx:=#2\do{%
4898 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4899 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4900 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4901 \bibentry{\@temp@bibkeyx}}%
4902 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4903 \bibentry{\@temp@bibkeyx};\ }%
4904 \stepcounter{\@bidityftesidenote@num@bibkeys}%
4905 }%
4906 }%
4907 }
4908 %%
4909 % Macros for holding the list of cite keys until after the \sidenote
4910 \gdef\@bidityftesidenote@citations{}% list of cite keys
4911 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4912 \ifx\@bidityftesidenote@citations\@empty\else
4913 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4914 \fi
4915 \g@addto@macro\@bidityftesidenote@citations{#1}
4916 }
4917 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4918 % Snag the last bibentry in the list for later comparison
4919 \let\@temp@last@bibkey\@empty%
4920 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4921 \marginpar{%
4922 \hbox{\vspace*{#1}%
4923 \@bidityftesidenote@citation@font%
4924 \@bidityftesidenote@citation@justification%
4925 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4926 \vspace*{-1\baselineskip}%
4927 % Loop through all the bibentries, separating them with semicolons and spaces
4928 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4929 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4930 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4931 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4932 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4933 \bibentry{\@temp@bibkeyx}}%
4934 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4935 \bibentry{\@temp@bibkeyx};\ }%

```




```

4936     \stepcounter{@bidityftesidenote@num@bibkeys}%
4937   }%
4938 }%
4939 }
4940 %%
4941 % \cite behavior when executed within a sidenote
4942 \newcommand{@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4943 \newcommand{@bidityftesidenote@infootnote@cite}[1]{%
4944   \@bidityftesidenote@add@citation{#1}
4945 }
4946 %%
4947 % Set the default \cite style. This is set and reset by the \sidenote command.
4948 \let\cite@bidityftesidenote@normal@cite
4949 \let\LTRcite@bidityftesidenote@normal@cite
4950 \let\RTLcite@bidityftesidenote@normal@cite
4951 %%
4952 % Transform existing \footnotes into \sidenotes
4953 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
4954 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4955 \providecommand{\footnotelayout}{@bidityftesidenote@sidenote@font@bidityftesidenote@sidenote@font}%
4956 \renewcommand{\footnotelayout}{@bidityftesidenote@sidenote@font@bidityftesidenote@sidenote@font}%
4957 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4958 % sidenote's text block.
4959 \bidi@patch@AfterPackage{bidi}{\long\def@makefnmark#1{\@textsuperscript{@bidityftesidenote@sidenote@font#1}}}%
4960 % Set the in-text footnote mark in the same typeface as the body text itself.
4961 \bidi@patch@AfterPackage{bidi}{\def@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize#1}}}}}%
4962 \providecommand*{\multiplefootnotemarker}{3sp}
4963 \providecommand*{\multfootsep}{,}
4964 \bidi@patch@AfterPackage{bidi}{%
4965 \renewcommand{\@footnotemark}{%
4966   \leavevmode%
4967   \ifhmode%
4968     \edef@x@sf{\the\spacefactor}%
4969     \@bidityftesidenote@check@multiple@sidenotes%
4970     \nobreak%
4971     \fi%
4972     \@makefnmark%
4973     \ifhmode\spacefactor\@x@sf\fi%
4974     \relax%
4975 }%
4976 }
4977 \newcommand{@bidityftesidenote@check@multiple@sidenotes}{%
4978   \ifdim\lastkern=\multiplefootnotemarker\relax%
4979     \edef@x@sf{\the\spacefactor}%
4980     \unkern%
4981     \textsuperscript{\multfootsep}%
4982     \spacefactor\@x@sf\relax%
4983   \fi
4984 }
4985 \bidi@patch@AfterPackage{bidi}{%

```



```

4986 \renewcommand\@footnotetext[2][Opt]{%
4987   \bidityftesidenotemarginpar{%
4988     \hbox{}\vspace*{#1}%
4989     \def\baselinestretch {\setspace@singlespace}%
4990     \reset@font%
4991     \bidi@footnotetext@font% \reset@font\footnotesize%
4992     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4993     \vspace*{-1\baselineskip}\noindent%
4994     \protected@edef\@currentlabel{%
4995       \csname p@footnote\endcsname\@thefnmark%
4996     }%
4997     \color@begingroup%
4998       \makefntext{%
4999         \ignorespaces#2%
5000       }%
5001     \color@endgroup%
5002   }%
5003 }%
5004 \renewcommand\@LTRfootnotetext[2][Opt]{%
5005   \LTRbidityftesidenotemarginpar{%
5006     \hbox{}\vspace*{#1}%
5007     \def\baselinestretch {\setspace@singlespace}%
5008     \reset@font%
5009     \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5010     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5011     \vspace*{-1\baselineskip}\noindent%
5012     \protected@edef\@currentlabel{%
5013       \csname p@footnote\endcsname\@thefnmark%
5014     }%
5015     \color@begingroup%
5016       \makefntext{%
5017         \ignorespaces#2%
5018       }%
5019     \color@endgroup%
5020   }%
5021 }%
5022 \renewcommand\@RTLfootnotetext[2][Opt]{%
5023   \RTLbidityftesidenotemarginpar{%
5024     \hbox{}\vspace*{#1}%
5025     \def\baselinestretch {\setspace@singlespace}%
5026     \reset@font%
5027     \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5028     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5029     \vspace*{-1\baselineskip}\noindent%
5030     \protected@edef\@currentlabel{%
5031       \csname p@footnote\endcsname\@thefnmark%
5032     }%
5033     \color@begingroup%
5034       \makefntext{%
5035         \ignorespaces#2%

```



```

5036     }%
5037     \color@endgroup%
5038 }%
5039}%
5040}
5041%
5042% Define \sidenote command. Can handle \cite.
5043\newlength{\@bidityftesidenote@sidenote@vertical@offset}
5044\setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5045% #1 = footnote num, #2 = vertical offset, #3 = footnote text
5046\long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5047  \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5048  \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5049  \ifthenelse{NOT\isempty{#2}}{%
5050    \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5051  }{%
5052    \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5053  }%
5054  \ifthenelse{\isempty{#1}}{%
5055    % no specific footnote number provided
5056    \stepcounter\@mpfn%
5057    \protected@xdef\@thefnmark{\thempfn}%
5058    \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5059  }{%
5060    % specific footnote number provided
5061    \begingroup%
5062      \csname c@\@mpfn\endcsname #1\relax%
5063      \unrestored@protected@xdef\@thefnmark{\thempfn}%
5064    \endgroup%
5065    \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5066  }%
5067  \@bidityftesidenote@print@citations%             print any citations
5068  \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5069  \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5070  \let\RTLcite\@bidityfteRTLSidenote@normal@cite%  go back to using normal in-text \RTLcite
5071  \unskip\ignorespaces%                            remove extra white space
5072  \kern-\multiplefootnotemarker%                   remove \kern left behind by sidenote
5073  \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5074}
5075\long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5076  \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5077  \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5078  \ifthenelse{NOT\isempty{#2}}{%
5079    \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5080  }{%
5081    \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5082  }%
5083  \ifthenelse{\isempty{#1}}{%
5084    % no specific footnote number provided
5085    \stepcounter\@mpfn%

```



```

5086 \protected@xdef\@thefnmark{\thempfn}%
5087 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5088 }{%
5089 % specific footnote number provided
5090 \begingroup%
5091 \csname c@\@mpfn\endcsname #1\relax%
5092 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5093 \endgroup%
5094 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5095 }%
5096 \@bidityftesidenote@print@citations% print any citations
5097 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5098 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5099 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5100 \unskip\ignorespaces% remove extra white space
5101 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5102 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5103 }
5104 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5105 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5106 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5107 \ifthenelse{\NOT\isempty{#2}}{%
5108 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5109 }{%
5110 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5111 }%
5112 \ifthenelse{\isempty{#1}}{%
5113 % no specific footnote number provided
5114 \stepcounter\@mpfn%
5115 \protected@xdef\@thefnmark{\thempfn}%
5116 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5117 }{%
5118 % specific footnote number provided
5119 \begingroup%
5120 \csname c@\@mpfn\endcsname #1\relax%
5121 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5122 \endgroup%
5123 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5124 }%
5125 \@bidityftesidenote@print@citations% print any citations
5126 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5127 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5128 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5129 \unskip\ignorespaces% remove extra white space
5130 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5131 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5132 }
5133 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
5134 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
5135 \newcommand{\RTLSidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}

```



```

5136 \bidi@patch@AfterPackage{bidi}{%
5137 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
5138 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
5139 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
5140 }
5141 %%
5142 % Sidenote without the footnote mark
5143 \newcommand\marginnote[2] [Opt]{%
5144   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5145   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
5146   \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
5147   \@bidityftesidenote@print@citations%            print any citations
5148   \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite command
5149   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5150   \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5151 }
5152 \newcommand\LTRmarginnote[2] [Opt]{%
5153   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5154   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
5155   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@print@citations%
5156   \@bidityftesidenote@print@citations%            print any citations
5157   \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite command
5158   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5159   \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5160 }
5161 \newcommand\RTLMarginnote[2] [Opt]{%
5162   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5163   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
5164   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLMarginnote@font\@bidityftesidenote@print@citations%
5165   \@bidityftesidenote@print@citations%            print any citations
5166   \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite command
5167   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5168   \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5169 }

```

23 File bidityftetoc.sty

```

5170 \NeedsTeXFormat{LaTeX2e}
5171 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5172 bidi implementation of tufte toc]
5173 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5174 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5175 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5176 %%
5177 % Turn off section numbering
5178 \setcounter{secnumdepth}{-1}
5179 \newboolean{@bidityftetoc@toc}
5180 \setboolean{@bidityftetoc@toc}{true}
5181 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
5182 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}

```



```

5183 \ProcessOptions
5184 %%
5185 % Make Tufte-style section headings and TOC formatting
5186 \bidi@patch@AfterPackage{bidi}{%
5187 \titleformat{\chapter}%
5188 [display]% shape
5189 {\relax\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\begin{fullwidth}}{}}% format applied to label+text
5190 {\itshape\huge\thechapter}% label
5191 {0pt}% horizontal separation between label and title body
5192 {\huge\rmfamily\itshape}% before the title body
5193 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}}% after the title body
5194 \titleformat{\section}%
5195 [hang]% shape
5196 {\normalfont\Large\itshape}% format applied to label+text
5197 {\thesection}% label
5198 {1em}% horizontal separation between label and title body
5199 {}% before the title body
5200 []% after the title body
5201 \titleformat{\subsection}%
5202 [hang]% shape
5203 {\normalfont\large\itshape}% format applied to label+text
5204 {\thesubsection}% label
5205 {1em}% horizontal separation between label and title body
5206 {}% before the title body
5207 []% after the title body
5208 \titleformat{\paragraph}%
5209 [runin]% shape
5210 {\normalfont\itshape}% format applied to label+text
5211 {\theparagraph}% label
5212 {1em}% horizontal separation between label and title body
5213 {}% before the title body
5214 []% after the title body
5215 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5216 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5217 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5218 }
5219 % Subsubsection and following section headings shouldn't be used.
5220 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5221 \renewcommand\subsubsection{%
5222 \biditytfloatError{\noexpand\subsubsection is undefined by this class.%
5223 \MessageBreak See Robert Bringhurst's _The Elements of
5224 \MessageBreak Typographic Style_, section 4.2.2.
5225 \MessageBreak \noexpand\subsubsection was used}
5226 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5227 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the man
5228 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytfloat.com/.}
5229 }
5230 \renewcommand\subparagraph{%
5231 \biditytfloatError{\noexpand\subparagraph is undefined by this class.%
5232 \MessageBreak See Robert Bringhurst's _The Elements of

```



```

5233 \MessageBreak Typographic Style_, section 4.2.2.
5234 \MessageBreak \noexpand\subparagraph was used}
5235 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5236 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5237 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5238 }
5239 % Formatting for main TOC (printed in front matter)
5240 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5241 \ifthenelse{\boolean{@biditytetoc@toc}}{%
5242 \bidity@patch@AfterPackage{bidity}{%
5243 \titlecontents{part}% FIXME
5244 [0em] % distance from left margin
5245 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5246 {\contentslabel{2em}} % before w/label (label = ``II'')
5247 {} % before w/o label
5248 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5249 [\end{fullwidth}] % after
5250 \titlecontents{chapter}%
5251 [0em] % distance from left margin
5252 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5253 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5254 {\hspace*{0em}} % before w/o label
5255 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5256 [\end{fullwidth}] % after
5257 \titlecontents{section}% FIXME
5258 [0em] % distance from left margin
5259 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5260 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5261 {\hspace*{2em}} % before w/o label
5262 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5263 [\end{fullwidth}] % after
5264 \titlecontents{subsection}% FIXME
5265 [0em] % distance from left margin
5266 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5267 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5268 {\hspace*{4em}} % before w/o label
5269 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5270 [\end{fullwidth}] % after
5271 \titlecontents{paragraph}% FIXME
5272 [0em] % distance from left margin
5273 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global for
5274 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5275 {\hspace*{6em}} % before w/o label
5276 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5277 [\end{fullwidth}] % after
5278 }%
5279 }{}
5280 %%
5281 % Format lists of figures/tables
5282 \renewcommand\listoffigures{%

```



```

5283 \ifundefined{chapter}%
5284   {\section*{\listfigurename}}%
5285   {\chapter*{\listfigurename}}%
5286 % \begin{fullwidth}%
5287   \@starttoc{lof}%
5288 % \end{fullwidth}%
5289 }
5290 \renewcommand\listoftables{%
5291   \ifundefined{chapter}%
5292     {\section*{\listtablename}}%
5293     {\chapter*{\listtablename}}%
5294 % \begin{fullwidth}%
5295   \@starttoc{lot}%
5296 % \end{fullwidth}%
5297 }
5298 \newcommand{\@bidityfttoc@lof@line}[2]{%
5299   % #1 is the figure/table number and its caption text
5300   % #2 is the page number on which the figure/table appears
5301   \leftskip 0.0em
5302   \rightskip 0em
5303   \parfillskip 0em plus 1fil
5304   \parindent 0.0em
5305   \@afterindenttrue
5306   \interlinepenalty\@M
5307   \leavevmode
5308   \@tempdima 2.0em
5309   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5310   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5311   {#1}\nobreak\quad\nobreak#2%
5312   \par%
5313 }
5314 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5315 \let\l@table\l@figure

```

24 File bidityftgeneralstructure.sty

```

5316 \NeedsTeXFormat{LaTeX2e}
5317 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5318 bidi implementation of tufte general structure]
5319 \renewcommand\small{%
5320   \@setfontsize\small\@ixpt{12}%
5321   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5322   \abovedisplayshortskip \z@ \@plus2\p@
5323   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5324   \def\@listi{\leftmargin\leftmargini
5325               \topsep 4\p@ \@plus2\p@ \@minus2\p@
5326               \parsep 2\p@ \@plus\p@ \@minus\p@
5327               \itemsep \parsep}%
5328   \belowdisplayskip \abovedisplayskip
5329 }

```




```

5330 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
5331 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vipt}
5332 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5333 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5334 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5335 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5336 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5337 \setlength\leftmargini {1pc}
5338 \setlength\leftmarginii {1pc}
5339 \setlength\leftmarginiii {1pc}
5340 \setlength\leftmarginiv {1pc}
5341 \setlength\leftmarginv {1pc}
5342 \setlength\leftmarginvi {1pc}
5343 \setlength\labelsep {0.5pc}
5344 \setlength\labelwidth {\leftmargini}
5345 \addtolength\labelwidth{-\labelsep}
5346 \setlength{\parindent}{1.0pc}%
5347 \setlength{\parskip}{0pt}%
5348 \RequirePackage{ragged2e}
5349 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hspace}
5350 % Paragraph indentation and separation for normal text
5351 \newcommand{\@bidituftegeneralstructure@reset@par}{%
5352   \setlength{\RaggedRightParindent}{1.0pc}%
5353   \setlength{\JustifyingParindent}{1.0pc}%
5354   \setlength{\parindent}{1pc}%
5355   \setlength{\parskip}{0pt}%
5356 }
5357 \@bidituftegeneralstructure@reset@par
5358 % Require paralist package for tighter lists
5359 \RequirePackage{paralist}
5360 % Add rightmargin to compactenum
5361 \def\@compactenum{%
5362   \expandafter\list\csname label\@enumctr\endcsname{%
5363     \usecounter{\@enumctr}%
5364     \rightmargin=2em% added this
5365     \parsep\plparsep
5366     \itemsep\plitemsep
5367     \topsep\pltopsep
5368     \partopsep\plpartopsep
5369     \def\makelabel##1{\hss\llap{##1}}}}
5370 %%
5371 % An environment for paragraph-style section
5372 \providecommand\newthought[1]{%
5373   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5374   \noindent\textbf{#1}%
5375 }
5376 %%
5377 % Redefine the display environments (quote, quotation, etc.)
5378 \renewenvironment{verse}
5379   {\let\\\@centercr

```



```

5380         \list{}{\itemsep      \z@
5381             \itemindent    -1pc%
5382             \listparindent\itemindent
5383             \rightmargin \leftmargin
5384             \advance\leftmargin 1pc}%
5385         \small%
5386         \item\relax}
5387     {\endlist}
5388 \renewenvironment{quotation}
5389     {\list{}{\listparindent 1pc%
5390         \itemindent    \listparindent
5391         \rightmargin    \leftmargin
5392         \parsep         \z@ \@plus\p@}%
5393         \small%
5394         \item\relax\noindent\ignorespaces}
5395     {\endlist}
5396 \renewenvironment{quote}
5397     {\list{}{\rightmargin\leftmargin}%
5398         \small%
5399         \item\relax}
5400     {\endlist}
5401 % Italicize description run-in headings (instead of the default bold)
5402 \renewcommand*{\descriptionlabel[1]}{\hspace\labelsep\normalfont\em #1}
5403 %%
5404 % Redefine \bibsection to not mark the running heads.
5405 % (Code modified from natbib.sty.)
5406 \@ifundefined{chapter}%
5407     {\renewcommand\bibsection{\section*{\refname}}}
5408     {\@ifundefined{NAT@sectionbib}%
5409         {\renewcommand\bibsection{\chapter{\bibname}}}
5410         {\renewcommand\bibsection{\section*{\bibname}}}}
5411 \RequirePackage{multicol}
5412 \renewenvironment{theindex}{%
5413     \@ifundefined{chapter}%
5414         {\section*{\indexname}}%
5415         {\chapter{\indexname}}%
5416     \begin{fullwidth}%
5417     \small%
5418     \parskip0pt%
5419     \parindent0pt%
5420     \let\item\@idxitem%
5421     \begin{multicols}{3}%
5422 }{%
5423     \end{multicols}%
5424     \end{fullwidth}%
5425 }
5426 \AtBeginDocument{%
5427 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5428 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5429 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}}

```



```

5430 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5431 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

25 File `bidituftehyperref.sty`

```

5432 \NeedsTeXFormat{LaTeX2e}
5433 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5434 bidi implementation of tufte hyperref]
5435 %%
5436 % Color
5437 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5438 \newboolean{@bidituftehyperref@loadhyper}
5439 \setboolean{@bidituftehyperref@loadhyper}{true}
5440 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5441 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
5442 \ProcessOptions
5443 %% Loads the hyperref package and sets some default options.
5444 \newcommand{\bidituftehyperrefLoadHyperref}{%
5445 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5446 \hypersetup{%
5447     bookmarksdepth = section,
5448     citecolor = DarkGreen,
5449     linkcolor = DarkBlue,
5450 %     pagecolor = DarkBlue,
5451     urlcolor = DarkGreen,
5452 }%
5453 }
5454 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
5455 \bidituftehyperrefLoadHyperref%
5456 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5457 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5458 }

```

26 File `bidituftetitle.sty`

```

5459 \NeedsTeXFormat{LaTeX2e}
5460 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
5461 bidi implementation of tufte title]
5462 \RequirePackage{biditools}
5463 %%
5464 % `titlepage' option -- creates a full title page with \maketitle
5465 \newboolean{@bidituftetitle@titlepage}
5466 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
5467 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
5468 % Default `book' and `handout' options
5469 \ifclassloaded{book}{%
5470 \ExecuteOptions{titlepage}}{%
5471 \ifclassloaded{article}{%
5472 \ExecuteOptions{notitlepage}}%
5473 {}

```



```

5474 \ProcessOptions
5475 %%
5476 % Modified \title, \author, and \date commands. These store the
5477 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
5478 \newcommand{\plaintitle}{}% plain-text-only title
5479 \newcommand{\plainauthor}{}% plain-text-only author
5480 \newcommand{\plainpublisher}{}% plain-text-only publisher
5481 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5482 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5483 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5484 \newcommand{\@publisher}{}% full publisher with \thanks{}
5485 \newcommand{\thedata}{\today}
5486 \bidi@patch@AfterPackage{bidi}{}%
5487 \renewcommand{\thanks}[1]{\footnote{#1}}
5488 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5489 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5490 }
5491 \renewcommand{\title}[2][]{%
5492 \gdef\@title{#2}%
5493 \begingroup%
5494 % TODO store contents of \thanks command
5495 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5496 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5497 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5498 \protected@xdef\thanklesstitle{#2}%
5499 \endgroup%
5500 \ifthenelse{\isempty{#1}}{%
5501 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5502 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5503 \@ifundefined{hypersetup}%
5504 {}% hyperref is not loaded; do nothing
5505 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5506 }
5507 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5508 \renewcommand{\author}[2][]{%
5509 \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
5510 \begingroup%
5511 % TODO store contents of \thanks command
5512 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5513 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5514 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5515 \protected@xdef\thanklessauthor{#2}%
5516 \endgroup%
5517 \ifthenelse{\isempty{#1}}{%
5518 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5519 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5520 \@ifundefined{hypersetup}%
5521 {}% hyperref is not loaded; do nothing
5522 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5523 }

```



```

5524 \renewcommand{\date}[1]{%
5525   \gdef\@date{#1}%
5526   \begingroup%
5527     % TODO store contents of \thanks command
5528     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5529     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5530     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5531     \protected@xdef\thedata{#1}%
5532   \endgroup%
5533 }
5534 %%
5535 % Provides a \publisher command to set the publisher
5536 \newcommand{\publisher}[2][]{%
5537   \gdef\@publisher{#2}%
5538   \begingroup%
5539     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5540     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5541     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5542     \protected@xdef\thanklesspublisher{#2}%
5543   \endgroup%
5544   \ifthenelse{\isempty{#1}}{
5545     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5546     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5547 }
5548 %%
5549 % Produces a full title page
5550 \newcommand{\maketitlepage}[0]{%
5551   \cleardoublepage%
5552   {%
5553     \bfseries%
5554     \begin{fullwidth}%
5555       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5556       \vspace{11.5pc}%
5557       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5558       \vfill%
5559       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5560     \end{fullwidth}%
5561   }
5562   \thispagestyle{empty}%
5563   \clearpage%
5564 }
5565 %%
5566 % Title block
5567 \bidi@AfterEndPreamble{%
5568 \renewcommand{\maketitle}{%
5569   \newpage%
5570   \global\@topnum\z@% prevent floats from being placed at the top of the page
5571   \begingroup%
5572     \setlength{\parindent}{0pt}%
5573     \setlength{\parskip}{4pt}%

```



```

5574 \let\@@title\@empty%
5575 \let\@@author\@empty%
5576 \let\@@date\@empty%
5577 \gdef\@@title{\LARGE\itshape\@title\par}%
5578 \gdef\@@author{\Large\itshape\@author\par}%
5579 \gdef\@@date{\Large\itshape\@date\par}%
5580 \@@title%
5581 \@@author%
5582 \@@date%
5583 \endgroup%
5584 \thispagestyle{plain}% suppress the running head
5585 }%
5586 }
5587 %%
5588 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5589 % class.)
5590 \bidentitetitle\AfterEndPreamble{%
5591 \ifthenelse{\boolean{\bidentitetitle@titlepage}}
5592 {\renewcommand{\maketitle}{\maketitlepage}}
5593 {}
5594 }
5595 %%
5596 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5597 % without headers and footers
5598 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5599 \hbox{}
5600 %\vspace*{\fill}
5601 %\begin{center}
5602 % This page intentionally contains only this sentence.
5603 %\end{center}
5604 %\vspace{\fill}
5605 \thispagestyle{empty}
5606 \newpage
5607 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

27 File bidentufte-handout.cls

```

5608 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5609 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5610 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5611 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5612 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5613 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5614 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5615 \ProcessOptions\relax
5616 \LoadClass{article}
5617 \RequirePackage{bidentuftefloat}
5618 \RequirePackage{bidentuftesidenote}
5619 \RequirePackage{bidentuftetoc}
5620 \RequirePackage{bidentuftegeneralstructure}

```



```

5621 \RequirePackage{bidiutftehyperref}
5622 \RequirePackage{bidiutftetitle}
5623 \renewenvironment{abstract}
5624   {\begin{quotation}}
5625   {\end{quotation}}
5626 \AtBeginDocument{%
5627 \IfFileExists{bidiutfte-handout.cfg}
5628   {\input{bidiutfte-handout.cfg}
5629    \ClassInfo{bidiutfte-handout}{Loading bidiutfte-handout configuration file \@gobble}}
5630   {}%
5631 }

```

28 File bidiutfte-book.cls

```

5632 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5633 \ProvidesClass{bidiutfte-book}[2011/06/18 v0.1 bidiutfte-book class]
5634 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5635 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiutftefloat}}
5636 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiutftetoc}}
5637 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiutftehyperref}}
5638 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiutftetitle}}
5639 \ProcessOptions\relax
5640 \LoadClass{book}
5641 \RequirePackage{bidiutftefloat}
5642 \RequirePackage{bidiutftesidenote}
5643 \RequirePackage{bidiutftetoc}
5644 \RequirePackage{bidiutftegeneralstructure}
5645 \RequirePackage{bidiutftehyperref}
5646 \RequirePackage{bidiutftetitle}
5647 %%
5648 % Set up any book-specific stuff now
5649 %%
5650 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5651 % to the opening page of Chapter 1. The running heads, when they appear,
5652 % contain only the (arabic) page number in the outside corner.
5653 %\newif\if@mainmatter \@mainmattertrue
5654 \renewcommand\frontmatter{%
5655   \cleardoublepage%
5656   \@mainmatterfalse%
5657   \pagenumbering{arabic}%
5658   %\pagestyle{plain}%
5659   \fancyhf{}%
5660   \ifthenelse{\boolean{@bidiutftefloat@twoside}}%
5661     {\fancyhead[LE,RO]{\thepage}}%
5662     {\fancyhead[RE,RO]{\thepage}}%
5663 }
5664 %%
5665 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5666 % numbering---it continues where it left off in the front matter.
5667 \renewcommand\mainmatter{%

```



```

5668 \cleardoublepage%
5669 \@mainmattertrue%
5670 \fancyhf{}%
5671 \ifthenelse{\boolean{@bidituftefloat@twoside}}%
5672     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5673     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5674     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5675     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}% book title
5676 }
5677 %%
5678 % The back matter contains appendices, indices, glossaries, endnotes,
5679 % bibliographies, list of contributors, illustration credits, etc.
5680 \renewcommand\backmatter{%
5681     \if@openright%
5682         \cleardoublepage%
5683     \else%
5684         \clearpage%
5685     \fi%
5686 \@mainmatterfalse%
5687 }
5688 %%
5689 % Only show the chapter titles in the table of contents
5690 \setcounter{tocdepth}{0}
5691 \AtBeginDocument{%
5692 \IfFileExists{biditufte-book.cfg}
5693     {\input{biditufte-book.cfg}
5694      \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5695     {}%
5696 }

```

29 File bidipoem.sty

```

5697 \NeedsTeXFormat{LaTeX2e}
5698 \ProvidesPackage{bidipoem}%
5699 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5700
5701 % Usage:
5702 %
5703 % \Setversedim #1#2 % define the layout (within a group):
5704 % #1 = length of both half-verses
5705 % #2 = separation distance = length of a connection, if present
5706 % Variant:
5707 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5708 % #1 = length of first (=right) half-verse
5709 % #2 = length of second (=left) half-verse
5710 % #3 = separation distance = length of a connection, if present
5711 %
5712 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5713 % #1 = text of first (=right) half-verse
5714 % #2 = text of second (=left) half-verse

```




```

5715% Variant:
5716% \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5717% #1 = text of first (=right) half-verse
5718% #2 = text of connection
5719% #3 = text of second (=left) half-verse
5720%
5721% Alternative (if preferred):
5722%
5723% \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5724
5725
5726\newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5727
5728% define the layout, verses will be centered
5729
5730\newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5731\newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5732
5733\newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5734\bidipoem@hvind \textwidth
5735\bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5736\ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5737\bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
5738
5739\def \bidipoem@set@verseI [#1]{% optional parameter
5740\bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5741
5742\newcommand*{\bidipoem@set@@verse}[1]{% separation
5743\advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5744\advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5745
5746\newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5747\ifdim Opt > \bidipoem@hvind %
5748\bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5749\else
5750\noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5751\bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5752\bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5753\par }
5754
5755% macro for two half verses
5756\newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5757\ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
5758\else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5759\bidipoem@half@verses@next}
5760
5761\def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5762\traditionalconnverses {#1}{#2}{#3}}
5763
5764

```



```

5765 {\catcode\^M=\active % these lines must end with %
5766 \gdef\traditionalpoem@obeylines{\catcode\^M\active \let\^M\traditionalpoem@par}%
5767 \global\let\^M\traditionalpoem@par} % this is in case ^M appears in a \write
5768 {\catcode\^M=\active % these lines must end with %
5769 \gdef\modernpoem@obeylines{\catcode\^M\active \let\^M\modernpoem@par}%
5770 \global\let\^M\modernpoem@par} % this is in case ^M appears in a \write
5771 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5772 \def\poemmarginsskip{1em plus 1fil minus 1em}
5773 \def\poemextrabaselineskip{0\baselineskip}
5774 \def\poemskip{\medskip}
5775 \newcommand{\bidipoem@openbox}{\leavevmode
5776 \hbox to.77778em{%
5777 \hfil\vrule
5778 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5779 \vrule\hfil}}
5780 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5781 \newdimen\versewidth
5782 \newtoks\bidipoem@p@ftn
5783 \def\poem@verse#1{%
5784 \ifdim\wd#1>\new@poem@width
5785 \xdef\new@poem@width{\the\wd#1}%
5786 \ifdim\new@poem@width>\poem@width
5787 \xdef\poem@width{\new@poem@width}%
5788 \global\let\poem@needrun\relax
5789 \fi
5790 \fi
5791 \hbox to\poem@width{\unhbox#1}%
5792 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5793 }
5794 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmarginsskip\relax}
5795 \def\poem@lineend{\nobreak\hskip\poemmarginsskip\hskip\@flushglue\vadjust{}}
5796 \def\poem@lineversesep{%
5797 \nobreak
5798 \hskip\z@ plus 1filll%
5799 \penalty600%
5800 \hskip\poemcolsepskip
5801 \hskip\z@ plus -2filll%
5802 \vadjust{}}%
5803 \nobreak
5804 \hskip\z@ plus 1filll%
5805 }
5806 \def\poem@lineparsebegin{%
5807 \halign\bgroup
5808 \global\setbox\verse@i=\hbox{%
5809 \let\@footnotetext\bidipoem@p@ftntext%
5810 \let\@LTrfootnotetext\bidipoem@p@LTRftntext%
5811 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5812 \let\@xfootnotenext\bidipoem@p@xftntext%
5813 \let\@xfootnote\bidipoem@p@xfootnote%
5814 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%

```



```

5815 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5816 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5817 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5818 \ignorespaces##\unskip}&&
5819 \global\setbox\verse@ii=\hbox{%
5820 \let\@footnotetext\bidipoem@p@ftntext%
5821 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5822 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5823 \let\@xfootnotenext\bidipoem@p@xftntext%
5824 \let\@xfootnote\bidipoem@p@xfootnote%
5825 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5826 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5827 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5828 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5829 \ignorespaces##\unskip}
5830 \cr
5831 }
5832 \def\poem@lineparseend{%
5833 \crr\egroup
5834 \vskip-\baselineskip
5835 }
5836 \def\traditionalpoem@cr{%
5837 \cr\poem@line
5838 }
5839 \newbox\verse@i
5840 \newbox\verse@ii
5841 \newif\ifpoem@started
5842
5843 \def\poem@line{%
5844 \poem@lineparseend
5845 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5846 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5847 \ifpoem@started
5848 \ifdim\wd\verse@ii>\z@\else
5849 \nopagebreak[3]
5850 \fi
5851 \leavevmode
5852 \poem@linebegin
5853 \poem@verse\verse@i
5854 \ifdim\wd\verse@ii>\z@
5855 \poem@lineversesep
5856 \poem@verse\verse@ii
5857 \fi
5858 \poem@lineend
5859 % \nopagebreak
5860 \par
5861 \vskip\poemextrabaselineskip
5862 \fi
5863 \poem@lineparsebegin
5864 }

```



```

5865 \def\@traditionalpoem{%
5866 \stepcounter{poem@no}
5867 \ifnum\max@poem@no<\number\c@poem@no%
5868 \xdef\poem@width{\z@}%
5869 \else
5870 \xdef\poem@width{\poem@prop{poem@width}}%
5871 \fi
5872 \xdef\new@poem@width{\z@}%
5873 \global\versewidth=\poem@width
5874 \poemskip\par
5875 \begingroup
5876 \tabskip=\z@
5877 \parskip=\z@
5878 \parindent=\z@
5879 \parfillskip=\z@
5880 \rightskip=\z@
5881 \leftskip=\z@
5882 \widowpenalty=10000% No break between verses of the same line.
5883 \clubpenalty=10000% Same as above. Not really needed.
5884 \def\newblock{\hfil\poemblocksep\hfil\null}%
5885 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5886 \def\{\{\global\poem@startedtrue\traditionalpoem@cr\}%
5887 \global\poem@startedfalse
5888 \csname poem@obeylines\endcsname
5889 \let\poem@obeylines\relax
5890 \poem@lineparsebegin
5891 }
5892 \def\@endtraditionalpoem{%
5893 \cr
5894 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5895 \noalign{%
5896 \skip0=\poemextrabaseskip
5897 \vskip-\skip0
5898 \vskip-\baseskip
5899 }%
5900 \fi\fi
5901 \poem@lineparseend
5902 \endgroup
5903 \par
5904 \vskip\baseskip
5905 \poemskip
5906 \if@nparlist \else
5907 \ifdim\lastskip >\z@
5908 \@tempskipa\lastskip \vskip -\lastskip
5909 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5910 \vskip\@tempskipa
5911 \fi
5912 \@endparenv
5913 \fi
5914 \ifdim\new@poem@width<\poem@width

```



```

5915 \global\let\poem@needrun\relax
5916 \fi
5917     \poem@write@aux{poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
5918 \ifx\AtEndDocument\undefined\poem@finish\fi
5919 }
5920
5921
5922 \long\def\bidipoem@p@ftntext#1{%
5923     \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
5924     \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5925 \long\def\bidipoem@p@LTRftntext#1{%
5926     \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5927     \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5928 \long\def\bidipoem@p@RTLftntext#1{%
5929     \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5930     \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5931
5932 \long\def\bidipoem@p@xftntext[#1]#2{%
5933     \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5934
5935 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5936     \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5937
5938 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5939     \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5940
5941 \def\bidipoem@p@xfootnote[#1]{%
5942     \begingroup
5943         \csname c@\@mpfn\endcsname #1\relax
5944         \unrestored@protected@xdef\@thefnmark{\thempfn}%
5945     \endgroup
5946     \@footnotemark\bidipoem@p@xftntext[#1]}
5947
5948 \def\bidipoem@p@xLTRfootnote[#1]{%
5949     \begingroup
5950         \csname c@\@mpfn\endcsname #1\relax
5951         \unrestored@protected@xdef\@thefnmark{\thempfn}%
5952     \endgroup
5953     \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5954
5955 \def\bidipoem@p@xRTLfootnote[#1]{%
5956     \begingroup
5957         \csname c@\@mpfn\endcsname #1\relax
5958         \unrestored@protected@xdef\@thefnmark{\thempfn}%
5959     \endgroup
5960     \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5961
5962
5963
5964 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}

```



```

5965 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
5966 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5967 \def\poem@finish{%
5968 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5969 \ifx\poem@needrun\relax
5970 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5971 \global\let\poem@needrun\undefined
5972 \fi
5973 }
5974 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5975 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5976 \ifx\max@poem@no\undefined
5977     \def\max@poem@no{0}%
5978 \fi
5979 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
5980 \newcommand{\poem@write@aux}[2]{%
5981     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5982     \@x
5983 }
5984 \def\@modernpoem{%
5985 \par
5986 \begingroup
5987 \parskip=\z@
5988 \parindent=\z@
5989 \def\[{ \@settab\@tabplus\ignorespaces}%
5990 \def\]\{ \@tabminus\ignorespaces}%
5991 \def\newblock{\poemblocksep}%
5992 \let\newpoem@tabcr\@tabcr
5993 \def\modernpoem@par{% Redefine \par for possible \obeylines
5994 \ifpoem@started\else
5995     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5996         \@stopfield
5997         \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5998         \@contfield
5999     \fi
6000 \fi
6001 \ifpoem@started\newpoem@tabcr\fi}%
6002 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6003 \global\poem@startedfalse
6004 \csname poem@obeylines\endcsname
6005 \let\poem@obeylines\relax
6006 \begin{tabbing}%
6007 }
6008 \def\@endmodernpoem{%
6009 \global\poem@startedfalse
6010 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6011     \@stopfield
6012     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6013     \@contfield
6014 \fi

```



```

6015 \ifpoem@started\else\let\@stopline\@stopfield\fi
6016 \end{tabbing}%
6017 \endgroup
6018 \par
6019 \if@nparlist \else
6020 \ifdim\lastskip >\z@
6021 \@tempskipa\lastskip \vskip -\lastskip
6022 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6023 \vskip\@tempskipa
6024 \fi
6025 \@endparenv
6026 \fi
6027 }
6028 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6029 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
6030 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6031 \gdef\@startfield{%
6032 \global\setbox\@curfield\hbox\bgroup%
6033 \let\@footnotetext\bidipoem@p@ftntext%
6034 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6035 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6036 \let\@xfootnotenext\bidipoem@p@xftntext%
6037 \let\@xfootnote\bidipoem@p@xfootnote%
6038 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6039 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6040 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6041 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6042 \color@begingroup}
6043 \gdef\@stopfield{%
6044 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6045 \gdef\@contfield{%
6046 \global\setbox\@curfield\hbox\bgroup%
6047 \let\@footnotetext\bidipoem@p@ftntext%
6048 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6049 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6050 \let\@xfootnotenext\bidipoem@p@xftntext%
6051 \let\@xfootnote\bidipoem@p@xfootnote%
6052 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6053 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6054 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6055 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6056 \color@begingroup\unhbox\@curfield}

```

30 File boek3-xetex-bidi.def

```

6057 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6058 \renewenvironment{theindex}{%
6059 \if@twocolumn
6060 \@restonecolfalse
6061 \else

```



```

6062 \@restonecoltrue
6063 \fi
6064 \columnseprule \z@
6065 \columnsep 35\p@
6066 \twocolumn[\@makeschapterhead{\indexname}]%
6067 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6068 \thispagestyle{plain}\parindent\z@
6069 \parskip\z@ \@plus .3\p@\relax
6070 \let\item\@idxitem
6071 }{%
6072 \if@restonecol\onecolumn\else\clearpage\fi}
6073 \renewcommand*{\head@style}{%
6074 \interlinepenalty \@M
6075 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6076 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6077 \renewcommand*{\@regtocline}[3]{%
6078 \ifnum #1>\c@tocdepth
6079 \else
6080 \vskip\z@ \@plus.2\p@
6081 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6082 \if@RTL\rightskip\else\leftskip\fi\unitindent
6083 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6084 \parfillskip\z@
6085 \@tempdima\unitindent
6086 \parindent\z@
6087 \leavevmode
6088 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6089 \hskip 1em \nobreak{\slshape #3}\par
6090 }%
6091 \fi}
6092 \if@oldtoc
6093 \renewcommand*{\l@part}[2]{%
6094 \ifnum \c@tocdepth >-2\relax
6095 \addpenalty{-\@highpenalty}%
6096 \addvspace{2.25em \@plus\p@}%
6097 \begingroup
6098 \setlength{\@tempdima}{3em}%
6099 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6100 \parfillskip -\@pnumwidth
6101 {\leavevmode
6102 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6103 \nobreak
6104 \global\@nobreaktrue
6105 \everypar{\global\@nobreakfalse\everypar{}}%
6106 \endgroup
6107 \fi}
6108 \else
6109 \renewcommand*{\l@part}{%
6110 \ifnum \c@tocdepth >-2\relax
6111 \addpenalty{-\@highpenalty}%

```




```

6112     \addvspace{2.25em \@plus \p@}%
6113     \@regtocline{0}%
6114   \fi}
6115 \fi
6116 \if@oldtoc
6117 \renewcommand*\l@chapter[2]{%
6118   \addpenalty{-\@highpenalty}%
6119   \vskip 1.0em \@plus\p@
6120   \setlength\@tempdima{1.5em}%
6121   \begingroup
6122   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6123   \parfillskip -\@pnumwidth
6124   \leavevmode \bfseries
6125   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6126   \hskip -\if@RTL\rightskip\else\leftskip\fi
6127   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6128   \penalty\@highpenalty
6129   \endgroup}
6130 \else
6131   \renewcommand*\l@chapter{\@regtocline{0}}
6132 \fi
6133 \renewenvironment{abstract}{%
6134   \titlepage
6135   \null\vfil
6136   \section*{\SectFont \abstractname}
6137   \noindent\ignorespaces}
6138   {\par\vfil\null\endtitlepage}
6139 \renewenvironment{thebibliography}[1]
6140   {\chapter*{\bibname}%
6141     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6142     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6143     \bidi@@thebibliography@font@hook%
6144     \list{\@biblabel{\@arabic\c@enumiv}}%
6145       {\settowidth\labelwidth{\@biblabel{#1}}%
6146        \leftmargin\labelwidth
6147        \advance\leftmargin\labelsep
6148        \@openbib@code
6149        \usecounter{enumiv}%
6150        \let\p@enumiv\@empty
6151        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6152     \sloppy\clubpenalty4000\widowpenalty4000%
6153     \sfcode`.\@m}
6154   {\def\@noitemerr
6155     {\@latex@warning{Empty `thebibliography' environment}}%
6156     \endlist}
6157 \renewcommand*\left@footnoterule{%
6158   \kern-3\p@
6159   \kern.5\baselineskip
6160   \hrule\@width\unitindent
6161   \kern.4\baselineskip

```



```

6162 }
6163 \renewcommand*\right@footnoterule{%
6164   \kern-3\p@
6165   \kern.5\baselineskip
6166   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6167   \kern.4\baselineskip}
6168 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6169 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6170 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6171 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6172 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6173 \renewcommand*\theequation{%
6174   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6175 \renewcommand*\thefigure{%
6176   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6177 \renewcommand*\thetable{%
6178   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6179 \renewcommand*\maketitle{%
6180   \begin{titlepage}%
6181     \let\footnotesize\small
6182     \let\right@footnoterule\relax
6183     \let\left@footnoterule\relax
6184     \let\textwidth\footnoterule\relax
6185     \let \footnote \thanks
6186     \long\def\@makefnmark##1{\parindent\z@
6187       \def\labelitemi{\textendash}\@revlabeltrue
6188       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6189     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6190     \if@compatibility\setcounter{page}{0}\fi
6191     \null\vfil
6192     \vskip 60\p@
6193     \begin{center}%
6194       \TitleFont
6195       {\LARGE \def\\{\penalty -\@M}
6196         \if@allcaps
6197           \expandafter\uc@nothanks\@title\thanks\relax
6198         \else
6199           \@title
6200         \fi\par}%
6201     \vskip 3em%
6202     {\large
6203       \lineskip .75em \parindent\z@
6204       \begin{tabular}[t]{c}%
6205         \if@allcaps
6206           \expandafter\uc@author\@author\and\relax
6207         \else
6208           \@author
6209         \fi
6210       \end{tabular}\par}%
6211     \vskip 1.5em%

```



```

6212     {\large
6213       \if@allcaps
6214         \uppercase\expandafter{\@date}%
6215       \else
6216         \@date
6217       \fi\par}%
6218     \end{center}\par
6219     \@thanks
6220     \vfil\null
6221   \end{titlepage}%
6222   \setcounter{footnote}{0}%
6223   \global\let\thanks\relax
6224   \global\let\maketitle\relax
6225   \global\let\@thanks\@empty
6226   \global\let\@author\@empty
6227   \global\let\@title\@empty
6228   \global\let\@date\@empty
6229   \global\let\title\relax
6230   \global\let\author\relax
6231   \global\let\date\relax
6232   \global\let\and\relax
6233 }

```

31 File boek-xetex-bidi.def

```

6234 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX e
6235 \renewenvironment{theindex}{%
6236   \if@twocolumn
6237     \@restonecolfalse
6238   \else
6239     \@restonecoltrue
6240   \fi
6241   \columnseprule \z@
6242   \columnsep 35\p@
6243   \twocolumn[\@makeschapterhead{\indexname}]%
6244   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6245   \thispagestyle{plain}\parindent\z@
6246   \parskip\z@ \@plus .3\p@\relax
6247   \let\item\@idxitem
6248 }{%
6249   \if@restonecol\onecolumn\else\clearpage\fi}
6250 \renewcommand*{\head@style}{%
6251   \interlinepenalty \@M
6252   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6253   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6254 \renewcommand*{\@regtocline}[3]{%
6255   \ifnum #1>\c@tocdepth
6256   \else
6257     \vskip\z@\@plus.2\p@
6258     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M

```



```

6259 \if@RTL\rightskip\else\leftskip\fi\unitindent
6260 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6261 \parfillskip\z@
6262 \@tempdima\unitindent
6263 \parindent\z@
6264 \leavevmode
6265 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6266 \hskip 1em \nobreak{\slshape #3}\par
6267 }%
6268 \fi}
6269 \if@oldtoc
6270 \renewcommand*\l@part[2]{%
6271 \ifnum \c@tocdepth >-2\relax
6272 \addpenalty{-\@highpenalty}%
6273 \addvspace{2.25em \@plus\p@}%
6274 \begingroup
6275 \setlength\@tempdima{3em}%
6276 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6277 \parfillskip -\@pnumwidth
6278 {\leavevmode
6279 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6280 \nobreak
6281 \global\@nobreaktrue
6282 \everypar{\global\@nobreakfalse\everypar{}}%
6283 \endgroup
6284 \fi}
6285 \else
6286 \renewcommand*\l@part{%
6287 \ifnum \c@tocdepth >-2\relax
6288 \addpenalty{-\@highpenalty}%
6289 \addvspace{2.25em \@plus\p@}%
6290 \@regtocline{0}%
6291 \fi}
6292 \fi
6293 \if@oldtoc
6294 \renewcommand*\l@chapter[2]{%
6295 \addpenalty{-\@highpenalty}%
6296 \vskip 1.0em \@plus\p@
6297 \setlength\@tempdima{1.5em}%
6298 \begingroup
6299 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6300 \parfillskip -\@pnumwidth
6301 \leavevmode \bfseries
6302 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6303 \hskip -\if@RTL\rightskip\else\leftskip\fi
6304 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6305 \penalty\@highpenalty
6306 \endgroup}
6307 \else
6308 \renewcommand*\l@chapter{\@regtocline{0}}

```



```

6309 \fi
6310 \renewcommand*\left@footnoterule{%
6311   \kern-3\p@
6312   \kern.5\baselineskip
6313   \hrule\@width\unitindent
6314   \kern.4\baselineskip
6315 }
6316 \renewcommand*\right@footnoterule{%
6317   \kern-3\p@
6318   \kern.5\baselineskip
6319   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6320   \kern.4\baselineskip}
6321 \renewenvironment{abstract}{%
6322   \titlepage
6323   \null\vfil
6324   \section*{\SectFont \abstractname}
6325   \noindent\ignorespaces}
6326 {\par\vfil\null\endtitlepage}
6327 \renewenvironment{thebibliography}[1]
6328 {\chapter*{\bibname}%
6329   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6330   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6331   \bidi@thebibliography@font@hook%
6332   \list{\@biblabel{\@arabic\c@enumiv}}%
6333     {\settowidth\labelwidth{\@biblabel{#1}}%
6334     \leftmargin\labelwidth
6335     \advance\leftmargin\labelsep
6336     \@openbib@code
6337     \usecounter{enumiv}%
6338     \let\p@enumiv\@empty
6339     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6340   \sloppy\clubpenalty4000\widowpenalty4000%
6341   \sfcode`\.\@m}
6342 {\def\@noitemerr
6343   {\@latex@warning{Empty `thebibliography' environment}}%
6344   \endlist}
6345 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6346 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6347 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6348 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6349 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6350 \renewcommand*\theequation{%
6351   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6352 \renewcommand*\thefigure{%
6353   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6354 \renewcommand*\thetable{%
6355   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6356 \renewcommand*\maketitle{%
6357   \begin{titlepage}%
6358     \let\footnotesize\small

```



```

6359 \let\right@footnoterule\relax
6360 \let\left@footnoterule\relax
6361 \let\textwidth@footnoterule\relax
6362 \let \footnote \thanks
6363 \long\def\@makefntext##1{\parindent\z@
6364     \def\labelitemi{\textendash}\@revlabeltrue
6365     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6366 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6367 \if@compatibility\setcounter{page}{0}\fi
6368 \null\vfil
6369 \vskip 60\p@
6370 \begin{center}%
6371     \TitleFont
6372     {\LARGE \def\\{\penalty -\@M}
6373         \if@allcaps
6374             \expandafter\uc@nothanks\@title\thanks\relax
6375         \else
6376             \@title
6377         \fi\par}%
6378     \vskip 3em%
6379     {\large
6380         \lineskip .75em \parindent\z@
6381         \begin{tabular}[t]{c}%
6382             \if@allcaps
6383                 \expandafter\uc@authornothanks\@author\and\relax
6384             \else
6385                 \@author
6386             \fi
6387         \end{tabular}\par}%
6388     \vskip 1.5em%
6389     {\large
6390         \if@allcaps
6391             \uppercase\expandafter{\@date}%
6392         \else
6393             \@date
6394         \fi\par}%
6395     \end{center}\par
6396     \@thanks
6397     \vfil\null
6398 \end{titlepage}%
6399 \setcounter{footnote}{0}%
6400 \global\let\thanks\relax
6401 \global\let\maketitle\relax
6402 \global\let\@thanks\@empty
6403 \global\let\@author\@empty
6404 \global\let\@title\@empty
6405 \global\let\@date\@empty
6406 \global\let\title\relax
6407 \global\let\author\relax
6408 \global\let\date\relax

```



```

6409 \global\let\and\relax
6410 }

```

32 File bookest-xetex-bidi.def

```

6411 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6412 \def\@makechapterhead#1{%
6413   \vspace*{20\p@}
6414   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6415     \ifnum \c@secnumdepth >\m@ne
6416       \if@mainmatter
6417         {\colorA\huge\scshape \@chapapp\space \thechapter}
6418         \par\nobreak
6419         \vskip 10\p@
6420       \fi
6421     \fi
6422     \interlinepenalty\@M
6423     {\colorB\hrule}
6424     \vskip 15\p@
6425     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6426     {\colorA\Huge \bfseries #1}\par\nobreak
6427     \if@RTL\end{flushleft}\else\end{flushright}\fi
6428     \vskip 5\p@
6429     {\colorB\hrule}
6430     \vskip 30\p@
6431   }}
6432 \def\@makeschapterhead#1{%
6433   \vspace*{20\p@}
6434   {\parindent \z@ \raggedright \normalfont
6435     {\colorB\hrule}
6436     \vskip 15\p@
6437     \begin{center}
6438       {\colorA\Huge \bfseries #1}\par\nobreak
6439     \end{center}
6440     \vskip 5\p@
6441     {\colorB\hrule}
6442     \vskip 30\p@
6443   }}

```

33 File book-xetex-bidi.def

```

6444 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6445 \renewenvironment{theindex}
6446   {\if@twocolumn
6447     \@restonecolfalse
6448   \else
6449     \@restonecoltrue
6450   \fi
6451   \columnseprule \z@
6452   \columnsep 35\p@

```



```

6453             \twocolumn[\@makeschapterhead{\indexname}]%
6454             \@mkboth{\MakeUppercase\indexname}%
6455                 {\MakeUppercase\indexname}%
6456             \thispagestyle{plain}\parindent\z@
6457             \parskip\z@ \@plus .3\p@\relax
6458             \let\item\@idxitem}
6459         {\if@restonecol\onecolumn\else\clearpage\fi}
6460 \@ifclassloaded{bookest}{\}{%
6461   \if@titlepage
6462     \renewcommand\maketitle{\begin{titlepage}%
6463       \let\footnotesize\small
6464       \let\right@footnoterule\relax
6465       \let\left@footnoterule\relax
6466       \let\textwidth\footnoterule\relax
6467       \let \footnote \thanks
6468       \let \LTRfootnote \LTRthanks
6469       \let \RTLfootnote \RTLthanks
6470       \null\vfil
6471       \vskip 60\p@
6472       \begin{center}%
6473         {\LARGE \@title \par}%
6474         \vskip 3em%
6475         {\large
6476           \lineskip .75em%
6477           \begin{tabular}[t]{c}%
6478             \@author
6479             \end{tabular}\par}%
6480           \vskip 1.5em%
6481           {\large \@date \par}%           % Set date in \large size.
6482       \end{center}\par
6483       \@thanks
6484       \vfil\null
6485       \end{titlepage}%
6486       \setcounter{footnote}{0}%
6487       \global\let\thanks\relax
6488       \global\let\LTRthanks\relax
6489       \global\let\RTLthanks\relax
6490       \global\let\maketitle\relax
6491       \global\let\@thanks\@empty
6492       \global\let\@author\@empty
6493       \global\let\@date\@empty
6494       \global\let\@title\@empty
6495       \global\let\title\relax
6496       \global\let\author\relax
6497       \global\let\date\relax
6498       \global\let\and\relax
6499   }
6500 \else
6501 \renewcommand\maketitle{\par
6502   \begingroup

```




```

6503 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6504 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6505 \long\def\@makefntext##1{\parindent 1em\noindent
6506     \hb@xt@1.8em{%
6507         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6508 \if@twocolumn
6509     \ifnum \col@number=\@ne
6510         \@maketitle
6511     \else
6512         \twocolumn[\@maketitle]%
6513     \fi
6514 \else
6515     \newpage
6516     \global\@topnum\z@    % Prevents figures from going at top of page.
6517     \@maketitle
6518     \fi
6519     \thispagestyle{plain}\@thanks
6520 \endgroup
6521 \setcounter{footnote}{0}%
6522 \global\let\thanks\relax
6523 \global\let\LTRthanks\relax
6524 \global\let\RTLthanks\relax
6525 \global\let\maketitle\relax
6526 \global\let\@maketitle\relax
6527 \global\let\@thanks\@empty
6528 \global\let\@author\@empty
6529 \global\let\@date\@empty
6530 \global\let\@title\@empty
6531 \global\let\title\relax
6532 \global\let\author\relax
6533 \global\let\date\relax
6534 \global\let\and\relax
6535 }
6536 \def\@maketitle{%
6537     \newpage
6538     \null
6539     \vskip 2em%
6540     \begin{center}%
6541         \let \footnote \thanks
6542         \let \LTRfootnote \LTRthanks
6543         \let \RTLfootnote \RTLthanks
6544         {\LARGE \@title \par}%
6545         \vskip 1.5em%
6546         {\large
6547             \lineskip .5em%
6548             \begin{tabular}[t]{c}%
6549                 \@author
6550             \end{tabular}\par}%
6551         \vskip 1em%
6552         {\large \@date}%

```



```

6553 \end{center}%
6554 \par
6555 \vskip 1.5em}
6556 \fi}
6557 \renewcommand*\l@part[2]{%
6558 \ifnum \c@tocdepth >-2\relax
6559 \addpenalty{-\@highpenalty}%
6560 \addvspace{2.25em \@plus\p@}%
6561 \setlength\@tempdima{3em}%
6562 \begingroup
6563 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6564 \parfillskip -\@pnumwidth
6565 {\leavevmode
6566 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6567 \nobreak
6568 \global\@nobreaktrue
6569 \everypar{\global\@nobreakfalse\everypar{}}}%
6570 \endgroup
6571 \fi}
6572 \renewcommand*\l@chapter[2]{%
6573 \ifnum \c@tocdepth >\m@ne
6574 \addpenalty{-\@highpenalty}%
6575 \vskip 1.0em \@plus\p@
6576 \setlength\@tempdima{1.5em}%
6577 \begingroup
6578 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6579 \parfillskip -\@pnumwidth
6580 \leavevmode \bfseries
6581 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6582 \hskip -\if@RTL\rightskip\else\leftskip\fi
6583 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6584 \penalty\@highpenalty
6585 \endgroup
6586 \fi}
6587 \renewcommand\left@footnoterule{%
6588 \kern-3\p@
6589 \hrule\@width.4\columnwidth
6590 \kern2.6\p@}
6591 \renewcommand\right@footnoterule{%
6592 \kern-3\p@
6593 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6594 \kern2.6\p@}
6595 \renewcommand\theequation
6596 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6597 \renewcommand \thefigure
6598 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6599 \renewcommand \thetable
6600 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6601 \renewcommand \thechapter {\@arabic\c@chapter}
6602 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}

```



```

6603 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
6604 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6605 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6606 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6607 \def\@makechapterhead#1{%
6608 \vspace*{50\p@}%
6609 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6610 \ifnum \c@secnumdepth >\m@ne
6611 \if@mainmatter
6612 \huge\bfseries \@chapapp\space \thechapter
6613 \par\nobreak
6614 \vskip 20\p@
6615 \fi
6616 \fi
6617 \interlinepenalty\@M
6618 \Huge \bfseries #1\par\nobreak
6619 \vskip 40\p@
6620 }}
6621 \def\@makeschapterhead#1{%
6622 \vspace*{50\p@}%
6623 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6624 \normalfont
6625 \interlinepenalty\@M
6626 \Huge \bfseries #1\par\nobreak
6627 \vskip 40\p@
6628 }}
6629 \renewcommand\backmatter{%
6630 \if@openright
6631 \cleardoublepage
6632 \else
6633 \clearpage
6634 \fi
6635 \@mainmatterfalse}
6636 \renewenvironment{thebibliography}[1]
6637 {\chapter*\bibname}%
6638 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6639 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6640 \bidi@thebibliography@font@hook%
6641 \list{\@biblabel{\@arabic\c@enumiv}}%
6642 {\settowidth\labelwidth{\@biblabel{#1}}%
6643 \leftmargin\labelwidth
6644 \advance\leftmargin\labelsep
6645 \@openbib@code
6646 \usecounter{enumiv}%
6647 \let\p@enumiv\@empty
6648 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6649 \sloppy
6650 \clubpenalty4000
6651 \@clubpenalty \clubpenalty
6652 \widowpenalty4000%

```



```

6653 \sfcode`.\@m}
6654 {\def\@noitemerr
6655 {\@latex@warning{Empty `thebibliography' environment}}}%
6656 \endlist}

```

34 File breqn-xetex-bidi.def

```

6657 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6658 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6659 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6660 \if@noskipsec \leavevmode \fi
6661 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6662 \if@eq@group\else@eq@prelim\fi
6663 \setkeys{breqn}{#1}%
6664 \the\eqstyle
6665 \eq@setnumber
6666 \begingroup
6667 \eq@setup@a
6668 \eq@startup
6669 }
6670 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6671 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6672 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6673 \global\let\GRP@label\@empty
6674 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6675 \global\grp@linewidth\z@\global\grp@wdNum\z@
6676 \global\let\grp@eqs@numbered\@False
6677 \global\let\grp@aligned\@True
6678 \global\let\grp@shiftnumber\@False
6679 \eq@prelim
6680 \setkeys{breqn}{#1}%
6681 \if\grp@hasNumber \grp@setnumber \fi
6682 }
6683 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6684 \let\display@setup\dseries@display@setup
6685 % Question: should this be the default for dseries???
6686 \global\eq@wdCond\z@
6687 \@dmath[layout={M},#1]%
6688 \mathsurround\z@\@math \penalty\@Mi
6689 \let\endmath\ends@math
6690 \def\premath{%
6691 \ifdim\lastskip<.3em \unskip
6692 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6693 }%
6694 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6695 \ignorespaces
6696 }
6697 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@italiccorr)\if@nonlatin\endR\fi}
6698 \renewenvironment{dsuspend}{%
6699 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore

```



```

6700 \parshape 1 \displayindent \displaywidth\relax
6701 \hsize=\columnwidth \noindent\ignorespaces
6702 }{%
6703 \par\egroup
6704 \global\setbox\GRP@box\vbox{%
6705 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}}%
6706 \unvbox\GRP@box
6707 }%
6708 \global\GRP@queue\@xp{\the\GRP@queue
6709 \@elt{\let\eq@isIntertext\@True}}%
6710 }%
6711 }

```

35 File cals-xetex-bidi.def

```

6712 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
6713 \renewcommand\cals@setup@alignment[1]{%
6714 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6715 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6716 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6717 }
6718 \renewcommand\cals@table@alignment{\if RTLtab r\else l\fi}
6719 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6720 \if RTLtab \cals@activate@rtl\fi
6721 \let\cals@thead@tokens=\relax
6722 \let\cals@tfoot@tokens=\relax
6723 \let\cals@tbreak@tokens=\relax
6724 \cals@tfoot@height=0pt \relax
6725 \let\cals@last@context=n%
6726 \let\cals@current@context=b%
6727 \parindent=0pt \relax%
6728 \cals@setup@alignment{#1}%
6729 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
6730 %% Alignment inside is independent on center/flushright outside
6731 \parfillskip=0pt plus1fil\relax
6732 \let\cals@borderL=\relax
6733 \let\cals@borderR=\relax
6734 \let\cals@borderT=\relax
6735 \let\cals@borderB=\relax
6736 \setbox\cals@backup@row=\box\voidb@x\relax
6737 \cals@AtBeginTable
6738 }{% End of the table
6739 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6740 \renewcommand\alignL{%
6741 \if RTLtab
6742 \cals@vfillAdd\cals@paddingL
6743 \else
6744 \cals@vfillDrop\cals@paddingL
6745 \fi
6746 \cals@vfillDrop\cals@paddingR}

```



```

6747 \renewcommand\alignR{%
6748 \if@RTLtab
6749 \cals@vfillDrop\cals@paddingL
6750 \else
6751 \cals@vfillAdd\cals@paddingL
6752 \fi
6753 \cals@vfillDrop\cals@paddingR}

```

36 File caption-xetex-bidi.def

```

6754 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
6755 \let\@makecaption\caption@makecaption

```

37 File caption3-xetex-bidi.def

```

6756 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6757 \renewcommand*\caption@par{%
6758 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

38 File colortbl-xetex-bidi.def

```

6759 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6760 \def\CT@setup{%
6761 \CT@tempdimb\col@sep
6762 \CT@tempdimc\col@sep
6763 \def\CT@color{%
6764 \global\let\CT@do@color\CT@@do@color
6765 \bidicolor}}
6766 \def\@classz{\@classx
6767 \CT@tempcnta\count@
6768 \prepnext@tok
6769 \expandafter\CT@extract\the\toks\CT@tempcnta\columncolor!\@nil
6770 \CT@addtopreamble{\if@RTLtab\beginL\fi%
6771 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6772 \ifcase\@chnum
6773 \hskip\stretch{.5}\kern\z@
6774 \d@llarbegin
6775 \insert@column
6776 \d@llarend\hskip\stretch{.5}\or
6777 \d@llarbegin\insert@column\d@llarend\hfill\or
6778 \hfill\kern\z@\d@llarbegin\insert@column\d@llarend\or
6779 $\vcenter
6780 \CT@startpbox{\@nextchar}\insert@column\CT@endpbox$\or
6781 \vtop\CT@startpbox{\@nextchar}\insert@column\CT@endpbox\or
6782 \vbox\CT@startpbox{\@nextchar}\insert@column\CT@endpbox
6783 \fi
6784 \if@RTLtab\endR\fi\egroup\egroup
6785 \begin@group
6786 \CT@setup
6787 \CT@column@color

```



```

6788 \CT@row@color
6789 \CT@cell@color
6790 \CT@do@color
6791 \endgroup
6792 \@tempdima\ht\z@
6793 \advance\@tempdima\minrowclearance
6794 \vrule\@height\@tempdima\@width\z@
6795 \unhbox\z@\if@RTLtab\endL\fi}%
6796 \prepnext@tok}

```

39 File color-xetex-bidi.def

```

6797 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX
6798 \long\def\color@b@x#1#2#3{%
6799 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6800 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6801 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6802 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6803 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6804 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
6805 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6806 \DeclareRobustCommand\color{%
6807 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}%
6808 \def\@declaredcolor#1{%
6809 \@ifundefined{\string\color @#1}%
6810 {\c@lor@error{`#1'}}%
6811 {\expandafter\let\expandafter\current@color
6812 \csname\string\color @#1\endcsname
6813 \set@color}%
6814 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6815 \def\@undeclaredcolor[#1]#2{%
6816 \@ifundefined{color@#1}%
6817 {\c@lor@error{model `#1'}}%
6818 {\csname color@#1\endcsname\current@color{#2}%
6819 \set@color}%
6820 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6821 \DeclareRobustCommand\bidicolor{%
6822 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
6823 \def\@bidiundeclaredcolor[#1]#2{%
6824 \@ifundefined{color@#1}%
6825 {\c@lor@error{model `#1'}}%
6826 {\csname color@#1\endcsname\current@color{#2}%
6827 \set@color}%
6828 \ignorespaces}
6829 \def\@bidideclaredcolor#1{%
6830 \@ifundefined{\string\color @#1}%
6831 {\c@lor@error{`#1'}}%
6832 {\expandafter\let\expandafter\current@color
6833 \csname\string\color @#1\endcsname
6834 \set@color}%

```



```

6835 \ignorespaces}
6836 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6837 \def\color@fbox#1#2#3{%
6838 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6839 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode\fi}

```

40 File combine-xetex-bidi.def

```

6840 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX]
6841 \renewcommand{\c@ll@chapsecii}[2]{%
6842 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6843 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6844 #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
6845 }
6846 \renewcommand{\c@ll@chapseci}{%
6847 \setlength\@tempdima{0em}%
6848 \begingroup
6849 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \pnumwidth
6850 \parfillskip -\pnumwidth
6851 \leavevmode
6852 }
6853 \renewenvironment{tocindent}[1]{%
6854 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

41 File crop-xetex-bidi.def

```

6855 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
6856 \renewcommand*{\CROP@ulc}{%
6857 \if@RTLmain%
6858 \begin{picture}(0,0)
6859 \unitlength\p@\thinlines
6860 \put(-40,0){\circle{10}}
6861 \put(-30,-5){\line(0,1){10}}
6862 \put(-35,0){\line(1,0){30}}
6863 \put(-10,30){\circle{10}}
6864 \put(-5,30){\line(1,0){10}}
6865 \put(0,35){\line(0,-1){30}}
6866 \end{picture}%
6867 \else%
6868 \begin{picture}(0,0)
6869 \unitlength\p@\thinlines
6870 \put(-30,0){\circle{10}}
6871 \put(-30,-5){\line(0,1){10}}
6872 \put(-35,0){\line(1,0){30}}
6873 \put(0,30){\circle{10}}
6874 \put(-5,30){\line(1,0){10}}
6875 \put(0,35){\line(0,-1){30}}
6876 \end{picture}%
6877 \fi%
6878 }

```




```

6879 \renewcommand*\CROP@urc{%
6880   \if@RTLmain%
6881     \begin{picture}(0,0)
6882       \unitlength\p@\thinline
6883       \put(20,0){\circle{10}}
6884       \put(30,-5){\line(0,1){10}}
6885       \put(35,0){\line(-1,0){30}}
6886       \put(-10,30){\circle{10}}
6887       \put(-5,30){\line(1,0){10}}
6888       \put(0,35){\line(0,-1){30}}
6889     \end{picture}%
6890   \else%
6891     \begin{picture}(0,0)
6892       \unitlength\p@\thinline
6893       \put(30,0){\circle{10}}
6894       \put(30,-5){\line(0,1){10}}
6895       \put(35,0){\line(-1,0){30}}
6896       \put(0,30){\circle{10}}
6897       \put(-5,30){\line(1,0){10}}
6898       \put(0,35){\line(0,-1){30}}
6899     \end{picture}%
6900   \fi%
6901 }
6902 \renewcommand*\CROP@llc{%
6903   \if@RTLmain%
6904     \begin{picture}(0,0)
6905       \unitlength\p@\thinline
6906       \put(-40,0){\circle{10}}
6907       \put(-30,-5){\line(0,1){10}}
6908       \put(-35,0){\line(1,0){30}}
6909       \put(-10,-30){\circle{10}}
6910       \put(-5,-30){\line(1,0){10}}
6911       \put(0,-35){\line(0,1){30}}
6912     \end{picture}%
6913   \else%
6914     \begin{picture}(0,0)
6915       \unitlength\p@\thinline
6916       \put(-30,0){\circle{10}}
6917       \put(-30,-5){\line(0,1){10}}
6918       \put(-35,0){\line(1,0){30}}
6919       \put(0,-30){\circle{10}}
6920       \put(-5,-30){\line(1,0){10}}
6921       \put(0,-35){\line(0,1){30}}
6922     \end{picture}%
6923   \fi%
6924 }
6925 \renewcommand*\CROP@lrc{%
6926   \if@RTLmain%
6927     \begin{picture}(0,0)
6928       \unitlength\p@\thinline

```



```

6929      \put(20,0){\circle{10}}
6930      \put(30,-5){\line(0,1){10}}
6931      \put(35,0){\line(-1,0){30}}
6932      \put(-10,-30){\circle{10}}
6933      \put(-5,-30){\line(1,0){10}}
6934      \put(0,-35){\line(0,1){30}}
6935      \end{picture}%
6936      \else%
6937      \begin{picture}(0,0)
6938        \unitlength\p@\thinlines
6939        \put(30,0){\circle{10}}
6940        \put(30,-5){\line(0,1){10}}
6941        \put(35,0){\line(-1,0){30}}
6942        \put(0,-30){\circle{10}}
6943        \put(-5,-30){\line(1,0){10}}
6944        \put(0,-35){\line(0,1){30}}
6945      \end{picture}%
6946      \fi%
6947    }
6948    \ifpackagewith{crop}{cam}{%
6949      \CROP@execopt{cam}%
6950    }{}

```

42 File cutwin-xetex-bidi.def

```

6951 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for X]
6952 \renewcommand*{\c@twcompctr}[2]{%
6953   \def\c@twfirst{1}
6954   \loop\advance\c@twwinlines\m@ne
6955   \setbox\c@twslicea=\vsplit#1 to\baselineskip
6956   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6957   \c@twprune{\c@twslicea}{\c@twlftside}%
6958   \c@twprune{\c@twsliceb}{\c@twrtside}%
6959   \ifnum\c@twfirst=\@ne
6960     \setbox#2=\vbox{\unvbox#2\hbox
6961       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
6962   \else
6963     \setbox#2=\vbox{\unvbox#2\hbox
6964       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
6965   \fi
6966   \def\c@twfirst{2}
6967   \ifnum\c@twwinlines>\z@\repeat{
6968 \renewcommand*{\c@twcompodctr}[2]{%
6969   \def\c@twrounds{1}
6970   \def\c@twfirst{1}
6971   \@for\c@twlspec:=\c@twb\do{%
6972     \ifnum\c@twrounds=1
6973       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6974       \c@twprune{\c@twslicea}{\c@twlspec}%
6975       \def\c@twrounds{2}

```



```

6976 \else
6977 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6978 \c@twprune{\c@twsliceb}{\c@twlspec}%
6979 \ifnum\c@twfirst=1
6980 \setbox#2=\vbox{\unvbox#2\hbox
6981 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twlicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@twlicea\else\box\c@twliceb\fi}}
6982 \def\c@twfirst{2}
6983 \else
6984 \setbox#2=\vbox{\unvbox#2\hbox
6985 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twlicea\fi\hfil\if@RTL\box\c@twlicea\else\box\c@twliceb\fi}}
6986 \fi
6987 \def\c@twrounds{1}
6988 \fi}}

```

43 File cuted-xetex-bidi.def

```

6989 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for XeTeX]
6990
6991 \def\RTL@outputdblcol{%
6992 \if@firstcolumn
6993 \global\@firstcolumnfalse
6994 \global\setbox\@leftcolumn\copy\@outputbox
6995 \splitmaxdepth\maxdimen
6996 \vbadness\maxdimen
6997 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6998 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6999 \toks@{\expandafter{\topmark}}%
7000 \xdef\@firstcoltopmark{\the\toks@}%
7001 \toks@{\expandafter{\splitfirstmark}}%
7002 \xdef\@firstcolfirstmark{\the\toks@}%
7003 \ifx\@firstcolfirstmark\@empty
7004 \global\let\@setmarks\relax
7005 \else
7006 \gdef\@setmarks{%
7007 \let\firstmark\@firstcolfirstmark
7008 \let\topmark\@firstcoltopmark}%
7009 \fi
7010 \else
7011 \global\@firstcolumntrue
7012 \setbox\@outputbox\vbox{%
7013 \hb@xt@\textwidth{%
7014 \hskip \columnwidth
7015 \hfil
7016 {\normalcolor\vrule \@width\columnseprule}%
7017 \hfil
7018 \hb@xt@\columnwidth{%
7019 \bidi@firstcolumn@status@write%
7020 \box\@leftcolumn \hss}%
7021 \hskip -\textwidth
7022 \hb@xt@\columnwidth{%

```



```

7023     \bidi@lastcolumn@status@write%
7024     \box\@outputbox \hss}%
7025     \hskip \columnsep
7026     \hskip \columnwidth }}%
7027 \ifvoid\hold@viper
7028 \else
7029     \setbox\@outputbox \vbox to\textheight{%
7030                                     \box\hold@viper
7031                                     \box\@outputbox
7032                                     \vss
7033                                     }%
7034 \fi
7035 \@combinedblfloats
7036 \@setmarks
7037 \@outputpage
7038 \beginingroup
7039     \@dblfloatplacement
7040     \@startdblcolumn
7041     \@whiles\if@fcolmade \fi{\@outputpage
7042     \@startdblcolumn}%
7043     \ifvoid\@viper
7044     \else
7045         \global\setbox\@viper\vbox{%
7046                                 \vskip-\stripsep
7047                                 \unvbox\@viper
7048                                 }%
7049     \@viperoutput
7050 \fi
7051 \endgroup
7052 \fi}%
7053
7054 \def\LTR@outputdblcol{%
7055     \if@firstcolumn
7056         \global\@firstcolumnfalse
7057         \global\setbox\@leftcolumn\copy\@outputbox
7058         \splitmaxdepth\maxdimen
7059         \vbadness\maxdimen
7060         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7061         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7062         \toks@{\expandafter{\topmark}}%
7063         \xdef\@firstcoltopmark{\the\toks@}%
7064         \toks@{\expandafter{\splitfirstmark}}%
7065         \xdef\@firstcolfirstmark{\the\toks@}%
7066         \ifx\@firstcolfirstmark\@empty
7067             \global\let\@setmarks\relax
7068         \else
7069             \gdef\@setmarks{%
7070                 \let\firstmark\@firstcolfirstmark
7071                 \let\topmark\@firstcoltopmark}%
7072 \fi

```



```

7073 \else
7074 \global\@firstcolumntrue
7075 \setbox\@outputbox\vbox{%
7076   \hb@xt@\textwidth{%
7077     \hb@xt@\columnwidth{%
7078       \bidi@firstcolumn@status@write%
7079       \box\@leftcolumn \hss}%
7080     \hfil
7081     {\normalcolor\vrule \@width\columnseprule}%
7082     \hfil
7083     \hb@xt@\columnwidth{%
7084       \bidi@lastcolumn@status@write%
7085       \box\@outputbox \hss}}}%
7086 \ifvoid\hold@viper
7087 \else
7088   \setbox\@outputbox \vbox to\textheight{%
7089     \box\hold@viper
7090     \box\@outputbox
7091     \vss
7092   }%
7093 \fi
7094 \@combinedblfloats
7095 \@setmarks
7096 \@outputpage
7097 \beginingroup
7098   \@dblfloatplacement
7099   \@startdblcolumn
7100   \@whiles\if@fcolmade \fi{\@outputpage
7101   \@startdblcolumn}%
7102   \ifvoid\@viper
7103   \else
7104     \global\setbox\@viper\vbox{%
7105       \vskip-\stripsep
7106       \unvbox\@viper
7107     }%
7108     \@viperoutput
7109   \fi
7110 \endgroup
7111 \fi}%
7112
7113
7114 \def \@addviper {%
7115   \if@firstcolumn
7116     \@insertfalse
7117     \@reqcolroom .5\@pageht
7118     \ht@viper\@reqcolroom
7119     \advance \@reqcolroom \ht\@viper
7120     \advance \@reqcolroom \stripsep
7121     \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7122 }%

```



```

7123 \@tempdimb \ht@viper
7124 \loop
7125 \setbox\v@aaa\copy\@holdpg
7126 \setbox\v@ccc\vbox to\@tempdimb{%
7127     \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7128 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7129 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7130 \loop
7131 \setbox\v@aaa\copy\@holdpg
7132 \setbox\v@ccc\vbox to\@tempdimb{%
7133     \vsplit\v@aaa to\@tempdimb\vss}%
7134 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7135 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7136 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7137 \setbox\v@ccc\vbox to\@tempdimb{%
7138     \vsplit\@holdpg to\@tempdimb\vss}%
7139 %%
7140 \setbox\@tempboxa \vbox {%
7141     \hb@xt@\textwidth {%
7142         \if@RTLmain%
7143             \hskip \columnwidth
7144             \hfil \vrule width\columnseprule \hfil
7145             \hb@xt@\columnwidth {%
7146                 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7147             \hskip -\textwidth
7148             \hb@xt@\columnwidth {%
7149                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7150             \hskip \columnsep
7151             \hskip \columnwidth
7152             \else%
7153             \hb@xt@\columnwidth {%
7154                 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7155             \hfil
7156             \vrule \@width\columnseprule
7157             \hfil
7158             \hb@xt@\columnwidth {%
7159                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7160             \fi}%
7161         }%
7162 \ifvoid\hold@viper
7163     \global\setbox\hold@viper \vbox {%
7164         \unvbox\@tempboxa
7165         \penalty\interlinepenalty
7166         \vskip\stripsep
7167         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7168         \outputpenalty \z@
7169     }%
7170 \else
7171     \global\setbox\hold@viper \vbox {%
7172         \unvbox\hold@viper

```



```

7173         \unvbox\@tempboxa
7174         \penalty\interlinepenalty
7175         \vskip\stripsep
7176         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7177         \outputpenalty \z@
7178         }%
7179     \fi
7180 \ifdim \@colroom>\@reqcolroom
7181     \global\setbox\hold@viper \vbox {%
7182         \unvbox\hold@viper
7183         \box\@viper
7184         \penalty\interlinepenalty
7185         \vskip\stripsep
7186         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7187         \outputpenalty \z@
7188         }%
7189     \@inserttrue
7190     \advance\@tempdima by-\ht\hold@viper
7191     \global \advance \@colht \@tempdima
7192     \ifdim \@colht<2.5\baselineskip
7193         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7194             too tall on page \thepage (1 stulpelis)}%
7195         \@emptycol
7196         \if@firstcolumn
7197         \else
7198             \@emptycol
7199         \fi
7200         \global\@lastvipertrue
7201     \else
7202         \global \vsize \@colht
7203         \global \@colroom \@colht
7204         \check@floats
7205         \ifdim\@tempdima>\z@
7206             \global\advance\@colroom by-\@tempdima
7207         \fi
7208         \ifdim\@colroom<\z@
7209             \global\@colroom 1pt
7210             \ifdim\@tempdima>\@colht
7211                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7212                     netelpla lape \thepage (1 stulpelis)}%
7213             \fi
7214             \@emptycol
7215             \if@firstcolumn
7216             \else
7217                 \@emptycol
7218             \fi
7219             \global\@lastvipertrue
7220         \fi
7221     \fi
7222 \fi

```



```

7223 \else
7224 \insertfalse
7225 \@reqcolroom\@colht
7226 \advance\@reqcolroom \@pageht
7227 \ht@viper.5\@reqcolroom
7228 \@reqcolroom\ht@viper
7229 \advance \@reqcolroom \ht\@viper
7230 \advance \@reqcolroom \stripsep
7231 \if@flushend@auto@baselineskip
7232 \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7233 \global\lastskip@d\lastskip
7234 \global\lastskip@b\lastskip
7235 \loop
7236 \global\lastskip@a\lastskip@b
7237 \unskip\unpenalty
7238 \global\lastskip@b\lastskip
7239 \global\advance\lastskip@d by\lastskip
7240 \ifdim\lastskip@b=-\lastskip@a
7241 \global\advance\lastskip@d by-\lastskip
7242 \else
7243 \repeat
7244 \ifdim\lastskip@b=-\lastskip@a
7245 \ifdim\lastskip@b=\z@
7246 \setbox\lastbox@a\lastbox
7247 \global\advance\lastskip@d by\ht\lastbox@a
7248 \global\advance\lastskip@d by\lastskip
7249 \unskip\unpenalty
7250 \setbox\lastbox@a\lastbox
7251 \global\advance\lastskip@d by\dp\lastbox@a
7252 \else
7253 \global\lastskip@d\lastskip
7254 \global\advance\lastskip@d by\topskip
7255 \fi
7256 \fi
7257 \global\advance\lastskip@d by-\topskip
7258 }%
7259 \ifdim\ht\@holdpg>\@colht
7260 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7261 \par\eject
7262 \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7263 }%
7264 \else
7265 \global\setbox\@holdpg\vbox{%
7266 \unvbox\@leftcolumn\unskip\unpenalty
7267 \vskip\lastskip@d
7268 \the\At@ViperColsBreak
7269 \unvbox\@holdpg
7270 \unskip
7271 }%
7272 \fi

```




```

7273 \else
7274 \global\setbox\@holdpg\vbox{%
7275 \unvbox\@leftcolumn
7276 \setbox\@tempboxa\lastbox
7277 \on@stripcols@break
7278 \the\At@ViperColsBreak
7279 \unvbox\@holdpg
7280 }%
7281 \fi
7282 \global\At@ViperColsBreak{}%
7283 \ht@viper .5\ht\@holdpg
7284 \ifdim \ht@viper>\@colht
7285 \ht@viper \@colht
7286 \fi
7287 \ifvoid\hold@viper\@tempdima=\z@ \else \@tempdima\ht\hold@viper\fi
7288 %%
7289 \@tempdimb \ht@viper
7290 \loop
7291 \setbox\v@aaa\copy\@holdpg
7292 \setbox\v@ccc\vbox to\@tempdimb{%
7293 \vsplit\v@aaa to\@tempdimb
7294 \vss
7295 \vsplit\v@aaa to\@tempdimb
7296 }%
7297 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7298 \ifvoid\v@aaa
7299 \else
7300 \advance\@tempdimb 1\p@
7301 \repeat
7302 \loop
7303 \setbox\v@aaa\copy\@holdpg
7304 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7305 \wlog{(2)Left:\the\ht\v@ccc\space
7306 Right:\the\ht\v@aaa\space
7307 Output:\the\@tempdimb
7308 }%
7309 \ifdim\ht\v@ccc<\ht\v@aaa
7310 \@tempdimb \the\ht\v@aaa
7311 \repeat
7312 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7313 ^^JRight:\the\ht\v@aaa
7314 ^^JOutput:\the\@tempdimb
7315 }%
7316 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7317 \setbox\@tempboxa\vbox{%
7318 \hb@xt@\textwidth {%
7319 \if@RTLmain%
7320 \hskip \columnwidth
7321 \hfil \vrule width\columnseprule \hfil
7322 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%

```



```

7323         \hskip -\textwidth
7324         \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7325         \hskip \columnsep
7326         \hskip \columnwidth
7327         \else
7328         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7329         \hfil
7330         \vrule \@width\columnseprule
7331         \hfil
7332         \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7333         \fi%
7334         }%
7335     }%
7336 \ifvoid\hold@viper
7337     \global\setbox\hold@viper \vbox {%
7338         \unvbox\@tempboxa
7339         \penalty\interlinepenalty
7340         \vskip\stripsep
7341         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7342         \outputpenalty \z@
7343         }%
7344 \else
7345     \global\setbox\hold@viper \vbox {%
7346         \unvbox\hold@viper
7347         \unvbox\@tempboxa
7348         \penalty\interlinepenalty
7349         \vskip\stripsep
7350         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7351         \outputpenalty \z@
7352         }%
7353 \fi
7354 \ifdim \@colht>\@reqcolroom
7355     \global\setbox\hold@viper \vbox {%
7356         \unvbox\hold@viper
7357         \box\@viper
7358         \penalty\interlinepenalty
7359         \vskip\stripsep
7360         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7361         \outputpenalty \z@
7362         }%
7363 \@inserttrue
7364 \global\@firstcolumntrue
7365 \advance\@tempdima by-\ht\hold@viper
7366 \global \advance \@colht \@tempdima
7367 \ifdim \@colht<2.5\baselineskip
7368     \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7369                             too tall on page \thepage (2 stulpelis)}%
7370 \emptycol
7371 \if@firstcolumn
7372 \else

```



```

7373         \@emptycol
7374     \fi
7375     \global\@lastvipertrue
7376 \else
7377     \global \vsize \@colht
7378     \global \@colroom \@colht
7379     \check@floats
7380     \ifdim\@tempdima>\z@
7381         \global\advance\@colroom by-\@tempdima
7382     \fi
7383     \ifdim\@colroom<\z@
7384         \global\@colroom 1pt
7385         \ifdim\@tempdima>\@colht
7386             \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7387                                     netelpe lape \thepage (2 stulpelis)}%
7388         \fi
7389         \@emptycol
7390         \if@firstcolumn
7391         \else
7392             \@emptycol
7393         \fi
7394         \global\@lastvipertrue
7395     \fi
7396 \fi
7397 \fi
7398 \fi
7399 \if@insert
7400 \else
7401     \advance\@tempdima by-\ht\hold@viper
7402     \global \advance \@colht \@tempdima
7403     \global\setbox\hold@viper \vbox {%
7404                                     \unvbox\hold@viper
7405                                     \csname viper@top@hook\endcsname
7406                                     \vsplit\@viper to \@colht
7407                                     \vss
7408                                     }%
7409     \vbox{}%
7410     \global\@firstcolumnfalse
7411     \newpage
7412 \fi
7413 }

```

44 File cvthemebidicasual.sty

```

7414 \NeedsTeXFormat{LaTeX2e}
7415 \ProvidesPackage{cvthemebidicasual}
7416 \DeclareOption{blue}{}
7417 \newif\if@colourorange\@colourorangefalse
7418 \DeclareOption{orange}{\@colourorange true}
7419 \newif\if@colourgreen\@colourgreenfalse

```



```

7420 \DeclareOption{green}{\@colougreenttrue}
7421 \newif\if@colouredred\@colouredredfalse
7422 \DeclareOption{red}{\@colouredredtrue}
7423 \newif\if@colougrey\@colougreyfalse
7424 \DeclareOption{grey}{\@colougreytrue}
7425 \DeclareOption*{
7426   \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7427 \ExecuteOptions{colour}
7428 \ProcessOptions\relax
7429 \renewcommand*{\listitemsymbol}{\textbullet}
7430 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7431 \familynamecolour{808080}
7432 \firstnamecolour{A9A9A9}
7433 \quotecolour{696969}
7434 \addresscolour{696969}
7435 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7436 \sectiontitlecolour{1E90FF}
7437 \subsectioncolour{4682B4}
7438 \definecolor{rulecolour}{gray}{0.6}
7439 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7440 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7441 \if@colouorange
7442   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7443   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7444   \sectiontitlecolour{FF8C00}
7445   \subsectioncolour{FF8C00}
7446   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7447   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7448 \if@colougreen
7449   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7450   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7451   \sectiontitlecolour{008000}
7452   \subsectioncolour{008000}
7453   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7454   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7455 \if@colouredred
7456   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7457   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7458   \sectiontitlecolour{FF0000}
7459   \subsectioncolour{FF0000}
7460   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7461   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7462 \if@colougrey
7463   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7464   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7465   \sectiontitlecolour{808080}
7466   \subsectioncolour{808080}
7467   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7468   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7469 \renewcommand*{\ttdefault}{pcr}

```



```

7470 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7471 \renewcommand*{\familynamefont}{\firstnamefont}
7472 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7473 \renewcommand*{\quoteont}{\large\slshape}
7474 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7475 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7476 \renewcommand*{\maketitle}{%
7477   {%
7478     \ifthenelse{\isundefined{\@photo}}{%
7479       {%
7480         {\color{firstnamecolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}%
7481         \hfill%
7482         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\ll[-.35em]}%
7483         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\ll[2.5em]}%
7484       \ifthenelse{\isundefined{\@quote}}{%
7485         {%
7486           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\ll[
7487         ]}%
7488     \newif\if@firstfooterelement\@firstfooterelementtrue
7489 \providecommand*{\footersymbol}{%
7490 \renewcommand*{\footersymbol}{%
7491   \if@firstfooterelement%
7492   \else%
7493     {~~\color{footersymbolcolor}\textbullet~~}\fi}
7494 \providecommand*{\makefooter}{%
7495 \renewcommand*{\makefooter}{%
7496   \fancypagestyle{plain}{%
7497     \fancyfoot[c]{%
7498       \parbox{0.8\textwidth}{%
7499         \centering%
7500         \addressfont\@addresscolour%
7501         \ifthenelse{\isundefined{\@address}}{~}{%
7502           \addresssymbol~\@address\%
7503           \@firstfooterelementfalse}%
7504         \ifthenelse{\isundefined{\@mobile}}{~}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7505         \ifthenelse{\isundefined{\@phone}}{~}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7506         \ifthenelse{\isundefined{\@fax}}{~}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7507         \ifthenelse{\isundefined{\@email}}{~}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
7508         \ifthenelse{\isundefined{\@extrainfo}}{~}{\footersymbol\extrainfo\@firstfooterelementfalse}%
7509       }%
7510     \pagestyle{plain}}
7511 \AtBeginDocument{\makefooter}

```

45 File cvthemebidiclassic.sty

```

7512 \NeedsTeXFormat{LaTeX2e}
7513 \ProvidesPackage{cvthemebidiclassic}
7514 \DeclareOption{blue}{%
7515 \newif\if@colourorange\@colourorangefalse
7516 \DeclareOption{orange}{\@colourorangefalse}

```



```

7517 \newif\if@colourgreen\@colourgreenfalse
7518 \DeclareOption{green}{\@colourgreentrue}
7519 \newif\if@colourred\@colourredfalse
7520 \DeclareOption{red}{\@colourredtrue}
7521 \newif\if@colourgrey\@colourgreyfalse
7522 \DeclareOption{grey}{\@colourgreytrue}
7523 \DeclareOption*{
7524   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7525 \ExecuteOptions{colour}
7526 \ProcessOptions\relax
7527 \renewcommand*{\listitemsymbol}{\textbullet}
7528 \firstnamecolour{}
7529 \familynamecolour{}
7530 \titlecolour{808080}
7531 \quotecolour{696969}
7532 \addresscolour{696969}
7533 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7534 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7535 \sectiontitlecolour{1E90FF}
7536 \subsectioncolour{4682B4}
7537 \if@colourorange
7538   \addresscolour{FF8C00}
7539   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7540   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7541   \sectiontitlecolour{FF8C00}
7542   \subsectioncolour{FF8C00}\fi
7543 \if@colourgreen
7544   \addresscolour{008000}
7545   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7546   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7547   \sectiontitlecolour{008000}
7548   \subsectioncolour{008000}\fi
7549 \if@colourred
7550   \addresscolour{FF0000}
7551   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7552   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7553   \sectiontitlecolour{FF0000}
7554   \subsectioncolour{FF0000}\fi
7555 \if@colourgrey
7556   \addresscolour{808080}
7557   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7558   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7559   \sectiontitlecolour{808080}
7560   \subsectioncolour{808080}\fi
7561 \renewcommand*{\ttdefault}{pcr}
7562 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7563 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7564 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7565 \renewcommand*{\familynamefont}{\firstnamefont}
7566 \renewcommand*{\quote font}{\large\slshape}

```



```

7567 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7568 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7569 \newlength{\maketitlenamemaxwidth}
7570 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7571 \newlength{\maketitlenamefullwidth}
7572 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7573 \newlength{\maketitlenamewidth}
7574 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}%
7575 \newlength{\maketitlepicturewidth}
7576 \setlength{\maketitlepicturewidth}{\@photowidth}
7577 \newlength{\maketitledetailswidth}
7578 \renewcommand*{\recomputethemelengths}{%
7579   \setlength{\maketitledetailswidth}{\textwidth}%
7580   \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
7581   \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7582   \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}}
7583 \recomputethemelengths
7584 \newif\if@firstdetailselement\@firstdetailselementtrue
7585 \newcommand*{\maketitledetailsnewline}{%
7586   \if@firstdetailselement%
7587     \@firstdetailselementfalse%
7588   \else%
7589     \[.2em]\fi}
7590 \renewcommand*{\maketitle}{%
7591   % name and title
7592   \begin{minipage}[b]{\maketitlenamewidth}%
7593     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7594     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}{}
7595   \end{minipage}%
7596   % optional data
7597   \begin{minipage}[b]{\maketitledetailswidth}%
7598     \bidi@raggedleft\addressfont\@addresscolour%
7599     \ifthenelse{\isundefined{\@address}}{\[.2em]}{\%
7600       \maketitledetailsnewline%
7601       \addresssymbol~\@address}%
7602     \ifthenelse{\isundefined{\@mobile}}{\[.2em]}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7603     \ifthenelse{\isundefined{\@phone}}{\[.2em]}{\maketitledetailsnewline\phonesymbol~\@phone}%
7604     \ifthenelse{\isundefined{\@fax}}{\[.2em]}{\maketitledetailsnewline\faxsymbol~\@fax}%
7605     \ifthenelse{\isundefined{\@email}}{\[.2em]}{\maketitledetailsnewline\emailsymbol~\@email}%
7606     \ifthenelse{\isundefined{\@extrainfo}}{\[.2em]}{\maketitledetailsnewline\@extrainfo}%
7607   \end{minipage}%
7608   % optional photo
7609   \ifthenelse{\isundefined{\@photo}}{\[.2em]}{\%
7610     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlepicturewidth]{\@photo}}}%
7611   }
7612   % optional quote
7613   \ifthenelse{\isundefined{\@quote}}{\[.2em]}{\%
7614     {\hspace*{\separatorcolumnwidth}\color{quote}\framebox{\includegraphics[width=\maketitlepicturewidth]{\@quote}}}%
7615   }
7616 }

```



46 File dblfnote-xetex-bidi.def

```

7617 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7618 \let\autofooterule\relax
7619 \let\rightfootnoterule\relax
7620 \let\leftfootnoterule\relax
7621 \let\textwidthfootnoterule\relax
7622 \let\LRfootnoterule\relax
7623 \def\footnoterule{\kern-3\p@
7624   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7625 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7626 \let\@footnotetext\dfn@footnotetext}
7627 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
7628   \let\insert\dfn@gobble
7629   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7630   \def\@makefnmark{\smash{\dfn@makefnmark}}
7631   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7632   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7633   \ifdim\dfn@dima>\z@\else
7634     \dfn@dima1sp\relax
7635   \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7636   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7637     \ifvoid\dfn@ins\else
7638       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7639     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7640   \setbox\dfn@boxa\copy\dfn@ins
7641   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7642   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7643   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7644   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7645   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7646 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7647 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7648 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7649   \let\insert\dfn@gobble
7650   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7651   \def\@makefnmark{\smash{\dfn@makefnmark}}
7652   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7653   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7654   \ifdim\dfn@dima>\z@\else
7655     \dfn@dima1sp\relax
7656   \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7657   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7658     \ifvoid\dfn@ins\else
7659       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7660     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7661   \setbox\dfn@boxa\copy\dfn@ins
7662   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7663   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7664   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb

```




```

7665 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7666 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}%
7667 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7668 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7669 \def\dfn@RTLmakecol{\ifvoid\footins\else
7670 \dfn@dima\ht\footins
7671 \@tempcnta\z@ \dfn@countins
7672 \@tempdima\z@ \let\@elt\dfn@elt@getht
7673 \dfn@list\@nil
7674 \ifdim\@tempdima=\z@\else
7675 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7676 \global\setbox\dfn@ins\box\dfn@ins
7677 \@tempswatrue
7678 \ifdfn@trysingle
7679 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7680 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7681 \advance\@tempdima-\skip\footins
7682 \advance\@tempdima-\ht\dfn@boxa
7683 \ifdim\@tempdima<\z@\else \@tempswafalse
7684 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7685 \footnoterule \unvbox\dfn@boxa}\fi\fi
7686 \if@tempswa
7687 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7688 \global\setbox\footins\vbox{\hbox{%
7689 \hskip \DFNcolumnwidth
7690 \hskip\DFNcolumnsep
7691 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7692 \unvbox\dfn@boxb\vss}\hss}
7693 \hskip -\textwidth
7694 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7695 \vbox to\@tempdima{
7696 \setbox\@tempboxa\vbox{\footnoterule}
7697 \ifdfn@ruleboth \unvbox\@tempboxa
7698 \else \@tempdima\ht\@tempboxa
7699 \advance\@tempdima\dp\@tempboxa
7700 \vskip\@tempdima
7701 \prevdepth\dp\@tempboxa \fi
7702 \unvbox\dfn@boxa\vss}\fi\hss}
7703 \hskip \DFNcolumnsep
7704 \hskip \DFNcolumnwidth}}\fi\fi
7705 \global\dfn@fnht\z@
7706 \ifx\dfn@list\@empty\else
7707 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7708 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7709 \let\@elt\relax
7710 \ifdim\dfn@dimb>\z@
7711 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7712 \insert\footins{\floatingpenalty\@MM
7713 \vbox to\dfn@dimb{}}\fi
7714 \ifdim\dfn@fnht>\@tempdima

```



```

7715 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7716 \global\dfn@fnht\@tempdima
7717 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7718 \xdef\dfn@afteroutput{\insert\footins{
7719 \floatingpenalty\@MM
7720 \vbox to\number\@tempdimb sp{}}}%
7721 \global\let\noexpand\dfn@afteroutput\relax}%
7722 \fi\fi
7723 \fi}%
7724 \let\footnoterule\relax \dfn@latex@makecol
7725 \let\footnoterule\dfn@footnoterule}
7726 \def\dfn@LTRmakecol{\ifvoid\footins\else
7727 \dfn@dima\ht\footins
7728 \@tempcnta\z@ \dfn@countins
7729 \@tempdima\z@ \let\@elt\dfn@elt@getht
7730 \dfn@list\@nil
7731 \ifdim\@tempdima=\z@\else
7732 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7733 \global\setbox\dfn@ins\box\dfn@ins
7734 \@tempwattrue
7735 \ifdfn@trysingle
7736 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7737 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7738 \advance\@tempdima-\skip\footins
7739 \advance\@tempdima-\ht\dfn@boxa
7740 \ifdim\@tempdima<\z@\else \@tempswafalse
7741 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7742 \footnoterule \unvbox\dfn@boxa}\fi\fi
7743 \if@tempswa
7744 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7745 \global\setbox\footins\vbox{\hbox{%
7746 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7747 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7748 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7749 \vbox to\@tempdima{
7750 \setbox\@tempboxa\vbox{\footnoterule}
7751 \ifdfn@ruleboth \unvbox\@tempboxa
7752 \else \@tempdima\ht\@tempboxa
7753 \advance\@tempdima\dp\@tempboxa
7754 \vskip\@tempdima
7755 \prevdepth\dp\@tempboxa \fi
7756 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7757 \global\dfn@fnht\z@
7758 \ifx\dfn@list\@empty\else
7759 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7760 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7761 \let\@elt\relax
7762 \ifdim\dfn@dimb>\z@
7763 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7764 \insert\footins{\floatingpenalty\@MM

```



```

7765 \vbox to\dfn@dimb{}\fi
7766 \ifdim\dfn@fnht>\@tempdima
7767 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7768 \global\dfn@fnht\@tempdima
7769 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7770 \xdef\dfn@afteroutput{\insert\footins{
7771 \floatingpenalty\MM
7772 \vbox to\number\@tempdimb sp{}}}%
7773 \global\let\noexpand\dfn@afteroutput\relax}%
7774 \fi\fi
7775 \fi}%
7776 \let\footnoterule\relax \dfn@latex@makecol
7777 \let\footnoterule\dfn@footnoterule}
7778 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7779 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7780 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7781 \DFNalwaysdouble

```

47 File diagbox-xetex-bidi.def

```

7782 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
7783 \bidi@patchcmd{\diagbox@double}{%
7784 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7785 }{\bidi@@diagbox@double@ii}{\fi}
7786 \bidi@patchcmd{\diagbox@double}{%
7787 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7788 }{\bidi@@diagbox@double@iii}{\fi}
7789 \newcommand*{\bidi@@diagbox@double@ii}{%
7790 \if@RTL
7791 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
7792 \else
7793 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7794 \fi
7795 }
7796 \newcommand*{\bidi@@diagbox@double@iii}{%
7797 \if@RTL
7798 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7799 \else
7800 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7801 \fi
7802 }
7803 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7804 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7805 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{\fi}
7806 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7807 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7808 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{\fi}
7809 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7810 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7811 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{\fi}

```



```

7812 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
7813   \if@RTL
7814     \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
7815     \else
7816       \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7817     \fi
7818 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
7819   \if@RTL
7820     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7821     \else
7822       \begin{tabular}{@{>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7823     \fi
7824 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
7825 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7826   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
7827 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
7828 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7829   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7830 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7831 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7832   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7833 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7834 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
7835   \if@RTL
7836     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}}
7837   \else
7838     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
7839   \fi
7840 }
7841 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
7842   \if@RTL
7843     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
7844   \else
7845     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}
7846   \fi
7847 }
7848 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
7849 \bidi@patchcmd{\diagbox@double@pict@SE}{%
7850   \diagbox@setlinecolor
7851   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
7852 }{%
7853   {\diagbox@setlinecolor
7854     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
7855 }{-}{-}
7856 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
7857 \bidi@patchcmd{\diagbox@double@pict@NE}{%
7858   \diagbox@setlinecolor
7859   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
7860 }{%
7861   {\diagbox@setlinecolor

```



```

7862 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
7863 }{}{}
7864 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
7865 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
7866 \diagbox@setlinecolor
7867 \Line(0,\yym)(\x,0)
7868 \Line(\xm,\y)(\x,0)}%
7869 }{%
7870 {\diagbox@setlinecolor
7871 \Line(0,\yym)(\x,0)
7872 \Line(\xm,\y)(\x,0)}%
7873 }{}{}
7874 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
7875 \diagbox@setlinecolor
7876 \Line(0,0)(\xxm,\y)
7877 \Line(0,0)(\x,\yym)}%
7878 }{%
7879 {\diagbox@setlinecolor
7880 \Line(0,0)(\xxm,\y)
7881 \Line(0,0)(\x,\yym)}%
7882 }{}{}
7883 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
7884 \diagbox@setlinecolor
7885 \Line(0,\ym)(\x,\y)
7886 \Line(\xm,0)(\x,\y)}%
7887 }{%
7888 {\diagbox@setlinecolor
7889 \Line(0,\ym)(\x,\y)
7890 \Line(\xm,0)(\x,\y)}%
7891 }{}{}
7892 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
7893 \diagbox@setlinecolor
7894 \Line(0,\y)(\xxm,0)
7895 \Line(0,\y)(\x,\ym)}%
7896 }{%
7897 {\diagbox@setlinecolor
7898 \Line(0,\y)(\xxm,0)
7899 \Line(0,\y)(\x,\ym)}%
7900 }{}{}

```

48 File draftwatermark-xetex-bidi.def

```

7901 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
7902 \renewcommand\SetWatermarkText[1]{%
7903 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

49 File eso-pic-xetex-bidi.def

```

7904 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package]
7905 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%

```



```

7906 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
7907
7908 \ESO@isMEMOIR{%
7909 \renewcommand\AtTextUpperLeft[1]{%
7910 \begingroup
7911 \ifodd\c@page
7912 \@tempdima=\spinemargin
7913 \else
7914 \@tempdima=\paperwidth
7915 \advance\@tempdima-\textwidth
7916 \advance\@tempdima-\spinemargin
7917 \fi
7918 \@tempdimb=-\uppermargin
7919 \AtPageUpperLeft{%
7920 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7921 }%
7922 \endgroup
7923 }
7924 }{%
7925 \renewcommand\AtTextUpperLeft[1]{%
7926 \begingroup
7927 \@tempdima=1in\relax
7928 \ifodd\c@page
7929 \advance\@tempdima\oddsidemargin
7930 \else
7931 \advance\@tempdima\evensidemargin
7932 \fi
7933 \@tempdimb=-1in\relax
7934 \advance\@tempdimb-\topmargin
7935 \advance\@tempdimb-\headheight
7936 \advance\@tempdimb-\headsep
7937 \AtPageUpperLeft{%
7938 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7939 }%
7940 \endgroup
7941 }
7942 }

```

50 File empheq-xetex-bidi.def

```

7943 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for X]
7944 \MHInternalSyntaxOn
7945 \def\EQ_tag_plus_endmark:{%
7946 \iftagsleft@
7947 \gdef\maketag@@@#1{%
7948 \hfuzz\displaywidth
7949 \if@RTL\makebox[\widthof{#1}][r]{%
7950 \hbox to \displaywidth{\m@th\normalfont#1\hss
7951 \raisebox{-\dp\EQ_mathdisplay_box
7952 -\depthof{\EQ_outerbox:}}{}}

```



```

7953         {\PotEndMark{\hss}}}}
7954 \else\makebox[\widthof{##1}][l]{%
7955   \hbox to \displaywidth{\m@th\normalfont##1\hss
7956     \raisebox{-\dp\EQ_mathdisplay_box
7957       -\depthof{\EQ_outerbox:}}}}
7958   {\PotEndMark{\hss}}}\fi}%
7959 \MH_else:
7960   \gdef\maketag@@@##1{%
7961     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
7962       \settoheight{\@tempdima}{\@nameuse{InTheoType Symbol}}}%
7963       \MH_addtolength:dn \@tempdima
7964         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7965       \setlength{\@tempdimb
7966         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7967         +\depthof{\EQ_innerbox:}}}}
7968     \MH_if_dim:w \@tempdima>\@tempdimb
7969       \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7970         -\@tempdima+\g_EQ_bottomrow_depth_dim}
7971       \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
7972     \def\EQ_next:{\raisebox{\@tempdima}}}%
7973   \MH_else:
7974     \def\EQ_next:{
7975       \raisebox{-\dp\EQ_mathdisplay_box
7976         -\depthof{\EQ_outerbox:}}}}}%
7977   \MH_fi:\EQ_next:}}}%
7978 \MH_fi:}
7979 \def\EQ_post_process:{%
7980   \EQ_initialize:
7981   \EQ_begin_equation:
7982   \MH_if_boolean:nT {outer_mult}{
7983     \setkeys{\MT_options_name:}{
7984       firstline-afterskip=0pt,
7985       lastline-preskip=0pt,
7986       multlined-width=0pt,
7987     }
7988     \ifodd \l_EQ_alignmentmode_int
7989       \setkeys{\MT_options_name:}{multlined-pos=b}
7990     \MH_else:
7991       \setkeys{\MT_options_name:}{multlined-pos=t}
7992   \MH_fi:
7993     \g@addto@macro\EQ_complete_mathdisplay:{
7994       \begin{MTmultlined}\relax
7995     }
7996     \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7997     \MH_if_boolean:nT {outer_mult}{
7998       \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7999     }
8000   \EQ_end_equation:
8001   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8002   \savecounters@

```



```

8003 \EQ_typeset_tags:
8004 \edef\l_EQ_equation_fint{\number\c@equation}
8005 \restorecounters@
8006 \Hy@linkcounter=\EQ_hyperref_link_fint
8007 \settowidth\l_EQ_totalwidth_dim{%
8008   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
8009 \MH_if_boolean:nTF {outer_mult}
8010   { \def\EQ_next:{_mult} }
8011   { \def\EQ_next:{} }
8012 \@nameuse{EQ_modify_linewidth_
8013   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8014 \EQ_typeset_display:
8015 \@nameuse{EQ_find_displaywidth_
8016   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8017 \MH_addtolength:dn
8018   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8019 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8020   $\EQ_left_side:
8021   \EQ_innerbox:{%
8022     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8023     \makebox[\l_EQ_displaywidth_dim][c]
8024       {\usebox{\EQ_mathdisplay_box}}}%
8025     \MH_or:
8026     \makebox[\l_EQ_displaywidth_dim][c]
8027       {\usebox{\EQ_mathdisplay_box}}}%
8028     \MH_or:
8029     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8030       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8031       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8032       \kern-\@mathmargin
8033       \MH_fi:
8034       \MH_fi:
8035       \usebox{\EQ_mathdisplay_box}}}%
8036     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8037       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8038       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8039       \kern-\@mathmargin
8040       \MH_fi:
8041       \MH_fi:
8042       \usebox{\EQ_mathdisplay_box}}\fi%
8043     \MH_or:
8044     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8045       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8046       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8047       \kern-\@mathmargin
8048       \MH_fi:
8049       \MH_fi:
8050       \usebox{\EQ_mathdisplay_box}}
8051     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8052       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:

```




```

8053         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8054         \kern-\@mathmargin
8055         \MH_fi:
8056         \MH_fi:
8057         \usebox{\EQ_mathdisplay_box}}\fi%
8058     \MH_fi:}%
8059     \EQ_right_side:$}%
8060 \begin{AmSequation*}
8061 \@nameuse{EQ_place_display_
8062     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8063 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8064 \MH_set_boolean_T:n {show_manual_tags}
8065     \MH_if_case:w \l_EQ_alignmentmode_int
8066     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
8067     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
8068     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
8069     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
8070     \MH_fi:
8071 \MH_fi:
8072 \end{AmSequation*}
8073 \global\c@equation=\l_EQ_equation_fint\relax
8074 }
8075 \AtBeginDocument{%
8076 \@ifpackageloaded{fancybox}{%
8077     \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8078     {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
8079     \renewcommand*{\shadowbox{%
8080         \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
8081             \VerbBox\EQ_shadowbox:n}
8082             {\MH_set_boolean_F:n {shadowbox_star}
8083             \VerbBox\EQ_shadowbox:n}}
8084 \def\EQ_shadowbox:n #1{%
8085     \sbox{\z@}{\fbox{#1}}}%
8086     \MH_if_boolean:nTF {shadowbox_star}{
8087         \MH_setlength:dn \@tempdima{\z@}%
8088     }{
8089         \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8090     }
8091     \raisebox{\@tempdima}{%
8092         \if@RTL\makebox[\z@][r]{%
8093             \kern\shadowsize \textcolor{shadowcolor}{%
8094                 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8095         }%
8096         \else\makebox[\z@][l]{%
8097             \kern\shadowsize \textcolor{shadowcolor}{%
8098                 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8099         }\fi%
8100     \usebox\z@\textcolor{shadowcolor}{%
8101         \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8102     }{}%

```



```

8103 }
8104 \MHInternalSyntaxOff

```

51 File extarticle-xetex-bidi.def

```

8105 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8106 \renewcommand*\l@section[2]{%
8107   \ifnum \c@tocdepth >\z@
8108     \addpenalty\@secpenalty
8109     \addvspace{1.0em \@plus\p@}%
8110     \setlength\@tempdima{1.5em}%
8111     \begingroup
8112       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8113       \parfillskip -\@pnumwidth
8114       \leavevmode \bfseries
8115       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
8116       \hskip -\if@RTL\rightskip\else\leftskip\fi
8117       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8118     \endgroup
8119   \fi}
8120 \renewcommand*\l@part[2]{%
8121   \ifnum \c@tocdepth >-2\relax
8122     \addpenalty\@secpenalty
8123     \addvspace{2.25em \@plus\p@}%
8124     \begingroup
8125       \setlength\@tempdima{3em}%
8126       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8127       \parfillskip -\@pnumwidth
8128       {\leavevmode
8129         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8130       \nobreak
8131     \endgroup
8132   \fi}
8133 \def\@part[#1]#2{%
8134   \ifnum \c@secnumdepth >\m@ne
8135     \refstepcounter{part}%
8136     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8137   \else
8138     \addcontentsline{toc}{part}{#1}%
8139   \fi
8140   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8141     \interlinepenalty \@M
8142     \normalfont
8143     \ifnum \c@secnumdepth >\m@ne
8144       \Large\bfseries \partname~\thepart
8145     \par\nobreak
8146     \fi
8147     \huge \bfseries #2%
8148     \markboth{}{}\par}%
8149   \nobreak

```



```

8150 \vskip 3ex
8151 \@afterheading}
8152 \def\@spart#1{%
8153   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8154     \interlinepenalty \@M
8155     \normalfont
8156     \huge \bfseries #1\par}%
8157   \nobreak
8158   \vskip 3ex
8159   \@afterheading}
8160 \renewenvironment{thebibliography}[1]
8161   {\section*{\refname
8162     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8163     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8164     \bidi@thebibliography@font@hook%
8165     \list{\@biblabel{\@arabic\c@enumiv}}%
8166     {\settowidth\labelwidth{\@biblabel{#1}}%
8167       \leftmargin\labelwidth
8168       \advance\leftmargin\labelsep
8169       \@openbib@code
8170       \usecounter{enumiv}%
8171       \let\p@enumiv\@empty
8172       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8173     \sloppy\clubpenalty4000\widowpenalty4000%
8174     \sfcode`.\@m}
8175   {\def\@noitemerr
8176     {\@latex@warning{Empty `thebibliography' environment}}%
8177     \endlist}
8178 \renewcommand\left@footnoterule{%
8179   \kern-3\p@
8180   \hrule\@width.4\columnwidth
8181   \kern2.6\p@}
8182 \renewcommand\right@footnoterule{%
8183   \kern-3\p@
8184   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8185   \kern2.6\p@}
8186   \if@titlepage
8187   \renewcommand\maketitle{\begin{titlepage}%
8188     \let\footnotesize\small
8189     \let\right@footnoterule\relax
8190     \let\left@footnoterule\relax
8191     \let\textwidth\footnoterule\relax
8192     \let \footnote \thanks
8193     \null\vfil
8194     \vskip 60\p@
8195     \begin{center}%
8196       {\LARGE \@title \par}%
8197       \vskip 3em%
8198       {\large
8199         \lineskip .75em%

```



```

8200     \begin{tabular}[t]{c}%
8201         \@author
8202     \end{tabular}\par}%
8203     \vskip 1.5em%
8204     {\large \@date \par}%           % Set date in \large size.
8205 \end{center}\par
8206 \@thanks
8207 \vfil\null
8208 \end{titlepage}%
8209 \setcounter{footnote}{0}%
8210 \global\let\thanks\relax
8211 \global\let\maketitle\relax
8212 \global\let\@thanks\@empty
8213 \global\let\@author\@empty
8214 \global\let\@date\@empty
8215 \global\let\@title\@empty
8216 \global\let\title\relax
8217 \global\let\author\relax
8218 \global\let\date\relax
8219 \global\let\and\relax
8220 }
8221 \else
8222 \renewcommand\maketitle{\par
8223     \begingroup
8224         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8225         \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8226         \long\def\@makefntext##1{\parindent 1em\noindent
8227             \hb@xt@1.8em{%
8228                 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8229         \if@twocolumn
8230             \ifnum \col@number=\@ne
8231                 \@maketitle
8232             \else
8233                 \twocolumn[\@maketitle]%
8234             \fi
8235         \else
8236             \newpage
8237             \global\@topnum\z@    % Prevents figures from going at top of page.
8238             \@maketitle
8239             \fi
8240         \thispagestyle{plain}\@thanks
8241     \endgroup
8242     \setcounter{footnote}{0}%
8243     \global\let\thanks\relax
8244     \global\let\maketitle\relax
8245     \global\let\@maketitle\relax
8246     \global\let\@thanks\@empty
8247     \global\let\@author\@empty
8248     \global\let\@date\@empty
8249     \global\let\@title\@empty

```



```

8250 \global\let\title\relax
8251 \global\let\author\relax
8252 \global\let\date\relax
8253 \global\let\and\relax
8254 }
8255 \def\@maketitle{%
8256 \newpage
8257 \null
8258 \vskip 2em%
8259 \begin{center}%
8260 \let \footnote \thanks
8261 {\LARGE \@title \par}%
8262 \vskip 1.5em%
8263 {\large
8264 \lineskip .5em%
8265 \begin{tabular}[t]{c}%
8266 \@author
8267 \end{tabular}\par}%
8268 \vskip 1em%
8269 {\large \@date}%
8270 \end{center}%
8271 \par
8272 \vskip 1.5em}
8273 \fi
8274 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8275 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8276 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8277 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

52 File extbook-xetex-bidi.def

```

8278 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8279 \if@titlepage
8280 \renewcommand\maketitle{\begin{titlepage}%
8281 \let\footnotesize\small
8282 \let\right@footnoterule\relax
8283 \let\left@footnoterule\relax
8284 \let\textwidth\footnoterule\relax
8285 \let \footnote \thanks
8286 \let \LTRfootnote \LTRthanks
8287 \let \RTLfootnote \RTLthanks
8288 \null\vfil
8289 \vskip 60\p@
8290 \begin{center}%
8291 {\LARGE \@title \par}%
8292 \vskip 3em%
8293 {\large
8294 \lineskip .75em%
8295 \begin{tabular}[t]{c}%
8296 \@author

```



```

8297     \end{tabular}\par}%
8298     \vskip 1.5em%
8299     {\large \@date \par}%           % Set date in \large size.
8300 \end{center}\par
8301 \@thanks
8302 \vfil\null
8303 \end{titlepage}%
8304 \setcounter{footnote}{0}%
8305 \global\let\thanks\relax
8306 \global\let\LTRthanks\relax
8307 \global\let\RTLthanks\relax
8308 \global\let\maketitle\relax
8309 \global\let\@thanks\@empty
8310 \global\let\@author\@empty
8311 \global\let\@date\@empty
8312 \global\let\@title\@empty
8313 \global\let\title\relax
8314 \global\let\author\relax
8315 \global\let\date\relax
8316 \global\let\and\relax
8317 }
8318 \else
8319 \renewcommand\maketitle{\par
8320 \begingroup
8321   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8322   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8323   \long\def\@makefntext##1{\parindent 1em\noindent
8324     \hbext@1.8em{%
8325       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8326   \if@twocolumn
8327     \ifnum \col@number=\@ne
8328       \@maketitle
8329     \else
8330       \twocolumn[\@maketitle]%
8331     \fi
8332   \else
8333     \newpage
8334     \global\@topnum\z@   % Prevents figures from going at top of page.
8335     \@maketitle
8336   \fi
8337   \thispagestyle{plain}\@thanks
8338 \endgroup
8339 \setcounter{footnote}{0}%
8340 \global\let\thanks\relax
8341 \global\let\LTRthanks\relax
8342 \global\let\RTLthanks\relax
8343 \global\let\maketitle\relax
8344 \global\let\@maketitle\relax
8345 \global\let\@thanks\@empty
8346 \global\let\@author\@empty

```



```

8347 \global\let\@date\@empty
8348 \global\let\@title\@empty
8349 \global\let\title\relax
8350 \global\let\author\relax
8351 \global\let\date\relax
8352 \global\let\and\relax
8353 }
8354 \def\@maketitle{%
8355   \newpage
8356   \null
8357   \vskip 2em%
8358   \begin{center}%
8359     \let \footnote \thanks
8360     \let \LTRfootnote \LTRthanks
8361     \let \RTLfootnote \RTLthanks
8362     {\LARGE \@title \par}%
8363     \vskip 1.5em%
8364     {\large
8365       \lineskip .5em%
8366       \begin{tabular}[t]{c}%
8367         \@author
8368       \end{tabular}\par}%
8369     \vskip 1em%
8370     {\large \@date}%
8371   \end{center}%
8372   \par
8373   \vskip 1.5em}
8374 \fi
8375 \renewcommand*\l@part[2]{%
8376   \ifnum \c@tocdepth >-2\relax
8377     \addpenalty{-\@highpenalty}%
8378     \addvspace{2.25em \@plus\p}%
8379     \begingroup
8380       \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
8381       \parfillskip -\@pnumwidth
8382       {\leavevmode
8383         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8384       \nobreak
8385       \global\@nobreaktrue
8386       \everypar{\global\@nobreakfalse\everypar{}}%
8387     \endgroup
8388   \fi}
8389 \renewcommand\theequation
8390   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8391 \renewcommand \thefigure
8392   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8393 \renewcommand \thetable
8394   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8395 \renewcommand \thechapter {\@arabic\c@chapter}
8396 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}

```



```

8397 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
8398 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8399 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8400 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8401 \def\@makechapterhead#1{%
8402 \vspace*{50\p@}%
8403 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8404 \ifnum \c@secnumdepth >\m@ne
8405 \if@mainmatter
8406 \huge\bfseries \@chapapp\space \thechapter
8407 \par\nobreak
8408 \vskip 20\p@
8409 \fi
8410 \fi
8411 \interlinepenalty\@M
8412 \Huge \bfseries #1\par\nobreak
8413 \vskip 40\p@
8414 }}
8415
8416 \def\@makeschapterhead#1{%
8417 \vspace*{50\p@}%
8418 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8419 \normalfont
8420 \interlinepenalty\@M
8421 \Huge \bfseries #1\par\nobreak
8422 \vskip 40\p@
8423 }}
8424 \renewcommand\backmatter{%
8425 \if@openright
8426 \cleardoublepage
8427 \else
8428 \clearpage
8429 \fi
8430 \@mainmatterfalse}
8431 \renewenvironment{thebibliography}[1]
8432 {\chapter*\bibname
8433 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8434 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8435 \bidi@thebibliography@font@hook%
8436 \list{\@biblabel{\@arabic\c@enumiv}}%
8437 {\settowidth\labelwidth{\@biblabel{#1}}%
8438 \leftmargin\labelwidth
8439 \advance\leftmargin\labelsep
8440 \@openbib@code
8441 \usecounter{enumiv}%
8442 \let\p@enumiv\@empty
8443 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8444 \sloppy
8445 \clubpenalty4000
8446 \@clubpenalty \clubpenalty

```




```

8447 \widowpenalty4000%
8448 \sfcode`\.\@m}
8449 {\def\@noitemerr
8450 {\@latex@warning{Empty `thebibliography' environment}}}%
8451 \endlist}

```

53 File extletter-xetex-bidi.def

```

8452 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8453 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
8454 \thispagestyle{firstpage}%
8455 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8456 \else % home address
8457 \thispagestyle{empty}%
8458 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8459 \fromaddress \*[2\parskip]%
8460 \@date \end{tabular}\par}%
8461 \fi
8462 \vspace{2\parskip}%
8463 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
8464 \vspace{2\parskip}%
8465 #1\par\nobreak}
8466 \renewcommand\closing[1]{\par\nobreak\vspace{\parskip}%
8467 \stopbreaks
8468 \noindent
8469 \ifx\@empty\fromaddress\else
8470 \hspace*{\longindentation}\fi
8471 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8472 \ignorespaces #1\*[6\medskipamount]%
8473 \ifx\@empty\fromsig
8474 \fromname
8475 \else \fromsig \fi\strut}%
8476 \par}
8477 \renewcommand\left@footnoterule{%
8478 \kern-\p@
8479 \hrule \@width .4\columnwidth
8480 \kern .6\p@}
8481 \renewcommand\right@footnoterule{%
8482 \kern-\p@
8483 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8484 \kern .6\p@}

```

54 File extrafootnotefeatures-xetex-bidi.def

```

8485 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2017/05/19 v1.1 bidi extra footnote features]
8486 \newcommand*\@bidi@before@Hy@hyperfootnotes{%
8487 \if@bidi@csundef{\ifHy@hyperfootnotes}{\}%
8488 \if@bidi@csundef{HLTR@LTRfootnotetext}{\}%
8489 \ifHy@hyperfootnotes
8490 \let\@H@footnotetext\@footnotetext

```



```

8491 \let\@HLTR@LTrfootnotetext\LTrfootnotetext
8492 \let\@HRTL@RTLfootnotetext\RTLfootnotetext
8493 \let\@H@mpfootnotetext\mpfootnotetext
8494 \let\@HLTR@mpLTrfootnotetext\mpLTrfootnotetext
8495 \let\@HRTL@mpRTLfootnotetext\mpRTLfootnotetext
8496 \fi
8497 }%
8498 }%
8499 }
8500 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8501 \if@bidi@csundef{ifHy@hyperfootnotes}{}%
8502 \if@bidi@csundef{HLTR@LTrfootnotetext}{}%
8503 \ifHy@hyperfootnotes
8504 \let\H@mpfootnotetext\footnotetext
8505 \let\@footnotetext\@H@mpfootnotetext
8506 \let\HLTR@LTrfootnotetext\LTrfootnotetext
8507 \let\@LTrfootnotetext\@HLTR@LTrfootnotetext
8508 \let\HRTL@RTLfootnotetext\RTLfootnotetext
8509 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
8510 \let\H@mpfootnotetext\mpfootnotetext
8511 \let\@mpfootnotetext\@H@mpfootnotetext
8512 \let\HLTR@mpLTrfootnotetext\mpLTrfootnotetext
8513 \let\@mpLTrfootnotetext\@HLTR@mpLTrfootnotetext
8514 \let\HRTL@mpRTLfootnotetext\mpRTLfootnotetext
8515 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
8516 \fi
8517 }%
8518 }%
8519 }
8520 \let\autofooterule\relax
8521 \let\rightfootnoterule\relax
8522 \let\leftfootnoterule\relax
8523 \let\textwidthfootnoterule\relax
8524 \let\LRfootnoterule\relax
8525 \def\footnoterule{\kern-3\p@
8526 \hrule \@width \columnwidth \kern 2.6\p@}
8527 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8528 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8529 \renewcommand{\@footnotetext}[1]{%
8530 \insert\footins{%
8531 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8532 \def\baselinestretch{\m@m@footnote@spacing}%
8533 \reset@font
8534 \foottextfont
8535 \@preamfntext
8536 \hsize\columnwidth
8537 \protected@edef\@currentlabel{%
8538 \csname p@footnote\endcsname\@thefnmark}%
8539 \color@begingroup
8540 \@makefntext{%

```



```

8541         \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8542         \@finalstrut\strutbox}%
8543     \color@endgroup}%
8544     \m@mmf@prepare}
8545 \renewcommand{\@RTLfootnotetext}[1]{%
8546     \insert\footins{%
8547         \@RTLtrue%
8548         \def\baselinestretch{\m@m@footnote@spacing}%
8549         \reset@font
8550         \RTLfoottextfont
8551         \@preamfntext
8552         \hsize\columnwidth
8553         \protected@edef\@currentlabel{%
8554             \csname p@footnote\endcsname\@thefnmark}%
8555         \color@begingroup
8556         \@makefntext{%
8557             \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8558             \@finalstrut\strutbox}%
8559         \color@endgroup}%
8560         \m@mmf@prepare}
8561 \renewcommand{\@LTRfootnotetext}[1]{%
8562     \insert\footins{%
8563         \@RTLfalse%
8564         \def\baselinestretch{\m@m@footnote@spacing}%
8565         \reset@font
8566         \LTRfoottextfont
8567         \@preamfntext
8568         \hsize\columnwidth
8569         \protected@edef\@currentlabel{%
8570             \csname p@footnote\endcsname\@thefnmark}%
8571         \color@begingroup
8572         \@makefntext{%
8573             \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8574             \@finalstrut\strutbox}%
8575         \color@endgroup}%
8576         \m@mmf@prepare}
8577 \renewcommand{\@mpfootnotetext}[1]{%
8578     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8579         \unvbox\@mpfootins
8580         \def\baselinestretch{\m@m@footnote@spacing}%
8581         \foottextfont \hsize\columnwidth \@parboxrestore
8582         \protected@edef\@currentlabel{%
8583             \csname p@mpfootnote\endcsname\@thefnmark}%
8584         \color@begingroup
8585         \reset@font%
8586         \@makefntext{%
8587             \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8588             \@finalstrut\strutbox}%
8589         \color@endgroup}}
8590 \renewcommand{\@mpLTRfootnotetext}[1]{%

```



```

8591 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8592   \unvbox\@mpfootins
8593   \def\baselinestretch{\m@m@footnote@spacing}%
8594   \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8595   \protected@edef\@currentlabel{%
8596     \csname p@mpfootnote\endcsname\@thefnmark}%
8597   \color@begingroup
8598   \reset@font%
8599   \@makefntext{%
8600     \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8601     \@finalstrut\strutbox}%
8602   \color@endgroup}}
8603 \renewcommand{\@mpRTLfootnotetext}[1]{%
8604   \global\setbox\@mpfootins\vbox{\@RTLtrue%
8605     \unvbox\@mpfootins
8606     \def\baselinestretch{\m@m@footnote@spacing}%
8607     \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8608     \protected@edef\@currentlabel{%
8609       \csname p@mpfootnote\endcsname\@thefnmark}%
8610     \color@begingroup
8611     \reset@font%
8612     \@makefntext{%
8613       \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8614       \@finalstrut\strutbox}%
8615     \color@endgroup}}
8616 \let\m@mold@footnotetext\@footnotetext
8617 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8618 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8619 \let\m@mold@mpfootnotetext\@mpfootnotetext
8620 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8621 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8622 \bidi@ensure@newcommand{\normalfootnotes}{%
8623   \@bidi@before@Hy@hyperfootnotes
8624   \let\@footnotetext\m@mold@footnotetext
8625   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8626   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8627   \let\@mpfootnotetext\m@mold@mpfootnotetext
8628   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8629   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8630   \@bidi@after@Hy@hyperfootnotes}
8631 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8632 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruer}
8633 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
8634 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8635   \def\m@m@singlespace{#1}%
8636   \def\m@m@footnote@spacing{#1}%
8637   \def\m@m@float@spacing{#1} %
8638 }
8639 \setSingleSpace{1}
8640 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}

```



```

8641 \bidi@ensure@newcommand*{\m@mmf@prepare}{%
8642   \kern-\multiplefootnotemarker
8643   \kern\multiplefootnotemarker\relax}
8644 \bidi@ensure@newlength{\footmarkwidth}
8645 \bidi@ensure@newlength{\footmarksep}
8646 \bidi@ensure@newlength{\footparindent}
8647 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8648 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8649 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8650 \bidi@ensure@newcommand{\footfootmark}{%
8651   \ifdim\footmarkwidth < \z@
8652     \llap{\hb@xt@ -\footmarkwidth{%
8653       \hss\normalfont\footscript{\@thefnmark}}}%
8654     \hspace*{-\footmarkwidth}}%
8655   \else
8656     \ifdim\footmarkwidth = \z@
8657       {\normalfont\footscript{\@thefnmark}}%
8658     \else
8659       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8660     \fi
8661   \fi}
8662 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8663   \ifdim\footmarkwidth < \z@
8664     \llap{\hb@xt@ -\footmarkwidth{%
8665       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8666     \hspace*{-\footmarkwidth}}%
8667   \else
8668     \ifdim\footmarkwidth = \z@
8669       {\normalfont\LTRfootscript{\@thefnmark}}%
8670     \else
8671       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8672     \fi
8673   \fi}
8674 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8675   \ifdim\footmarkwidth < \z@
8676     \llap{\hb@xt@ -\footmarkwidth{%
8677       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8678     \hspace*{-\footmarkwidth}}%
8679   \else
8680     \ifdim\footmarkwidth = \z@
8681       {\normalfont\RTLfootscript{\@thefnmark}}%
8682     \else
8683       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8684     \fi
8685   \fi}
8686 \footmarkstyle{\textsuperscript{#1}}
8687 \LTRfootmarkstyle{\textsuperscript{#1}}
8688 \RTLfootmarkstyle{\textsuperscript{#1}}
8689 \setlength{\footmarkwidth}{1em plus .4em minus .4em}
8690 \setlength{\footparindent}{1em}

```



```

8691 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8692 \bidi@ensure@newcommand*{\extrafeetins}{%
8693   \setbox\@outputbox \vbox{%
8694     \boxmaxdepth \@maxdepth
8695     \unvbox\@outputbox
8696     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8697     \extrafeetinshook}}
8698 \bidi@ensure@newcommand{\extrafeetinshook}{%}
8699 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8700 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8701 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8702 \bidi@ensure@newlength{\footinsdim}
8703 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8704 \bidi@ensure@newcommand{\@preamfntext}{%
8705   \interlinepenalty\interfootnotelinepenalty
8706   \floatingpenalty \@MM
8707   \splittopskip=\footnotesep
8708   \splitmaxdepth=\dp\strutbox
8709   \@parboxrestore}
8710 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8711   \extrafeetminihook}
8712 \bidi@ensure@newcommand{\extrafeetendmini}{%
8713   \ifvoid\@mpfootinsv@r\else
8714     \vskip\skip\@mpfootins
8715     \normalcolor\footnoterule\mp@footgroupv@r
8716     \fi
8717     \extrafeetendminihook}
8718 \bidi@ensure@newcommand{\extrafeetendminihook}{%}
8719 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8720 \def\endminipage{%
8721   \par
8722   \unskip
8723   \ifvoid\@mpfootins\else
8724     \vskip\skip\@mpfootins
8725     \normalcolor
8726     \footnoterule
8727     \unvbox\@mpfootins
8728   \fi
8729   \m@mdoextrafeetendmini
8730   \@minipagefalse
8731   \color@endgroup
8732   \egroup
8733   \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
8734 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8735   \@namedef{@footstart#1}{%
8736     \bidi@mopfn@bottom
8737     \vskip\bigskipamount
8738     \leftskip=\z@
8739     \rightskip=\z@
8740     \footnoterule}}

```



```

8741 \newinsert\footinsv@r
8742 \skip\footinsv@r\bigskipamount
8743 \count\footinsv@r=1000 % no magnification
8744 \dimen\footinsv@r=\footinsdim
8745 \m@make@footstart{v@r}
8746 \bidi@ensure@newcommand{\@footgroupv@r}{}
8747 \newinsert\@mpfootinsv@r
8748 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
8749 \newcount\m@m@k \newdimen\m@m@h
8750 \@ifpackageloaded{multicol}{%
8751 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8752 \hsize\textwidth
8753 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8754 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8755 }{%
8756 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8757 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8758 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8759 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8760 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8761 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8762 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8763 \setbox2 \vsplit0 to \dimen0
8764 \unvbox2 }
8765 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8766 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8767 \@bidi@before@Hy@hyperfootnotes
8768 \let\@footnotetext\@twocolfootnotetext
8769 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8770 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8771 \dimen\footinsv@r=2\footinsdim
8772 \count\footinsv@r=500\relax
8773 \m@make@twocol@footgroup{v@r}%
8774 \let\@footgroupv@r\@twocol@footgroupv@r
8775 \let\@mpfootnotetext\@mptwocolfootnotetext
8776 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8777 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8778 \@bidi@after@Hy@hyperfootnotes
8779 \m@make@mptwocol@footgroup{v@r}%
8780 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
8781 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
8782 \def\baselinestretch{\m@m@footnote@spacing}%
8783 \reset@font\foottextfont
8784 \@preamfntext
8785 \protected@edef\@currentlabel{%
8786 \csname p@footnote\endcsname\@thefnmark}%
8787 \color@begingroup
8788 \@twocolfootfmt{#1}%
8789 \color@endgroup}%
8790 \m@mmf@prepare}

```



```

8791 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
8792 \def\baselinestretch{\m@m@footnote@spacing}%
8793 \reset@font\LTRfoottextfont
8794 \@preamfntext
8795 \protected@edef\@currentlabel{%
8796 \csname p@footnote\endcsname\@thefnmark}%
8797 \color@begingroup
8798 \@twocolLTRfootfmt{#1}%
8799 \color@endgroup}%
8800 \m@mmf@prepare}
8801 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8802 \def\baselinestretch{\m@m@footnote@spacing}%
8803 \reset@font\RTLfoottextfont
8804 \@preamfntext
8805 \protected@edef\@currentlabel{%
8806 \csname p@footnote\endcsname\@thefnmark}%
8807 \color@begingroup
8808 \@twocolRTLfootfmt{#1}%
8809 \color@endgroup}%
8810 \m@mmf@prepare}
8811 \bidi@ensure@newcommand{\@preamtwofmt}{%
8812 \hspace{.45\hsize}
8813 \parindent=\z@
8814 \tolerance=5000\relax
8815 \leavevmode}
8816 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8817 \@preamtwofmt
8818 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8819 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8820 \@preamtwofmt
8821 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8822 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8823 \@preamtwofmt
8824 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8825 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8826 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8827 \unvbox\@mpfootinsv@r
8828 \def\baselinestretch{\m@m@footnote@spacing}%
8829 \reset@font\foottextfont
8830 \hspace\columnwidth \@parboxrestore
8831 \protected@edef\@currentlabel{%
8832 \csname p@mpfootnote\endcsname\@thefnmark}%
8833 \color@begingroup
8834 \@twocolfootfmt{#1}%
8835 \color@endgroup}%
8836 \m@mmf@prepare}
8837 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8838 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8839 \unvbox\@mpfootinsv@r
8840 \def\baselinestretch{\m@m@footnote@spacing}%

```




```

8841 \reset@font\LTRfoottextfont
8842 \hsize\columnwidth \@parboxrestore
8843 \if@RTLcolumnfootnotes\beginL\fi
8844 \protected@edef\@currentlabel{%
8845   \csname p@mpfootnote\endcsname\@thefnmark}%
8846 \color@begingroup
8847 \@twocolLTRfootfmt{#1}%
8848 \color@endgroup}%
8849 \m@mmf@prepare}
8850 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8851 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8852   \unvbox\@mpfootinsv@r
8853   \def\baselinestretch{\m@m@footnote@spacing}%
8854   \reset@font\RTLfoottextfont
8855   \hsize\columnwidth \@parboxrestore
8856   \protected@edef\@currentlabel{%
8857     \csname p@mpfootnote\endcsname\@thefnmark}%
8858   \color@begingroup
8859   \@twocolRTLfootfmt{#1}%
8860   \color@endgroup}%
8861   \m@mmf@prepare}
8862 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8863   \m@make@twocolfootnotetext{#1}%
8864   \m@make@mptwocolfootnotetext{#1}%
8865   \m@make@twocolfootfmt{#1}%
8866   \m@make@twocol@footgroup{#1}%
8867   \m@make@mptwocol@footgroup{#1}%
8868   \m@make@footstart{#1}%
8869   \bidi@namelongdef{\@footnotetext#1}##1{%
8870     \@nameuse{\twocolfootnotetext#1}{##1}}%
8871   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8872     \@nameuse{\@mptwocolfootnotetext#1}{##1}}%
8873   \@namedef{\@footgroup#1}{\@nameuse{\twocol@footgroup#1}}%
8874   \@namedef{\@mp@footgroup#1}{\@nameuse{\@mptwocol@footgroup#1}}%
8875   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8876   \expandafter\count\csname footins#1\endcsname=500\relax}
8877 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8878   \bidi@namelongdef{\twocolfootnotetext#1}##1{%
8879     \insert\@nameuse{\footins#1}{%
8880       \def\baselinestretch{\m@m@footnote@spacing}%
8881       \reset@font\@nameuse{\foottextfont#1}%
8882       \@preamfntext
8883       \protected@edef\@currentlabel{%
8884         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8885       \color@begingroup
8886       \@nameuse{\twocolfootfmt#1}{##1}%
8887       \color@endgroup}%
8888       \m@mmf@prepare}}
8889 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8890 \bidi@namelongdef{\@mptwocolfootnotetext#1}##1{%

```



```

8891 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8892   \unvbox\@nameuse{\@mpfootins#1}
8893   \def\baselinestretch{\m@m@footnote@spacing}%
8894   \reset@font\@nameuse{\foottextfont#1}%
8895   \hsize\columnwidth \@parboxrestore
8896   \protected@edef\@currentlabel{%
8897     \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
8898   \color@begingroup
8899     \@nameuse{\@twocolfootfmt#1}{##1}%
8900   \color@endgroup}\m@mmf@prepare}}
8901 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8902   \@namedef{\@twocolfootfmt#1}{##1}%
8903     \preamtwofmt
8904     {\@nameuse{\footfootmark#1}\strut
8905       {\@nameuse{\foottextfont#1}{##1}\strut\par}\allowbreak}}
8906 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8907   \@namedef{\@twocol@footgroup#1}{%
8908     \def\baselinestretch{\m@m@footnote@spacing}%
8909     \@nameuse{\foottextfont#1} \splittopskip=\ht\strutbox
8910     \m@r@rigidbalance{\@nameuse{\footins#1}}{\tw@}{\splittopskip}}}}
8911 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8912   \@namedef{\@mptwocol@footgroup#1}{%
8913     \def\baselinestretch{\m@m@footnote@spacing}%
8914     \@nameuse{\foottextfont#1} \splittopskip=\ht\strutbox
8915     \m@r@rigidbalance{\@nameuse{\@mpfootins#1}}{\tw@}{\splittopskip}}}}
8916 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8917   \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
8918   \@bidi@before@Hy@hyperfootnotes
8919   \let\@footnotetext\@threecolfootnotetext
8920   \let\@LTRfootnotetext\@threecolLTRfootnotetext
8921   \let\@RTLfootnotetext\@threecolRTLfootnotetext
8922   \dimen\footinsv@r=3\footinsdim
8923   \count\footinsv@r=333\relax
8924   \m@make@threecol@footgroup{v@r}%
8925   \let\@footgroupv@r\@threecol@footgroupv@r
8926   \let\@mpfootnotetext\@mpthreecolfootnotetext
8927   \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8928   \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8929   \@bidi@after@Hy@hyperfootnotes
8930   \m@make@mpthreecol@footgroup{v@r}%
8931   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8932 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8933   \def\baselinestretch{\m@m@footnote@spacing}%
8934   \reset@font\foottextfont
8935   \preamfntext
8936   \protected@edef\@currentlabel{%
8937     \csname p@footnote\endcsname\@thefnmark}%
8938   \color@begingroup
8939     \@threecolfootfmt{#1}%
8940   \color@endgroup}\m@mmf@prepare}

```



```

8941 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8942 \def\baselinestretch{\m@m@footnote@spacing}%
8943 \reset@font\LTRfoottextfont
8944 \@preamfntext
8945 \protected@edef\@currentlabel{%
8946 \csname p@footnote\endcsname\@thefnmark}%
8947 \color@begingroup
8948 \@threecolLTRfootfmt{#1}%
8949 \color@endgroup}\m@mmf@prepare}
8950 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8951 \def\baselinestretch{\m@m@footnote@spacing}%
8952 \reset@font\RTLfoottextfont
8953 \@preamfntext
8954 \protected@edef\@currentlabel{%
8955 \csname p@footnote\endcsname\@thefnmark}%
8956 \color@begingroup
8957 \@threecolRTLfootfmt{#1}%
8958 \color@endgroup}\m@mmf@prepare}
8959 \bidi@ensure@newcommand{\@preamthreefmt}{%
8960 \hsize .3\hsize
8961 \parindent=\z@
8962 \tolerance=5000\relax
8963 \leavevmode}
8964 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8965 \@preamthreefmt
8966 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8967 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8968 \@preamthreefmt
8969 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8970 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8971 \@preamthreefmt
8972 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8973 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8974 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8975 \unvbox\@mpfootinsv@r
8976 \def\baselinestretch{\m@m@footnote@spacing}%
8977 \reset@font\foottextfont
8978 \hsize\columnwidth \@parboxrestore
8979 \protected@edef\@currentlabel{%
8980 \csname p@mpfootnote\endcsname\@thefnmark}%
8981 \color@begingroup
8982 \@threecolfootfmt{#1}%
8983 \color@endgroup}\m@mmf@prepare}
8984 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8985 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8986 \unvbox\@mpfootinsv@r
8987 \def\baselinestretch{\m@m@footnote@spacing}%
8988 \reset@font\LTRfoottextfont
8989 \hsize\columnwidth \@parboxrestore
8990 \if@RTLcolumnfootnotes\beginL\fi

```



```

8991 \protected@edef\@currentlabel{%
8992 \csname p@mpfootnote\endcsname\@thefnmark}%
8993 \color@begingroup
8994 \@threecolLTRfootfmt{#1}%
8995 \color@endgroup}\m@mmf@prepare}
8996 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8997 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8998 \unvbox\@mpfootinsv@r
8999 \def\baselinestretch{\m@m@footnote@spacing}%
9000 \reset@font\RTLfoottextfont
9001 \hsize\columnwidth \@parboxrestore
9002 \protected@edef\@currentlabel{%
9003 \csname p@mpfootnote\endcsname\@thefnmark}%
9004 \color@begingroup
9005 \@threecolRTLfootfmt{#1}%
9006 \color@endgroup}\m@mmf@prepare}
9007 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
9008 \m@make@threecolfootnotetext{#1}%
9009 \m@make@mpthreecolfootnotetext{#1}%
9010 \m@make@threecolfootfmt{#1}%
9011 \m@make@threecol@footgroup{#1}%
9012 \m@make@mpthreecol@footgroup{#1}%
9013 \m@make@footstart{#1}%
9014 \bidi@namelongdef{\@footnotetext#1}##1{%
9015 \@nameuse{@threecolfootnotetext#1}{##1}}%
9016 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9017 \@nameuse{@mpthreecolfootnotetext#1}{##1}}%
9018 \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
9019 \@namedef{mp@footgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
9020 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
9021 \expandafter\count\csname footins#1\endcsname=333\relax}
9022 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
9023 \bidi@namelongdef{\@threecolfootnotetext#1}##1{%
9024 \insert\@nameuse{footins#1}{%
9025 \def\baselinestretch{\m@m@footnote@spacing}%
9026 \reset@font\@nameuse{foottextfont#1}%
9027 \@preamfntext
9028 \protected@edef\@currentlabel{%
9029 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9030 \color@begingroup
9031 \@nameuse{@threecolfootfmt#1}{##1}%
9032 \color@endgroup}\m@mmf@prepare}}
9033 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
9034 \bidi@namelongdef{\@mpthreecolfootnotetext#1}##1{%
9035 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9036 \unvbox\@nameuse{@mpfootins#1}
9037 \def\baselinestretch{\m@m@footnote@spacing}%
9038 \reset@font\@nameuse{foottextfont#1}%
9039 \hsize\columnwidth \@parboxrestore
9040 \protected@edef\@currentlabel{%

```



```

9041 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9042 \color@begingroup
9043 \@nameuse{@threecolfootfmt#1}{##1}%
9044 \color@endgroup}\m@mmf@prepare}
9045 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
9046 \bidi@namelongdef{@threecolfootfmt#1}##1{%
9047 \@preamthreefmt
9048 {\@nameuse{footfootmark#1}\strut
9049 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9050 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9051 \@namedef{@threecol@footgroup#1}{%
9052 \def\baselinestretch{\m@mm@footnote@spacing}%
9053 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9054 \m@mmrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
9055 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9056 \@namedef{@mpthreecol@footgroup#1}{%
9057 \def\baselinestretch{\m@mm@footnote@spacing}%
9058 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9059 \m@mmrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
9060 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9061 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9062 \@bidi@before@Hy@hyperfootnotes
9063 \let\@footnotetext\@fourcolfootnotetext
9064 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9065 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9066 \dimen\footinsv@r=4\footinsdim
9067 \count\footinsv@r=250\relax
9068 \m@make@fourcol@footgroup{v@r}%
9069 \let\@footgroupv@r\@fourcol@footgroupv@r
9070 \let\@mpfootnotetext\@mpfourcolfootnotetext
9071 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9072 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9073 \@bidi@after@Hy@hyperfootnotes
9074 \m@make@mpfourcol@footgroup{v@r}%
9075 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
9076 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9077 \def\baselinestretch{\m@mm@footnote@spacing}%
9078 \reset@font\foottextfont
9079 \@preamfntext
9080 \protected@edef\@currentlabel{%
9081 \csname p@footnote\endcsname\@thefnmark}%
9082 \color@begingroup
9083 \@fourcolfootfmt{#1}%
9084 \color@endgroup}%
9085 \m@mmf@prepare}
9086 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLColumfootnotes
9087 \def\baselinestretch{\m@mm@footnote@spacing}%
9088 \reset@font\LTRfoottextfont
9089 \@preamfntext
9090 \protected@edef\@currentlabel{%

```



```

9091 \csname p@footnote\endcsname\@thefnmark}%
9092 \color@begingroup
9093 \@fourcolLTRfootfmt{#1}%
9094 \color@endgroup}%
9095 \m@mmf@prepare}
9096 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9097 \def\baselinestretch{\m@m@footnote@spacing}%
9098 \reset@font\RTLfoottextfont
9099 \@preamfntext
9100 \protected@edef\@currentlabel{%
9101 \csname p@footnote\endcsname\@thefnmark}%
9102 \color@begingroup
9103 \@fourcolRTLfootfmt{#1}%
9104 \color@endgroup}%
9105 \m@mmf@prepare}
9106 \bidi@ensure@newcommand{\@preamfourfmt}{%
9107 \hsize .25\hsize
9108 \parindent=\z@
9109 \tolerance=5000\relax
9110 \leavevmode}
9111 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9112 \@preamfourfmt
9113 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9114 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9115 \@preamfourfmt
9116 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9117 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9118 \@preamfourfmt
9119 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9120 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9121 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9122 \unvbox\@mpfootinsv@r
9123 \def\baselinestretch{\m@m@footnote@spacing}%
9124 \reset@font\foottextfont
9125 \hsize\columnwidth \@parboxrestore
9126 \protected@edef\@currentlabel{%
9127 \csname p@mpfootnote\endcsname\@thefnmark}%
9128 \color@begingroup
9129 \@fourcolfootfmt{#1}%
9130 \color@endgroup}%
9131 \m@mmf@prepare}
9132 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9133 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9134 \unvbox\@mpfootinsv@r
9135 \def\baselinestretch{\m@m@footnote@spacing}%
9136 \reset@font\LTRfoottextfont
9137 \hsize\columnwidth \@parboxrestore
9138 \if@RTLcolumnfootnotes\beginL\fi
9139 \protected@edef\@currentlabel{%
9140 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9141 \color@begingroup
9142   \@fourcolLTRfootfmt{#1}%
9143 \color@endgroup}%
9144 \m@mmf@prepare}
9145 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9146 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9147   \unvbox\@mpfootinsv@r
9148   \def\baselinestretch{\m@m@footnote@spacing}%
9149   \reset@font\RTLfoottextfont
9150   \hsize\columnwidth \@parboxrestore
9151   \protected@edef\@currentlabel{%
9152     \csname p@mpfootnote\endcsname\@thefnmark}%
9153 \color@begingroup
9154   \@fourcolRTLfootfmt{#1}%
9155 \color@endgroup}%
9156 \m@mmf@prepare}
9157 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
9158 \m@make@fourcolfootnotetext{#1}%
9159 \m@make@mpfourcolfootnotetext{#1}%
9160 \m@make@fourcolfootfmt{#1}%
9161 \m@make@fourcol@footgroup{#1}%
9162 \m@make@mpfourcol@footgroup{#1}%
9163 \m@make@footstart{#1}%
9164 \bidi@namelongdef{\@footnotetext#1}##1{%
9165   \@nameuse{\@fourcolfootnotetext#1}{##1}}%
9166 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9167   \@nameuse{\@mpfourcolfootnotetext#1}{##1}}%
9168 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
9169 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%
9170 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9171 \expandafter\count\csname footins#1\endcsname=500\relax}
9172 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
9173 \bidi@namelongdef{\@fourcolfootnotetext#1}##1{%
9174   \insert\@nameuse{\footins#1}{%
9175     \def\baselinestretch{\m@m@footnote@spacing}%
9176     \reset@font\@nameuse{\foottextfont#1}%
9177     \@preamfntext
9178     \protected@edef\@currentlabel{%
9179       \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9180 \color@begingroup
9181   \@nameuse{\@fourcolfootfmt#1}{##1}%
9182 \color@endgroup}%
9183 \m@mmf@prepare}}
9184 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
9185 \bidi@namelongdef{\@mpfourcolfootnotetext#1}##1{%
9186 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9187   \unvbox\@nameuse{\@mpfootins#1}
9188   \def\baselinestretch{\m@m@footnote@spacing}%
9189   \reset@font\@nameuse{\foottextfont#1}%
9190   \hsize\columnwidth \@parboxrestore

```



```

9191 \protected@edef\@currentlabel{%
9192 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9193 \color@begingroup
9194 \@nameuse{@fourcolfootfmt#1}{##1}%
9195 \color@endgroup}\m@mmf@prepare}}
9196 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
9197 \@namedef{@fourcolfootfmt#1}##1{%
9198 \@preamfourfmt
9199 {\@nameuse{footfootmark#1}\strut
9200 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9201 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9202 \@namedef{@fourcol@footgroup#1}{%
9203 \def\baselinestretch{\m@m@footnote@spacing}%
9204 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9205 \m@r@rigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
9206 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9207 \@namedef{@mpfourcol@footgroup#1}{%
9208 \def\baselinestretch{\m@m@footnote@spacing}%
9209 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9210 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
9211 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9212 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9213 \@bidi@before@Hy@hyperfootnotes
9214 \let\@footnotetext\@fivecolfootnotetext
9215 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9216 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9217 \dimen\footinsv@r=5\footinsdim
9218 \count\footinsv@r=200\relax
9219 \m@make@fivecol@footgroup{v@r}%
9220 \let\@footgroupv@r\@fivecol@footgroupv@r
9221 \let\@mpfootnotetext\@mpfivecolfootnotetext
9222 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9223 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9224 \@bidi@after@Hy@hyperfootnotes
9225 \m@make@mpfivecol@footgroup{v@r}%
9226 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
9227 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9228 \def\baselinestretch{\m@m@footnote@spacing}%
9229 \reset@font\foottextfont
9230 \@preamfntext
9231 \protected@edef\@currentlabel{%
9232 \csname p@footnote\endcsname\@thefnmark}%
9233 \color@begingroup
9234 \@fivecolfootfmt{#1}%
9235 \color@endgroup}%
9236 \m@mmf@prepare}
9237 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9238 \def\baselinestretch{\m@m@footnote@spacing}%
9239 \reset@font\LTRfoottextfont
9240 \@preamfntext

```




```

9241 \protected@edef\@currentlabel{%
9242   \csname p@footnote\endcsname\@thefnmark}%
9243 \color@begingroup
9244   \@fivecolLTRfootfmt{#1}%
9245 \color@endgroup}%
9246 \m@mmf@prepare}
9247 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9248   \def\baselinestretch{\m@m@footnote@spacing}%
9249   \reset@font\RTLfoottextfont
9250   \@preamfntext
9251   \protected@edef\@currentlabel{%
9252     \csname p@footnote\endcsname\@thefnmark}%
9253   \color@begingroup
9254     \@fivecolRTLfootfmt{#1}%
9255   \color@endgroup}%
9256   \m@mmf@prepare}
9257 \bidi@ensure@newcommand{\@preamfivefmt}{%
9258   \hsize .2\hsize
9259   \parindent=\z@
9260   \tolerance=5000\relax
9261   \leavevmode}
9262 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9263   \@preamfivefmt
9264   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9265 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9266   \@preamfivefmt
9267   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9268 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9269   \@preamfivefmt
9270   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9271 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9272   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9273     \unvbox\@mpfootinsv@r
9274     \def\baselinestretch{\m@m@footnote@spacing}%
9275     \reset@font\foottextfont
9276     \hsize\columnwidth \@parboxrestore
9277     \protected@edef\@currentlabel{%
9278       \csname p@mpfootnote\endcsname\@thefnmark}%
9279   \color@begingroup
9280     \@fivecolfootfmt{#1}%
9281   \color@endgroup}%
9282   \m@mmf@prepare}
9283 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9284   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9285     \unvbox\@mpfootinsv@r
9286     \def\baselinestretch{\m@m@footnote@spacing}%
9287     \reset@font\LTRfoottextfont
9288     \hsize\columnwidth \@parboxrestore
9289     \if@RTLcolumnfootnotes\beginL\fi
9290     \protected@edef\@currentlabel{%

```



```

9291 \csname p@mpfootnote\endcsname\@thefnmark}%
9292 \color@begingroup
9293 \@fivecolLTRfootfmt{#1}%
9294 \color@endgroup}%
9295 \m@mmf@prepare}
9296 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9297 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9298 \unvbox\@mpfootinsv@r
9299 \def\baselinestretch{\m@m@footnote@spacing}%
9300 \reset@font\RTLfoottextfont
9301 \hsize\columnwidth \parboxrestore
9302 \protected@edef\@currentlabel{%
9303 \csname p@mpfootnote\endcsname\@thefnmark}%
9304 \color@begingroup
9305 \@fivecolRTLfootfmt{#1}%
9306 \color@endgroup}%
9307 \m@mmf@prepare}
9308 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
9309 \m@make@fivecolfootnotetext{#1}%
9310 \m@make@mpfivecolfootnotetext{#1}%
9311 \m@make@fivecolfootfmt{#1}%
9312 \m@make@fivecol@footgroup{#1}%
9313 \m@make@mpfivecol@footgroup{#1}%
9314 \m@make@footstart{#1}%
9315 \bidi@namelongdef{\@footnotetext#1}##1{%
9316 \@nameuse{\@fivecolfootnotetext#1}{##1}}%
9317 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9318 \@nameuse{\@mpfivecolfootnotetext#1}{##1}}%
9319 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
9320 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
9321 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9322 \expandafter\count\csname footins#1\endcsname=500\relax}
9323 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
9324 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
9325 \insert\@nameuse{\footins#1}{%
9326 \def\baselinestretch{\m@m@footnote@spacing}%
9327 \reset@font\@nameuse{\foottextfont#1}%
9328 \preamfntext
9329 \protected@edef\@currentlabel{%
9330 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9331 \color@begingroup
9332 \@nameuse{\@fivecolfootfmt#1}{##1}%
9333 \color@endgroup}%
9334 \m@mmf@prepare}}
9335 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
9336 \bidi@namelongdef{\@mpfivecolfootnotetext#1}##1{%
9337 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9338 \unvbox\@nameuse{\@mpfootins#1}
9339 \def\baselinestretch{\m@m@footnote@spacing}%
9340 \reset@font\@nameuse{\foottextfont#1}%

```



```

9341 \hsize\columnwidth \@parboxrestore
9342 \protected@edef\@currentlabel{%
9343 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9344 \color@begingroup
9345 \@nameuse{@fivecolfootfmt#1}{##1}%
9346 \color@endgroup}\m@mmf@prepare}
9347 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
9348 \@namedef{@fivecolfootfmt#1}##1{%
9349 \@preamfivefmt
9350 {\@nameuse{footfootmark#1}\strut
9351 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9352 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9353 \@namedef{@fivecol@footgroup#1}{%
9354 \def\baselinestretch{\m@m@footnote@spacing}%
9355 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9356 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
9357 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9358 \@namedef{@mpfivecol@footgroup#1}{%
9359 \def\baselinestretch{\m@m@footnote@spacing}%
9360 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9361 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
9362 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9363 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9364 \@bidi@before@Hy@hyperfootnotes
9365 \let\@footnotetext\@sixcolfootnotetext
9366 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9367 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9368 \dimen\footinsv@r=6\footinsdim
9369 \count\footinsv@r=166\relax
9370 \m@make@sixcol@footgroup{v@r}%
9371 \let\@footgroupv@r\@sixcol@footgroupv@r
9372 \let\@mpfootnotetext\@mpsixcolfootnotetext
9373 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9374 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9375 \@bidi@after@Hy@hyperfootnotes
9376 \m@make@mpsixcol@footgroup{v@r}%
9377 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
9378 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9379 \def\baselinestretch{\m@m@footnote@spacing}%
9380 \reset@font\foottextfont
9381 \@preamfntext
9382 \protected@edef\@currentlabel{%
9383 \csname p@footnote\endcsname\@thefnmark}%
9384 \color@begingroup
9385 \@sixcolfootfmt{#1}%
9386 \color@endgroup}%
9387 \m@mmf@prepare}
9388 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9389 \def\baselinestretch{\m@m@footnote@spacing}%
9390 \reset@font\LTRfoottextfont

```



```

9391 \@preamfntext
9392 \protected@edef\@currentlabel{%
9393   \csname p@footnote\endcsname\@thefnmark}%
9394 \color@begingroup
9395   \@sixcolLTRfootfmt{#1}%
9396 \color@endgroup}%
9397 \m@mmf@prepare}
9398 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9399 \def\baselinestretch{\m@m@footnote@spacing}%
9400 \reset@font\RTLfoottextfont
9401 \@preamfntext
9402 \protected@edef\@currentlabel{%
9403   \csname p@footnote\endcsname\@thefnmark}%
9404 \color@begingroup
9405   \@sixcolRTLfootfmt{#1}%
9406 \color@endgroup}%
9407 \m@mmf@prepare}
9408 \bidi@ensure@newcommand{\@preamsixfmt}{%
9409 \hsize .16\hsize
9410 \parindent=\z@
9411 \tolerance=5000\relax
9412 \leavevmode}
9413 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9414 \@preamsixfmt
9415 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9416 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9417 \@preamsixfmt
9418 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9419 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9420 \@preamsixfmt
9421 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9422 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
9423 \global\setbox\@mpfootinsv@r\vbox{%
9424   \unvbox\@mpfootinsv@r
9425   \def\baselinestretch{\m@m@footnote@spacing}%
9426   \reset@font\foottextfont
9427   \hsize\columnwidth \@parboxrestore
9428   \protected@edef\@currentlabel{%
9429     \csname p@mpfootnote\endcsname\@thefnmark}%
9430   \color@begingroup
9431     \@sixcolfootfmt{#1}%
9432   \color@endgroup}%
9433   \m@mmf@prepare}
9434 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9435 \global\setbox\@mpfootinsv@r\vbox{%
9436   \unvbox\@mpfootinsv@r
9437   \def\baselinestretch{\m@m@footnote@spacing}%
9438   \reset@font\LTRfoottextfont
9439   \hsize\columnwidth \@parboxrestore
9440   \if@RTLcolumnfootnotes\beginL\fi

```



```

9441 \protected@edef\@currentlabel{%
9442 \csname p@mpfootnote\endcsname\@thefnmark}%
9443 \color@begingroup
9444 \@sixcolLTRfootfmt{#1}%
9445 \color@endgroup}%
9446 \m@mmf@prepare}
9447 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9448 \global\setbox\@mpfootinsv@r\vbox{%
9449 \unvbox\@mpfootinsv@r
9450 \def\baselinestretch{\m@m@footnote@spacing}%
9451 \reset@font\RTLfoottextfont
9452 \hsize\columnwidth \@parboxrestore
9453 \protected@edef\@currentlabel{%
9454 \csname p@mpfootnote\endcsname\@thefnmark}%
9455 \color@begingroup
9456 \@sixcolRTLfootfmt{#1}%
9457 \color@endgroup}%
9458 \m@mmf@prepare}
9459 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
9460 \m@make@sixcolfootnotetext{#1}%
9461 \m@make@mpsixcolfootnotetext{#1}%
9462 \m@make@sixcolfootfmt{#1}%
9463 \m@make@sixcol@footgroup{#1}%
9464 \m@make@mpsixcol@footgroup{#1}%
9465 \m@make@footstart{#1}%
9466 \bidi@namelongdef\@footnotetext#1##1{%
9467 \@nameuse{\@sixcolfootnotetext#1}{##1}}%
9468 \bidi@namelongdef\@mpfootnotetext#1##1{%
9469 \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%
9470 \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
9471 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsixcol@footgroup#1}}%
9472 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9473 \expandafter\count\csname footins#1\endcsname=500\relax}
9474 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9475 \bidi@namelongdef\@sixcolfootnotetext#1##1{%
9476 \insert\@nameuse{footins#1}{%
9477 \def\baselinestretch{\m@m@footnote@spacing}%
9478 \reset@font\@nameuse{foottextfont#1}%
9479 \@preamfntext
9480 \protected@edef\@currentlabel{%
9481 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9482 \color@begingroup
9483 \@nameuse{\@sixcolfootfmt#1}{##1}%
9484 \color@endgroup}%
9485 \m@mmf@prepare}}
9486 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9487 \bidi@namelongdef\@mpsixcolfootnotetext#1##1{%
9488 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9489 \unvbox\@nameuse{\@mpfootins#1}
9490 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9491 \reset@font\@nameuse{foottextfont#1}%
9492 \hsize\columnwidth \@parboxrestore
9493 \protected@edef\@currentlabel{%
9494 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9495 \color@begingroup
9496 \@nameuse{@sixcolfootfmt#1}{##1}%
9497 \color@endgroup}\m@mmf@prepare}}
9498 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9499 \@namedef{@sixcolfootfmt#1}##1{%
9500 \@preamsixfmt
9501 {\@nameuse{footfootmark#1}\strut
9502 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9503 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9504 \@namedef{@sixcol@footgroup#1}{%
9505 \def\baselinestretch{\m@m@footnote@spacing}%
9506 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9507 \m@rmrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9508 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9509 \@namedef{@mpsixcol@footgroup#1}{%
9510 \def\baselinestretch{\m@m@footnote@spacing}%
9511 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9512 \m@rmrigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}%
9513 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9514 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9515 \@bidi@before@Hy@hyperfootnotes
9516 \let\@footnotetext\@sevendcolfootnotetext
9517 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9518 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9519 \dimen\footinsv@r=7\footinsdim
9520 \count\footinsv@r=142\relax
9521 \m@make@sevendcol@footgroup{v@r}%
9522 \let\@footgroupv@r\@sevendcol@footgroupv@r
9523 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9524 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9525 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9526 \@bidi@after@Hy@hyperfootnotes
9527 \m@make@mpsevendcol@footgroup{v@r}%
9528 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
9529 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9530 \def\baselinestretch{\m@m@footnote@spacing}%
9531 \reset@font\foottextfont
9532 \@preamfntext
9533 \protected@edef\@currentlabel{%
9534 \csname p@footnote\endcsname\@thefnmark}%
9535 \color@begingroup
9536 \@sevendcolfootfmt{#1}%
9537 \color@endgroup}%
9538 \m@mmf@prepare}
9539 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9540 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9541 \reset@font\LTRfoottextfont
9542 \@preamfntext
9543 \protected@edef\@currentlabel{%
9544   \csname p@footnote\endcsname\@thefnmark}%
9545 \color@begingroup
9546   \@sevenscolLTRfootfmt{#1}%
9547 \color@endgroup}%
9548 \m@mmf@prepare}
9549 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9550 \def\baselinestretch{\m@m@footnote@spacing}%
9551 \reset@font\RTLfoottextfont
9552 \@preamfntext
9553 \protected@edef\@currentlabel{%
9554   \csname p@footnote\endcsname\@thefnmark}%
9555 \color@begingroup
9556   \@sevenscolRTLfootfmt{#1}%
9557 \color@endgroup}%
9558 \m@mmf@prepare}
9559 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9560 \hsize .142\hsize
9561 \parindent=\z@
9562 \tolerance=5000\relax
9563 \leavevmode}
9564 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
9565 \@preamsevenfmt
9566 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9567 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
9568 \@preamsevenfmt
9569 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9570 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
9571 \@preamsevenfmt
9572 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9573 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9574 \global\setbox\@mpfootinsv@r\vbox{%
9575   \unvbox\@mpfootinsv@r
9576   \def\baselinestretch{\m@m@footnote@spacing}%
9577   \reset@font\foottextfont
9578   \hsize\columnwidth \@parboxrestore
9579   \protected@edef\@currentlabel{%
9580     \csname p@mpfootnote\endcsname\@thefnmark}%
9581   \color@begingroup
9582     \@sevenscolfootfmt{#1}%
9583   \color@endgroup}%
9584   \m@mmf@prepare}
9585 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
9586 \global\setbox\@mpfootinsv@r\vbox{%
9587   \unvbox\@mpfootinsv@r
9588   \def\baselinestretch{\m@m@footnote@spacing}%
9589   \reset@font\LTRfoottextfont
9590   \hsize\columnwidth \@parboxrestore

```



```

9591 \ifRTLcolumnfootnotes\beginL\fi
9592 \protected@edef\@currentlabel{%
9593 \csname p@mpfootnote\endcsname\@thefnmark}%
9594 \color@begingroup
9595 \sevenscolLTRfootfmt{#1}%
9596 \color@endgroup}%
9597 \m@mmlf@prepare}
9598 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
9599 \global\setbox\@mpfootinsv@r\vbox{%
9600 \unvbox\@mpfootinsv@r
9601 \def\baselinestretch{\m@m@footnote@spacing}%
9602 \reset@font\RTLfoottextfont
9603 \hsize\columnwidth \parboxrestore
9604 \protected@edef\@currentlabel{%
9605 \csname p@mpfootnote\endcsname\@thefnmark}%
9606 \color@begingroup
9607 \sevenscolRTLfootfmt{#1}%
9608 \color@endgroup}%
9609 \m@mmlf@prepare}
9610 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
9611 \m@make@sevenscolfootnotetext{#1}%
9612 \m@make@mpsevenscolfootnotetext{#1}%
9613 \m@make@sevenscolfootfmt{#1}%
9614 \m@make@sevenscol@footgroup{#1}%
9615 \m@make@mpsevenscol@footgroup{#1}%
9616 \m@make@footstart{#1}%
9617 \bidi@namelongdef{\footnotetext#1}##1{%
9618 \nameuse{\sevenscolfootnotetext#1}##1}%
9619 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9620 \nameuse{\mpsevenscolfootnotetext#1}##1}%
9621 \@namedef{\footgroup#1}{\nameuse{\sevenscol@footgroup#1}}%
9622 \@namedef{\mp@footgroup#1}{\nameuse{\mpsevenscol@footgroup#1}}%
9623 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9624 \expandafter\count\csname footins#1\endcsname=500\relax}
9625 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9626 \bidi@namelongdef{\sevenscolfootnotetext#1}##1{%
9627 \insert\@nameuse{\footins#1}{%
9628 \def\baselinestretch{\m@m@footnote@spacing}%
9629 \reset@font\@nameuse{\foottextfont#1}%
9630 \@preamfntext
9631 \protected@edef\@currentlabel{%
9632 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
9633 \color@begingroup
9634 \@nameuse{\sevenscolfootfmt#1}##1}%
9635 \color@endgroup}%
9636 \m@mmlf@prepare}}
9637 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
9638 \bidi@namelongdef{\mpsevenscolfootnotetext#1}##1{%
9639 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9640 \unvbox\@nameuse{\mpfootins#1}

```




```

9641 \def\baselinestretch{\m@m@footnote@spacing}%
9642 \reset@font\@nameuse{foottextfont#1}%
9643 \hsize\columnwidth \@parboxrestore
9644 \protected@edef\@currentlabel{%
9645 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9646 \color@begingroup
9647 \@nameuse{@sevendcolfootfmt#1}{##1}%
9648 \color@endgroup}\m@mmf@prepare}}
9649 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
9650 \@namedef{@sevendcolfootfmt#1}{##1}%
9651 \@preamsevenfmt
9652 {\@nameuse{footfootmark#1}\strut
9653 {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9654 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
9655 \@namedef{@sevendcol@footgroup#1}{%
9656 \def\baselinestretch{\m@m@footnote@spacing}%
9657 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9658 \m@r@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
9659 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
9660 \@namedef{@mpsevendcol@footgroup#1}{%
9661 \def\baselinestretch{\m@m@footnote@spacing}%
9662 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9663 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}}%
9664 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9665 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9666 \@bidi@before@Hy@hyperfootnotes
9667 \let\@footnotetext\@eightcolfootnotetext
9668 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9669 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9670 \dimen\footinsv@r=8\footinsdim
9671 \count\footinsv@r=125\relax
9672 \m@make@eightcol@footgroup{v@r}%
9673 \let\@footgroupv@r\@eightcol@footgroupv@r
9674 \let\@mpfootnotetext\@mpeightcolfootnotetext
9675 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9676 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9677 \@bidi@after@Hy@hyperfootnotes
9678 \m@make@mpeightcol@footgroup{v@r}%
9679 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9680 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9681 \def\baselinestretch{\m@m@footnote@spacing}%
9682 \reset@font\foottextfont
9683 \preamfntext
9684 \protected@edef\@currentlabel{%
9685 \csname p@footnote\endcsname\@thefnmark}%
9686 \color@begingroup
9687 \@eightcolfootfmt{#1}%
9688 \color@endgroup}%
9689 \m@mmf@prepare}
9690 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot

```



```

9691 \def\baselinestretch{\m@m@footnote@spacing}%
9692 \reset@font\LTRfoottextfont
9693 \@preamfntext
9694 \protected@edef\@currentlabel{%
9695   \csname p@footnote\endcsname\@thefnmark}%
9696 \color@begingroup
9697   \@eightcolLTRfootfmt{#1}%
9698 \color@endgroup}%
9699 \m@mmf@prepare}
9700 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9701   \def\baselinestretch{\m@m@footnote@spacing}%
9702   \reset@font\RTLfoottextfont
9703   \@preamfntext
9704   \protected@edef\@currentlabel{%
9705     \csname p@footnote\endcsname\@thefnmark}%
9706   \color@begingroup
9707     \@eightcolRTLfootfmt{#1}%
9708   \color@endgroup}%
9709   \m@mmf@prepare}
9710 \bidi@ensure@newcommand{\@preameightfmt}{%
9711   \hsize .125\hsize
9712   \parindent=\z@
9713   \tolerance=5000\relax
9714   \leavevmode}
9715 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9716   \@preameightfmt
9717   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9718 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9719   \@preameightfmt
9720   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9721 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9722   \@preameightfmt
9723   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9724 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9725   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9726     \unvbox\@mpfootinsv@r
9727     \def\baselinestretch{\m@m@footnote@spacing}%
9728     \reset@font\foottextfont
9729     \hsize\columnwidth \@parboxrestore
9730     \protected@edef\@currentlabel{%
9731       \csname p@mpfootnote\endcsname\@thefnmark}%
9732     \color@begingroup
9733       \@eightcolfootfmt{#1}%
9734     \color@endgroup}%
9735     \m@mmf@prepare}
9736 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9737   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9738     \unvbox\@mpfootinsv@r
9739     \def\baselinestretch{\m@m@footnote@spacing}%
9740     \reset@font\LTRfoottextfont

```



```

9741 \hsize\columnwidth \@parboxrestore
9742 \if@RTLcolumnfootnotes\beginL\fi
9743 \protected@edef\@currentlabel{%
9744   \csname p@mpfootnote\endcsname\@thefnmark}%
9745 \color@begingroup
9746   \@eightcolLTRfootfmt{#1}%
9747 \color@endgroup}%
9748 \m@mmf@prepare}
9749 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9750   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9751     \unvbox\@mpfootinsv@r
9752     \def\baselinestretch{\m@m@footnote@spacing}%
9753     \reset@font\RTLfoottextfont
9754     \hsize\columnwidth \@parboxrestore
9755     \protected@edef\@currentlabel{%
9756       \csname p@mpfootnote\endcsname\@thefnmark}%
9757     \color@begingroup
9758       \@eightcolRTLfootfmt{#1}%
9759     \color@endgroup}%
9760     \m@mmf@prepare}
9761 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9762   \m@make@eightcolfootnotetext{#1}%
9763   \m@make@mpeightcolfootnotetext{#1}%
9764   \m@make@eightcolfootfmt{#1}%
9765   \m@make@eightcol@footgroup{#1}%
9766   \m@make@mpeightcol@footgroup{#1}%
9767   \m@make@footstart{#1}%
9768   \bidi@namelongdef{\@footnotetext#1}##1{%
9769     \@nameuse{\@eightcolfootnotetext#1}{##1}}%
9770   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9771     \@nameuse{\@mpeightcolfootnotetext#1}{##1}}%
9772   \@namedef{\@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
9773   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpeightcol@footgroup#1}}%
9774   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9775   \expandafter\count\csname footins#1\endcsname=500\relax}
9776 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9777   \bidi@namelongdef{\@eightcolfootnotetext#1}##1{%
9778     \insert\@nameuse{\footins#1}{%
9779       \def\baselinestretch{\m@m@footnote@spacing}%
9780       \reset@font\@nameuse{\foottextfont#1}%
9781       \@preamfntext
9782       \protected@edef\@currentlabel{%
9783         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9784       \color@begingroup
9785         \@nameuse{\@eightcolfootfmt#1}{##1}%
9786       \color@endgroup}%
9787       \m@mmf@prepare}}
9788 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9789 \bidi@namelongdef{\@mpeightcolfootnotetext#1}##1{%
9790   \global\setbox\@nameuse{\@mpfootins#1}\vbox{%

```



```

9791 \unvbox\@nameuse{mpfootins#1}
9792 \def\baselinestretch{\m@m@footnote@spacing}%
9793 \reset@font\@nameuse{foottextfont#1}%
9794 \hsize\columnwidth \parboxrestore
9795 \protected@edef\@currentlabel{%
9796 \csname p@mpfootnote#1\endcsname\@nameuse{thefnmark#1}}%
9797 \color@begingroup
9798 \@nameuse{eightcolfootfmt#1}{##1}%
9799 \color@endgroup\m@mmf@prepare}
9800 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9801 \@namedef{eightcolfootfmt#1}{##1}%
9802 \@preambleeightfmt
9803 {\@nameuse{footfootmark#1}\strut
9804 {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9805 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9806 \@namedef{eightcol@footgroup#1}{%
9807 \def\baselinestretch{\m@m@footnote@spacing}%
9808 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9809 \m@r@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
9810 \bidi@ensure@newcommand{\m@make@mp@eightcol@footgroup}[1]{%
9811 \@namedef{mp@eightcol@footgroup#1}{%
9812 \def\baselinestretch{\m@m@footnote@spacing}%
9813 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9814 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
9815 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9816 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9817 \@bidi@before@Hy@hyperfootnotes
9818 \let\@footnotetext\@ninecolfootnotetext
9819 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9820 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9821 \dimen\footinsv@r=9\footinsdim
9822 \count\footinsv@r=111\relax
9823 \m@make@ninecol@footgroup{v@r}%
9824 \let\@footgroupv@r\@ninecol@footgroupv@r
9825 \let\@mpfootnotetext\@mpninecolfootnotetext
9826 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9827 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9828 \@bidi@after@Hy@hyperfootnotes
9829 \m@make@mpninecol@footgroup{v@r}%
9830 \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9831 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9832 \def\baselinestretch{\m@m@footnote@spacing}%
9833 \reset@font\foottextfont
9834 \preambleintext
9835 \protected@edef\@currentlabel{%
9836 \csname p@footnote\endcsname\@thefnmark}%
9837 \color@begingroup
9838 \@ninecolfootfmt{#1}%
9839 \color@endgroup}%
9840 \m@mmf@prepare}

```



```

9841 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9842 \def\baselinestretch{\m@m@footnote@spacing}%
9843 \reset@font\LTRfoottextfont
9844 \@preamfntext
9845 \protected@edef\@currentlabel{%
9846 \csname p@footnote\endcsname\@thefnmark}%
9847 \color@begingroup
9848 \@ninecolLTRfootfmt{#1}%
9849 \color@endgroup}%
9850 \m@mmf@prepare}
9851 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9852 \def\baselinestretch{\m@m@footnote@spacing}%
9853 \reset@font\RTLfoottextfont
9854 \@preamfntext
9855 \protected@edef\@currentlabel{%
9856 \csname p@footnote\endcsname\@thefnmark}%
9857 \color@begingroup
9858 \@ninecolRTLfootfmt{#1}%
9859 \color@endgroup}%
9860 \m@mmf@prepare}
9861 \bidi@ensure@newcommand{\@preamninefmt}{%
9862 \hsize .1\hsize
9863 \parindent=\z@
9864 \tolerance=5000\relax
9865 \leavevmode}
9866 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9867 \@preamninefmt
9868 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9869 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9870 \@preamninefmt
9871 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9872 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9873 \@preamninefmt
9874 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9875 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9876 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9877 \unvbox\@mpfootinsv@r
9878 \def\baselinestretch{\m@m@footnote@spacing}%
9879 \reset@font\foottextfont
9880 \hsize\columnwidth \@parboxrestore
9881 \protected@edef\@currentlabel{%
9882 \csname p@mpfootnote\endcsname\@thefnmark}%
9883 \color@begingroup
9884 \@ninecolfootfmt{#1}%
9885 \color@endgroup}%
9886 \m@mmf@prepare}
9887 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9888 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9889 \unvbox\@mpfootinsv@r
9890 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9891 \reset@font\LTRfoottextfont
9892 \hsize\columnwidth \@parboxrestore
9893 \if@RTLcolumnfootnotes\beginL\fi
9894 \protected@edef\@currentlabel{%
9895   \csname p@mpfootnote\endcsname\@thefnmark}%
9896 \color@begingroup
9897   \@ninecolLTRfootfmt{#1}%
9898 \color@endgroup}%
9899 \m@mmf@prepare}
9900 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9901   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9902     \unvbox\@mpfootinsv@r
9903     \def\baselinestretch{\m@m@footnote@spacing}%
9904     \reset@font\LTRfoottextfont
9905     \hsize\columnwidth \@parboxrestore
9906     \protected@edef\@currentlabel{%
9907       \csname p@mpfootnote\endcsname\@thefnmark}%
9908     \color@begingroup
9909       \@ninecolRTLfootfmt{#1}%
9910     \color@endgroup}%
9911     \m@mmf@prepare}
9912 \bidi@ensure@newcommand{\@ninecolumnfootstyle}[1]{%
9913   \m@make@ninecolfootnotetext{#1}%
9914   \m@make@mpninecolfootnotetext{#1}%
9915   \m@make@ninecolfootfmt{#1}%
9916   \m@make@ninecol@footgroup{#1}%
9917   \m@make@mpninecol@footgroup{#1}%
9918   \m@make@footstart{#1}%
9919   \bidi@namelongdef{\@footnotetext#1}##1{%
9920     \@nameuse{\@ninecolfootnotetext#1}{##1}}%
9921   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9922     \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
9923   \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
9924   \@namedef{\@mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
9925   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9926   \expandafter\count\csname footins#1\endcsname=500\relax}
9927 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9928   \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
9929     \insert\@nameuse{\footins#1}{%
9930       \def\baselinestretch{\m@m@footnote@spacing}%
9931       \reset@font\@nameuse{\foottextfont#1}%
9932       \@preamfntext
9933       \protected@edef\@currentlabel{%
9934         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9935       \color@begingroup
9936         \@nameuse{\@ninecolfootfmt#1}{##1}%
9937       \color@endgroup}%
9938       \m@mmf@prepare}}
9939 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9940 \bidi@namelongdef{\@mpninecolfootnotetext#1}##1{%

```



```

9941 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9942   \unvbox\@nameuse{\mpfootins#1}
9943   \def\baselinestretch{\m@{footnote@spacing}}%
9944   \reset@font\@nameuse{\foottextfont#1}%
9945   \hsize\columnwidth \parboxrestore
9946   \protected@edef\@currentlabel{%
9947     \csname p\mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
9948   \color@begingroup
9949     \@nameuse{\ninecolfootfmt#1}{##1}%
9950   \color@endgroup}\m@{mmf@prepare}}
9951 \bidi@ensure@newcommand{\m@{make@ninecolfootfmt}}[1]{%
9952   \@namedef{\ninecolfootfmt#1}{##1}%
9953   \@preamninefmt
9954   {\@nameuse{\footfootmark#1}\strut
9955     {\@nameuse{\foottextfont#1}{##1}\strut\par}\allowbreak}}
9956 \bidi@ensure@newcommand{\m@{make@ninecol@footgroup}}[1]{%
9957   \@namedef{\ninecol@footgroup#1}{%
9958     \def\baselinestretch{\m@{footnote@spacing}}%
9959     \@nameuse{\foottextfont#1} \splittopskip=\ht\strutbox
9960     \m@{rgridbalance}{\@nameuse{\footins#1}}{9}{\splittopskip}}}%
9961 \bidi@ensure@newcommand{\m@{make@mpninecol@footgroup}}[1]{%
9962   \@namedef{\mpninecol@footgroup#1}{%
9963     \def\baselinestretch{\m@{footnote@spacing}}%
9964     \@nameuse{\foottextfont#1} \splittopskip=\ht\strutbox
9965     \m@{rgridbalance}{\@nameuse{\mpfootins#1}}{9}{\splittopskip}}}%
9966 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9967   \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
9968   \@bidi@before@Hy@hyperfootnotes
9969   \let\@footnotetext\@tencolfootnotetext
9970   \let\@LTRfootnotetext\@tencolLTRfootnotetext
9971   \let\@RTLfootnotetext\@tencolRTLfootnotetext
9972   \dimen\footinsv@r=10\footinsdim
9973   \count\footinsv@r=100\relax
9974   \m@{make@tencol@footgroup}{v@r}%
9975   \let\@footgroupv@r\@tencol@footgroupv@r
9976   \let\@mpfootnotetext\@mptencolfootnotetext
9977   \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9978   \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9979   \@bidi@after@Hy@hyperfootnotes
9980   \m@{make@mptencol@footgroup}{v@r}%
9981   \let\@mp@footgroupv@r\@mptencol@footgroupv@r}
9982 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9983   \def\baselinestretch{\m@{footnote@spacing}}%
9984   \reset@font\foottextfont
9985   \@preamfntext
9986   \protected@edef\@currentlabel{%
9987     \csname p@footnote\endcsname\@thefnmark}%
9988   \color@begingroup
9989     \@tencolfootfmt{#1}%
9990   \color@endgroup}%

```



```

9991 \m@mmf@prepare}
9992 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9993 \def\baselinestretch{\m@m@footnote@spacing}%
9994 \reset@font\LTRfoottextfont
9995 \@preamfntext
9996 \protected@edef\@currentlabel{%
9997 \csname p@footnote\endcsname\@thefnmark}%
9998 \color@begingroup
9999 \@tencolLTRfootfmt{#1}%
10000 \color@endgroup}%
10001 \m@mmf@prepare}
10002 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10003 \def\baselinestretch{\m@m@footnote@spacing}%
10004 \reset@font\RTLfoottextfont
10005 \@preamfntext
10006 \protected@edef\@currentlabel{%
10007 \csname p@footnote\endcsname\@thefnmark}%
10008 \color@begingroup
10009 \@tencolRTLfootfmt{#1}%
10010 \color@endgroup}%
10011 \m@mmf@prepare}
10012 \bidi@ensure@newcommand{\@preamtenfmt}{%
10013 \hspace{.1\hspace}
10014 \parindent=\z@
10015 \tolerance=5000\relax
10016 \leavevmode}
10017 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10018 \@preamtenfmt
10019 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10020 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10021 \@preamtenfmt
10022 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10023 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10024 \@preamtenfmt
10025 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10026 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10027 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10028 \unvbox\@mpfootinsv@r
10029 \def\baselinestretch{\m@m@footnote@spacing}%
10030 \reset@font\foottextfont
10031 \hspace\columnwidth \@parboxrestore
10032 \protected@edef\@currentlabel{%
10033 \csname p@mpfootnote\endcsname\@thefnmark}%
10034 \color@begingroup
10035 \@tencolfootfmt{#1}%
10036 \color@endgroup}%
10037 \m@mmf@prepare}
10038 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10039 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10040 \unvbox\@mpfootinsv@r

```




```

10041 \def\baselinestretch{\m@m@footnote@spacing}%
10042 \reset@font\LTRfoottextfont
10043 \hsize\columnwidth \@parboxrestore
10044 \if@RTLcolumnfootnotes\beginL\fi
10045 \protected@edef\@currentlabel{%
10046   \csname p@mpfootnote\endcsname\@thefnmark}%
10047 \color@begingroup
10048   \@tencolLTRfootfmt{#1}%
10049 \color@endgroup}%
10050 \m@mmf@prepare}
10051 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10052   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10053     \unvbox\@mpfootinsv@r
10054     \def\baselinestretch{\m@m@footnote@spacing}%
10055     \reset@font\RTLfoottextfont
10056     \hsize\columnwidth \@parboxrestore
10057     \protected@edef\@currentlabel{%
10058       \csname p@mpfootnote\endcsname\@thefnmark}%
10059     \color@begingroup
10060       \@tencolRTLfootfmt{#1}%
10061     \color@endgroup}%
10062     \m@mmf@prepare}
10063 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
10064   \m@make@tencolfootnotetext{#1}%
10065   \m@make@mptencolfootnotetext{#1}%
10066   \m@make@tencolfootfmt{#1}%
10067   \m@make@tencol@footgroup{#1}%
10068   \m@make@mptencol@footgroup{#1}%
10069   \m@make@footstart{#1}%
10070   \bidi@namelongdef{\@footnotetext#1}##1{%
10071     \@nameuse{\@tencolfootnotetext#1}{##1}}%
10072   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10073     \@nameuse{\@mptencolfootnotetext#1}{##1}}%
10074   \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
10075   \@namedef{\mp@footgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
10076   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10077   \expandafter\count\csname footins#1\endcsname=500\relax}
10078 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
10079   \bidi@namelongdef{\@tencolfootnotetext#1}##1{%
10080     \insert\@nameuse{footins#1}{%
10081       \def\baselinestretch{\m@m@footnote@spacing}%
10082       \reset@font\@nameuse{foottextfont#1}%
10083       \@preamfntext
10084       \protected@edef\@currentlabel{%
10085         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
10086       \color@begingroup
10087         \@nameuse{\@tencolfootfmt#1}{##1}%
10088       \color@endgroup}%
10089       \m@mmf@prepare}}
10090 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%

```



```

10091 \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
10092 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10093   \unvbox\@nameuse{@mpfootins#1}
10094   \def\baselinestretch{\m@m@footnote@spacing}%
10095   \reset@font\@nameuse{foottextfont#1}%
10096   \hsize\columnwidth \@parboxrestore
10097   \protected@edef\@currentlabel{%
10098     \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10099   \color@begingroup
10100     \@nameuse{@tencolfootfmt#1}-##1}%
10101   \color@endgroup}\m@mmf@prepare}}
10102 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
10103   \namedef{@tencolfootfmt#1}##1{%
10104     \@preamtenfmt
10105     {\@nameuse{footfootmark#1}\strut
10106       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10107 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10108   \namedef{@tencol@footgroup#1}{%
10109     \def\baselinestretch{\m@m@footnote@spacing}%
10110     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10111     \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
10112 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10113   \namedef{@mptencol@footgroup#1}{%
10114     \def\baselinestretch{\m@m@footnote@spacing}%
10115     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10116     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
10117 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10118   \setbox0=\vbox{\unvbox#1}
10119   \global\setbox1=\lastbox}%
10120 \unhbox1
10121 \unskip
10122 \unskip
10123 \unpenalty
10124 \hskip\m@mipn@skip}
10125 \bidi@ensure@newcommand{\m@mungebox}{%
10126   \setbox0=\hbox{\m@munvxh0}%
10127   \dp0=\z@
10128   \ht0=\footfudgefactor\wd0
10129   \box0
10130   \penalty0}
10131 \newskip\m@mipn@skip
10132 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
10133   {\foottextfont\global\m@mipn@skip=#1\relax}}
10134 \m@minterparanoteglue{1em plus.4em minus.4em}
10135 \ifpackageloaded{multicol}{%
10136 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10137   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10138   \hsize\textwidth%
10139   \setbox0=\hbox{}%
10140   \loop

```



```

10141 \unpenalty
10142 \setbox2=\lastbox
10143 \ifhbox2
10144 \setbox0=\hbox{\box2\unhbox0}
10145 \repeat}
10146 }{%
10147 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10148 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10149 \setbox0=\hbox{}}%
10150 \loop
10151 \unpenalty
10152 \setbox2=\lastbox
10153 \ifhbox2
10154 \setbox0=\hbox{\box2\unhbox0}
10155 \repeat}}
10156 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10157 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10158 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
10159 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10160 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10161 \@bidi@before@Hy@hyperfootnotes
10162 \let\@footnotetext\@parafootnotetext
10163 \let\@LTRfootnotetext\@paraLTRfootnotetext
10164 \let\@RTLfootnotetext\@paraRTLfootnotetext
10165 \dimen\footinsv@r=\footinsdim
10166 \count\footinsv@r=1000\relax
10167 \m@make@para@footgroup{v@r}%
10168 \let\@footgroupv@r\@para@footgroupv@r
10169 \let\@mpfootnotetext\@mpparafootnotetext
10170 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10171 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10172 \@bidi@after@Hy@hyperfootnotes
10173 \m@make@mppara@footgroup{v@r}%
10174 \let\mp@footgroupv@r\@mppara@footgroupv@r
10175 \begingroup
10176 \def\baselinestretch{\m@m@footnote@spacing}%
10177 \foottextfont
10178 \@tempdima\normalbaselineskip
10179 \multiply \@tempdima \@cclvi
10180 \@tempdimb \columnwidth
10181 \divide \@tempdimb \@cclvi
10182 \divide \@tempdima \@tempdimb
10183 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10184 \endgroup
10185 }
10186 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
10187 \let\bidi@RTL@everypar\@empty%
10188 \def\baselinestretch{\m@m@footnote@spacing}%
10189 \reset@font\foottextfont
10190 \@preamfntext

```



```

10191 \protected@edef\@currentlabel{%
10192   \csname p@footnote\endcsname\@thefnmark}%
10193 \setbox0=\vbox{\hsize=\maxdimen
10194   \color@begingroup
10195     \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
10196     \color@endgroup}%
10197 \m@mungebox}\m@mmf@prepare}
10198 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
10199 \let\bidi@RTL@everypar\@empty%
10200 \def\baselinestretch{\m@m@footnote@spacing}%
10201 \reset@font\LTRfoottextfont
10202 \@preamfntext
10203 \protected@edef\@currentlabel{%
10204   \csname p@footnote\endcsname\@thefnmark}%
10205 \setbox0=\vbox{\hsize=\maxdimen
10206   \color@begingroup
10207     \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10208   \color@endgroup}%
10209 \m@mungebox}\m@mmf@prepare}
10210 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10211 \let\bidi@RTL@everypar\@empty%
10212 \def\baselinestretch{\m@m@footnote@spacing}%
10213 \reset@font\RTLfoottextfont
10214 \@preamfntext
10215 \protected@edef\@currentlabel{%
10216   \csname p@footnote\endcsname\@thefnmark}%
10217 \setbox0=\vbox{\hsize=\maxdimen
10218   \color@begingroup
10219     \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10220   \color@endgroup}%
10221 \m@mungebox}\m@mmf@prepare}
10222 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10223 \parindent=\z@
10224 \parfillskip=0pt \@plus 1fil
10225 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10226 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10227 \parindent=\z@
10228 \parfillskip=0pt \@plus 1fil
10229 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10230 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10231 \parindent=\z@
10232 \parfillskip=0pt \@plus 1fil
10233 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10234 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10235 \global\setbox\@mpfootinsv@r\vbox{%
10236   \let\bidi@RTL@everypar\@empty%
10237   \def\baselinestretch{\m@m@footnote@spacing}%
10238   \unvbox\@mpfootinsv@r
10239   \reset@font\foottextfont
10240   \hsize\columnwidth \@parboxrestore

```



```

10241 \protected@edef\@currentlabel{%
10242 \csname p@mpfootnote\endcsname\@thefnmark}%
10243 \setbox0=\vbox{\hsize=\maxdimen
10244 \color@begingroup
10245 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
10246 \color@endgroup}}%
10247 \m@mungebox}\m@mmf@prepare}
10248 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10249 \global\setbox\@mpfootinsv\@r\vbox{%
10250 \let\bidi@RTL@everypar\@empty%
10251 \def\baselinestretch{\m@m@footnote@spacing}%
10252 \unvbox\@mpfootinsv\@r
10253 \reset@font\LTRfoottextfont
10254 \hsize\columnwidth \@parboxrestore
10255 \protected@edef\@currentlabel{%
10256 \csname p@mpfootnote\endcsname\@thefnmark}%
10257 \setbox0=\vbox{\hsize=\maxdimen
10258 \color@begingroup
10259 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10260 \color@endgroup}}%
10261 \m@mungebox}\m@mmf@prepare}
10262 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10263 \global\setbox\@mpfootinsv\@r\vbox{%
10264 \let\bidi@RTL@everypar\@empty%
10265 \def\baselinestretch{\m@m@footnote@spacing}%
10266 \unvbox\@mpfootinsv\@r
10267 \reset@font\RTLfoottextfont
10268 \hsize\columnwidth \@parboxrestore
10269 \protected@edef\@currentlabel{%
10270 \csname p@mpfootnote\endcsname\@thefnmark}%
10271 \setbox0=\vbox{\hsize=\maxdimen
10272 \color@begingroup
10273 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10274 \color@endgroup}}%
10275 \m@mungebox}\m@mmf@prepare}
10276 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
10277 \m@make@parafootnotetext{#1}%
10278 \m@make@mpparafootnotetext{#1}%
10279 \m@make@parafootfmt{#1}%
10280 \m@make@para@footgroup{#1}%
10281 \m@make@mppara@footgroup{#1}%
10282 \m@make@para@footstart{#1}%
10283 \bidi@namelongdef{\@footnotetext#1}##1{%
10284 \@nameuse{\@parafootnotetext#1}{##1}}%
10285 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10286 \@nameuse{\@mpparafootnotetext#1}{##1}}%
10287 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
10288 \@namedef{\mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
10289 \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
10290 \expandafter\dimen\csname footins#1\endcsname=\footinsdim

```



```

10291 \expandafter\count\csname footins#1\endcsname=1000\relax
10292 \begingroup
10293 \def\baselinestretch{\m@m@footnote@spacing}%
10294 \@nameuse{foottextfont#1}%
10295 \@tempdima\normalbaselineskip
10296 \multiply \@tempdima \@cclvi
10297 \@tempdimb \columnwidth
10298 \divide \@tempdimb \@cclvi
10299 \divide \@tempdima \@tempdimb
10300 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10301 \endgroup
10302 }
10303 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
10304 \bidi@namelongdef{@parafootnotetext#1}##1{%
10305 \insert\@nameuse{footins#1}{
10306 \def\baselinestretch{\m@m@footnote@spacing}%
10307 \reset@font\@nameuse{foottextfont#1}%
10308 \@preamfntext
10309 \protected@edef\@currentlabel{%
10310 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10311 \setbox0=\vbox{\hsize=\maxdimen
10312 \color@begingroup
10313 \noindent \@nameuse{@parafootfmt#1}{##1}%
10314 \color@endgroup}%
10315 \m@mungebox}\m@mmf@prepare}}
10316 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
10317 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
10318 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10319 \unvbox\@nameuse{@mpfootins#1}
10320 \def\baselinestretch{\m@m@footnote@spacing}%
10321 \reset@font\@nameuse{foottextfont#1}%
10322 \hsize\columnwidth \@parboxrestore
10323 \protected@edef\@currentlabel{%
10324 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
10325 \setbox0=\vbox{\hsize=\maxdimen
10326 \color@begingroup
10327 \noindent \@nameuse{@parafootfmt#1}{##1}%
10328 \color@endgroup}%
10329 \m@mungebox}\m@mmf@prepare}}
10330 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
10331 \bidi@namelongdef{@parafootfmt#1}##1{%
10332 \parindent=\z@
10333 \parfillskip=0pt \@plus 1fil
10334 {\@nameuse{footfootmark#1}\strut
10335 {\@nameuse{foottextfont#1}##1}\penalty-10}}
10336 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10337 \@namedef{@para@footgroup#1}{%
10338 \unvbox\@nameuse{footins#1}
10339 \m@mmakehboxofhboxes
10340 \setbox0=\hbox{\unhbox0 \m@removehboxes}%

```



```

10341 \@parboxrestore%
10342 \def\baselinestretch{\m@m@footnote@spacing}%
10343 \@nameuse{foottextfont#1}%
10344 \noindent\unhbox0\par}}
10345 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10346 \@namedef{@mppara@footgroup#1}{%
10347 \unvbox\@nameuse{@mpfootins#1}
10348 \m@mmakehboxofhboxes
10349 \setbox0=\hbox{\unhbox0 \m@removehboxes}%
10350 \def\baselinestretch{\m@m@footnote@spacing}%
10351 \@nameuse{foottextfont#1}%
10352 \noindent\unhbox0\par}}
10353 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10354 \@namedef{@para@footstart#1}{%
10355 \vskip\bigskipamount
10356 \leftskip=\z@
10357 \rightskip=\z@
10358 \parindent=\z@
10359 \vskip\skip\@nameuse{footins#1}%
10360 \footnoterule}}
10361 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10362 \xdef\@freelist{\@freelist\@midlist}%
10363 \global\let\@midlist\@empty
10364 \@combinefloats}
10365 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10366 \ifvbox\@kludgeins
10367 \@makespecialcolbox
10368 \else
10369 \setbox\@outputbox \vbox to\@colht{%
10370 \@texttop
10371 \dimen@ \dp\@outputbox
10372 \unvbox \@outputbox
10373 \vskip -\dimen@
10374 \@textbottom}%
10375 \fi}
10376 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10377 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
10378 \boxmaxdepth\@maxdepth
10379 \@tempdima\dp\@cclv
10380 \unvbox\@cclv
10381 \vskip-\@tempdima
10382 \bidi@mopfn@bottom
10383 \vskip \skip\footins
10384 \color@begingroup
10385 \normalcolor
10386 \footnoterule
10387 \unvbox \footins
10388 \color@endgroup}}
10389 \newcommand*{\bidi@mopfootnotebf}{%
10390 \setbox\@outputbox \vbox{%

```



```

10391 \boxmaxdepth\@maxdepth
10392 \unvbox\@outputbox
10393 \bidi@mopfn@bottom
10394 \vskip\skip\footins
10395 \color@begingroup
10396 \normalcolor
10397 \footnoterule
10398 \unvbox \footins
10399 \color@endgroup}}
10400 \gdef\mem@makecol{%
10401 \m@m@makecolintro
10402 \ifvoid\footins
10403 \setbox\@outputbox \box\@cclv
10404 \else
10405 \m@mopfootnote
10406 \fi
10407 \m@mdoextrafeet
10408 \m@m@makecolfloats
10409 \m@m@makecoltext
10410 \global \maxdepth \@maxdepth}
10411 \gdef\bidi@makecolbf{%
10412 \m@m@makecolintro
10413 \setbox\@outputbox \box\@cclv
10414 \m@m@makecolfloats
10415 \ifvoid\footins
10416 \else
10417 \bidi@mopfootnotebf
10418 \fi
10419 \m@mdoextrafeet
10420 \m@m@makecoltext
10421 \global \maxdepth \@maxdepth}
10422 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10423 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10424 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10425 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10426 \FeetAboveFloat
10427 \FeetBelowRagged

```

55 File extreport-xetex-bidi.def

```

10428 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10429 \renewcommand*\l@part[2]{%
10430 \ifnum \c@tocdepth >-2\relax
10431 \addpenalty{-\@highpenalty}%
10432 \addvspace{2.25em \@plus\p@}%
10433 \begingroup
10434 \setlength\@tempdima{3em}%
10435 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10436 \parfillskip -\@pnumwidth
10437 {\leavevmode

```




```

10438     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10439     \nobreak
10440     \global\@nobreaktrue
10441     \everypar{\global\@nobreakfalse\everypar{}}%
10442   \endgroup
10443 \fi}
10444 \renewcommand*\l@chapter[2]{%
10445   \ifnum \c@tocdepth >\m@ne
10446     \addpenalty{-\@highpenalty}%
10447     \vskip 1.0em \@plus\p@
10448     \setlength\@tempdima{1.5em}%
10449     \begingroup
10450       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10451       \parfillskip -\@pnumwidth
10452       \leavevmode \bfseries
10453       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10454       \hskip -\if@RTL\rightskip\else\leftskip\fi
10455       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10456       \penalty\@highpenalty
10457     \endgroup
10458   \fi}
10459 \def\@makechapterhead#1{%
10460   \vspace*{50\p@}%
10461   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10462     \ifnum \c@secnumdepth >\m@ne
10463       \huge\bfseries \@chapapp\space \thechapter
10464       \par\nobreak
10465       \vskip 20\p@
10466     \fi
10467     \interlinepenalty\@M
10468     \Huge \bfseries #1\par\nobreak
10469     \vskip 40\p@
10470   }}
10471 \def\@makeschapterhead#1{%
10472   \vspace*{50\p@}%
10473   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10474     \normalfont
10475     \interlinepenalty\@M
10476     \Huge \bfseries #1\par\nobreak
10477     \vskip 40\p@
10478   }}
10479 \renewcommand\left@footnoterule{%
10480   \kern-3\p@
10481   \hrule\@width.4\columnwidth
10482   \kern2.6\p@}
10483 \renewcommand\right@footnoterule{%
10484   \kern-3\p@
10485   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10486   \kern2.6\p@}
10487 \renewenvironment{thebibliography}[1]

```



```

10488   {\chapter*{\bibname
10489     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10490     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
10491     \bidi@thebibliography@font@hook%
10492     \list{\@biblabel{\@arabic\c@enumiv}}%
10493       {\settowidth\labelwidth{\@biblabel{#1}}%
10494        \leftmargin\labelwidth
10495        \advance\leftmargin\labelsep
10496        \openbib@code
10497        \usecounter{enumiv}%
10498        \let\p@enumiv\@empty
10499        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10500     \sloppy\clubpenalty4000\widowpenalty4000%
10501     \sfcode`\.\@m}
10502   {\def\@noitemerr
10503     {\@latex@warning{Empty `thebibliography' environment}}}%
10504   \endlist}
10505 \if@titlepage
10506 \renewcommand\maketitle{\begin{titlepage}%
10507 \let\footnotesize\small
10508 \let\right@footnoterule\relax
10509 \let\left@footnoterule\relax
10510 \let\textwidth@footnoterule\relax
10511 \let \footnote \thanks
10512 \null\vfil
10513 \vskip 60\p@
10514 \begin{center}%
10515   {\LARGE \@title \par}%
10516   \vskip 3em%
10517   {\large
10518     \lineskip .75em%
10519     \begin{tabular}[t]{c}%
10520       \@author
10521     \end{tabular}\par}%
10522     \vskip 1.5em%
10523     {\large \@date \par}%           % Set date in \large size.
10524 \end{center}\par
10525 \@thanks
10526 \vfil\null
10527 \end{titlepage}%
10528 \setcounter{footnote}{0}%
10529 \global\let\thanks\relax
10530 \global\let\maketitle\relax
10531 \global\let\@thanks\@empty
10532 \global\let\@author\@empty
10533 \global\let\@date\@empty
10534 \global\let\@title\@empty
10535 \global\let\title\relax
10536 \global\let\author\relax
10537 \global\let\date\relax

```



```

10538 \global\let\and\relax
10539 }
10540 \else
10541 \renewcommand\maketitle{\par
10542 \begin{group}
10543 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10544 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10545 \long\def\@makefntext##1{\parindent 1em\noindent
10546 \hb@xt@1.8em{%
10547 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10548 \if@twocolumn
10549 \ifnum \col@number=\@ne
10550 \@maketitle
10551 \else
10552 \twocolumn[\@maketitle]%
10553 \fi
10554 \else
10555 \newpage
10556 \global\@topnum\z@ % Prevents figures from going at top of page.
10557 \@maketitle
10558 \fi
10559 \thispagestyle{plain}\@thanks
10560 \endgroup
10561 \setcounter{footnote}{0}%
10562 \global\let\thanks\relax
10563 \global\let\maketitle\relax
10564 \global\let\@maketitle\relax
10565 \global\let\@thanks\@empty
10566 \global\let\@author\@empty
10567 \global\let\@date\@empty
10568 \global\let\@title\@empty
10569 \global\let\title\relax
10570 \global\let\author\relax
10571 \global\let\date\relax
10572 \global\let\and\relax
10573 }
10574 \def\@maketitle{%
10575 \newpage
10576 \null
10577 \vskip 2em%
10578 \begin{center}%
10579 \let \footnote \thanks
10580 {\LARGE \@title \par}%
10581 \vskip 1.5em%
10582 {\large
10583 \lineskip .5em%
10584 \begin{tabular}[t]{c}%
10585 \@author
10586 \end{tabular}\par}%
10587 \vskip 1em%

```



```

10588     {\large \@date}%
10589   \end{center}%
10590   \par
10591   \vskip 1.5em}
10592 \fi
10593 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
10594 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10595 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10596 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10597 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10598 \renewcommand\theequation{%
10599   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10600 \renewcommand\thefigure{%
10601   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
10602 \renewcommand\thetable{%
10603   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

56 File fancybox-xetex-bidi.def

```

10604 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10605 \def\fancy@Oval#1#2#3{%
10606   \boxmaxdepth \maxdimen
10607   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10608   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10609   \@ovxx#1\relax
10610   \advance\@ovxx-\@wholewidth
10611   \@ovyy#2\relax
10612   \advance\@ovyy-\@wholewidth
10613   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10614   \advance\@tempdimb-2\p@
10615   \ifdim\@tempdimb>\the@cornersize\relax
10616     \@tempdimb=\the@cornersize
10617   \fi
10618   \@getcirc\@tempdimb
10619   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10620   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10621   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10622   \@circlefnt
10623   \setbox\@tempboxa\hbox{\beginL%
10624     \if@ovr \@ovvert32\kern -\@tempdima \fi
10625     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10626     \if@ovt \@ovhorz \kern -\@ovxx \fi
10627     \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10628   \advance\@ovdx\@ovro
10629   \advance\@ovdy\@ovro
10630   \advance\@ovxx\@wholewidth
10631   \wd\@tempboxa=\@ovxx
10632   \dp\@tempboxa=\z@}

```



57 File fancyhdr-xetex-bidi.def

```
10633 \ProvidesFile{fancyhdr-xetex-bidi.def}[2016/11/30 v0.6 bidi adaptations for fancyhdr package]
10634
10635 \let\fnch@everypar\everypar%
10636
10637 \def\@fancyhead#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10638   \@fancyvbox\headheight{\hbox
10639     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10640       \parbox[b]{\headwidth}{\centering#3}\hfill
10641       \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10642
10643 \def\@fancyfoot#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10644   \@fancyvbox\footskip{\footrule
10645     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10646       \parbox[t]{\headwidth}{\centering#3}\hfill
10647       \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\hfill}}#5}
10648
```

58 File fix2col-xetex-bidi.def

```
10649 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
10650 \def\RTL@outputdblcol{%
10651   \if@firstcolumn
10652     \global\@firstcolumnfalse
10653     \global\setbox\@leftcolumn\copy\@outputbox
10654     \splitmaxdepth\maxdimen
10655     \vbadness\maxdimen
10656     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10657     \toks@{\expandafter{\topmark}}%
10658     \xdef\@firstcoltopmark{\the\toks@}%
10659     \toks@{\expandafter{\splitfirstmark}}%
10660     \xdef\@firstcolfirstmark{\the\toks@}%
10661     \ifx\@firstcolfirstmark\@empty
10662       \global\let\@setmarks\relax
10663     \else
10664       \gdef\@setmarks{%
10665         \let\firstmark\@firstcolfirstmark
10666         \let\topmark\@firstcoltopmark}%
10667     \fi
10668   \else \global\@firstcolumntrue
10669     \setbox\@outputbox \vbox {\hbox to\textwidth {%
10670       \hskip \columnwidth
10671       \hfil \vrule width\columnseprule \hfil
10672       \hbox to\columnwidth {%
10673         \bidi@firstcolumn@status@write%
10674         \box\@leftcolumn \hss}%
10675       \hskip -\textwidth
10676       \hbox to\columnwidth{%
10677         \bidi@lastcolumn@status@write%
```



```

10678 \box\@outputbox \hss}%
10679 \hskip \columnsep
10680 \hskip \columnwidth }}%
10681 \@combinedblfloats \@setmarks \@outputpage
10682 \begingroup \@dblfloatplacement \@startdblcolumn
10683 \@whiles\if@fcolmade \fi
10684 {\@outputpage \@startdblcolumn }\endgroup
10685 \fi}
10686 \def\LTR@outputdblcol{%
10687   \if@firstcolumn
10688     \global\@firstcolumnfalse
10689     \global\setbox\@leftcolumn\copy\@outputbox
10690     \splitmaxdepth\maxdimen
10691     \vbadness\maxdimen
10692     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10693     \toks@\expandafter{\topmark}%
10694     \xdef\@firstcoltopmark{\the\toks@}%
10695     \toks@\expandafter{\splitfirstmark}%
10696     \xdef\@firstcolfirstmark{\the\toks@}%
10697     \ifx\@firstcolfirstmark\@empty
10698       \global\let\@setmarks\relax
10699     \else
10700       \gdef\@setmarks{%
10701         \let\firstmark\@firstcolfirstmark
10702         \let\topmark\@firstcoltopmark}%
10703     \fi
10704   \else
10705     \global\@firstcolumntrue
10706     \setbox\@outputbox\vbox{%
10707       \hb@xt@\textwidth{%
10708         \hb@xt@\columnwidth{%
10709           \bidi@firstcolumn@status@write%
10710           \box\@leftcolumn \hss}%
10711         \hfil
10712         \vrule \@width\columnseprule
10713         \hfil
10714         \hb@xt@\columnwidth{%
10715           \bidi@lastcolumn@status@write%
10716           \box\@outputbox \hss}}}%
10717   \@combinedblfloats
10718   \@setmarks
10719   \@outputpage
10720   \begingroup
10721     \@dblfloatplacement
10722     \@startdblcolumn
10723     \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10724   \endgroup
10725 \fi}

```



59 File fleqn-xetex-bidi.def

```
10726 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
10727 \renewcommand\[\relax
10728     \ifmmode\@badmath
10729     \else
10730     \begin{trivlist}%
10731     \@beginparpenalty\predisplaypenalty
10732     \@endparpenalty\postdisplaypenalty
10733     \item[]\leavevmode
10734     \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10735     \hskip\mathindent\bgroup
10736     \fi}
10737 \renewcommand\]{\relax
10738     \ifmmode
10739     \egroup $\hfil% $
10740     \endL\egroup
10741     \end{trivlist}%
10742     \else \@badmath
10743     \fi}
10744 \renewenvironment{equation}%
10745 {\@beginparpenalty\predisplaypenalty
10746 \@endparpenalty\postdisplaypenalty
10747 \refstepcounter{equation}%
10748 \trivlist \item[]\leavevmode
10749 \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10750 \displaystyle
10751 \hskip\mathindent}%
10752 {$\hfil % $
10753 \displaywidth\linewidth\hbox{\@eqnnum}%
10754 \endL\egroup
10755 \endtrivlist}
```

60 File float-xetex-bidi.def

```
10756 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
10757 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10758 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10759 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10760 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10761 \expandafter\edef\csname the#1\endcsname{%
10762 \expandafter\noexpand\csname
10763 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10764 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}
```

61 File floatrow-xetex-bidi.def

```
10765 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
10766 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10767 \expandafter\edef\csname theFB@captype\endcsname{}}
```



```

10768 \expandafter\noexpand\csname
10769 the#1\endcsname\@SepMark\noexpand\arabic{\FB@capttype}}

```

62 File flowfram-xetex-bidi.def

```

10770 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package]
10771 \def\@outputdblcol{%
10772 \@nxtcol=\c@thisframe
10773 \c@curpg=\c@page
10774 \g@tnextcol{\@nxtcol}%
10775 \iff@nwpg % next flow frame starts on new page
10776 \global\@firstcolumntrue
10777 \setcolbox\c@thisframe
10778 \if@specialpage
10779 \global\@specialpagefalse
10780 \nameuse{ps@\@specialstyle}\relax
10781 \fi
10782 \if@twoside
10783 \ifodd\count\z@
10784 \let\@thehead\@oddhead
10785 \let\@thefoot\@oddfoot
10786 \else
10787 \let\@thehead\@evenhead
10788 \let\@thefoot\@evenfoot
10789 \fi
10790 \else
10791 \let\@thehead\@oddhead
10792 \let\@thefoot\@oddfoot
10793 \fi
10794 \@beginndvi
10795 \@dynamicthehead\@dynamicthefoot
10796 \vbadness=\@M
10797 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10798 \@combinedblfloats
10799 \@outputpage
10800 \advance\c@curpg by -\c@page\relax
10801 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10802 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10803 \@outputpage}
10804 \beginngroup
10805 \dblfloatplacement
10806 \startdblcolumn
10807 \@whilesw \iffcolmade \fi
10808 {\@outputpage \@startdblcolumn }\endgroup
10809 \@resetst@tics
10810 \@resetdyn@mics
10811 \else % still on same page, save contents of box255
10812 \global\@firstcolumnfalse
10813 \setcolbox\c@thisframe
10814 \fi

```




```

10815 \global\c@thisframe=\@nxtcol
10816 \@setcol{\c@thisframe}\relax
10817 \global\@colht\vsiz
10818 }
10819 \def\@outputpage{%
10820 \begingroup
10821 \let\protect\noexpand
10822 \@resetactivechars
10823 \global\let\@if@newlist@if@newlist
10824 \global\@newlistfalse\@parboxrestore
10825 \shipout\vbox{\set@typeset@protect
10826 \aftergroup
10827 \endgroup
10828 \aftergroup
10829 \set@typeset@protect
10830 \reset@font\normalsize\normalsfcodes
10831 \let\label@gobble
10832 \let\index@gobble
10833 \let\glossary@gobble
10834 \baselineskip\z@skip
10835 \lineskip\z@skip
10836 \lineskiplimit\z@
10837 \vskip\topmargin\moveright\@themargin
10838 \vbox{%
10839 \vskip\headheight
10840 \vskip\headsep
10841 \box\@outputbox
10842 }}%
10843 \global\let@if@newlist\@if@newlist
10844 \stepcounter{page}%
10845 \setcounter{displayedframe}{0}%
10846 \let\firstmark\botmark}
10847
10848
10849 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{%
10850 \expandafter\bidicolor\ff@txtcol}}
10851
10852 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10853 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
10854
10855
10856 \renewcommand*\{@docolbox}[1]{%
10857 \edef\ff@frametype{%
10858 \csname @ff@frametype@\romannumeral#1\endcsname}%
10859 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10860 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10861 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10862 \@ff@setoffset{#1}%
10863 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10864 \ifthenelse{\boolean{columnframe\romannumeral#1}}{}}%

```



```

10865 \off@fbox{\csname colwidth\romannumeral#1\endcsname}%
10866 {\csname colheight\romannumeral#1\endcsname}{%
10867 \expandafter\box\csname column\romannumeral#1\endcsname}{%
10868 \csname\ff@frametype\endcsname}%
10869 }{%
10870 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10871 {\csname colheight\romannumeral#1\endcsname}{%
10872 \expandafter\box\csname column\romannumeral#1\endcsname}%
10873 }}}
10874 \@ifclassloaded{book}{%
10875 \renewcommand\theequation
10876 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10877 \renewcommand \thefigure
10878 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10879 \renewcommand \thetable
10880 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10881 \renewcommand \thechapter {\@arabic\c@chapter}
10882 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10883 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10884 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10885 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10886 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10887 \@ifclassloaded{report}{%
10888 \renewcommand\theequation
10889 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10890 \renewcommand \thefigure
10891 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10892 \renewcommand \thetable
10893 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10894 \renewcommand \thechapter {\@arabic\c@chapter}
10895 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10896 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10897 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10898 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10899 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10900 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10901 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10902 \else
10903 #2\relax
10904 \fi}

```

63 File footnote-xetex-bidi.def

```

10905 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
10906 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10907 \newif\ifbidi@autofooterule
10908 \def\bidi@mpfootnoterule{\footnoterule}
10909 \newcounter{footdir@label}
10910 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
10911 \newcommand*{\footdir@write}{%

```



```

10912 \stepcounter{footdir@label}%
10913 \zref@labelbyprops{\thefootdir@label}{abspage}%
10914 }
10915 \newif\iffootdir@debug
10916 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10917 \newtoks\footdir@toks
10918 \newcommand*{\footdir@debug}[1]{%
10919   \iffootdir@debug
10920     \typeout{[footdir] #1}%
10921   \fi
10922 }
10923 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
10924 % \newcommand*{\footdir@LeftRightElse}{%
10925 %   \ltx@ifundefined{footdir@the\value{zabspage}}{%
10926 %     \footdir@debug{abspage \the\value{zabspage}: else}%
10927 %     \ltx@thirdofthree
10928 %   }{%
10929 %     \if\csname footdir@the\value{zabspage}\endcsname L%
10930 %       \footdir@debug{abspage \the\value{zabspage}: left}%
10931 %       \expandafter\ltx@firstofthree
10932 %     \else
10933 %       \footdir@debug{abspage \the\value{zabspage}: right}%
10934 %       \expandafter\ltx@secondofthree
10935 %     \fi
10936 %   }%
10937 % }%
10938 %}%
10939 \providecommand*{\c@zabspage}{\c@abspage}%
10940 \newcommand*{\footdir@LeftRightElse}{%
10941   \footdir@write
10942   \zifrefundefined{\thefootdir@label}{%
10943     \footdir@debug{abspage ??: else}%
10944     \ltx@thirdofthree
10945   }{%
10946     \edef\footdir@abspage{%
10947       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10948     }%
10949     \ltx@ifundefined{footdir@\footdir@abspage}{%
10950       \footdir@debug{\footdir@abspage: else}%
10951       \ltx@thirdofthree
10952     }{%
10953       \if\csname footdir@\footdir@abspage\endcsname L%
10954         \footdir@debug{\footdir@abspage: left}%
10955         \expandafter\ltx@firstofthree
10956       \else
10957         \footdir@debug{\footdir@abspage: right}%
10958         \expandafter\ltx@secondofthree
10959       \fi
10960     }%
10961   }%

```



```

10962 }%
10963 %}
10964 \newcommand*{\footdir@fntext}[1]{%
10965   \zifrefundefined{\thefootdir@label}{%
10966     {%
10967       \edef\footdir@name{%
10968         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10969       }%
10970       \@ifundefined{\footdir@name}{%
10971         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10972       }{}%
10973     }%
10974 }
10975
10976 \newcommand*{\footdir@temp}[3]{%
10977   \@ifdefinable{#1}{%
10978     \let#1#2%
10979     \renewcommand{#2}[1]{%
10980       \footdir@write
10981       \footdir@fntext{#3}%
10982       \stepcounter{footdir@label}%
10983       \footdir@fntext{#3}%
10984       \footdir@toks{##1}%
10985       \footdir@toks\expandafter{%
10986         \the\expandafter\footdir@toks
10987         \expandafter
10988         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10989       }%
10990       \expandafter#1\expandafter{\the\footdir@toks}%
10991     }%
10992   }%
10993 }
10994
10995 \def\right@footnoterule{%
10996   \kern-3\p@
10997   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10998   \kern2.6\p@}
10999 \def\left@footnoterule{\kern-3\p@
11000   \hrule \@width .4\columnwidth \kern 2.6\p@}
11001 \def\textwidth@footnoterule{\kern-3\p@
11002   \hrule \@width \columnwidth \kern 2.6\p@}
11003 \def\leftfootnoterule{%
11004   \bidi@autofootnoterulefalse%
11005   \def\footnoterule{\left@footnoterule}}
11006 \let\LRfootnoterule=\leftfootnoterule
11007 \def\rightfootnoterule{%
11008   \bidi@autofootnoterulefalse%
11009   \def\footnoterule{\right@footnoterule}}
11010 \def\textwidthfootnoterule{%
11011   \bidi@autofootnoterulefalse%

```



```

11012 \def\footnoterule{\textwidth\footnoterule}}
11013
11014
11015
11016 \def\auto@footnoterule{%
11017 \footdir@LeftRightElse%
11018 \left@footnoterule%
11019 \right@footnoterule%
11020 \left@footnoterule%
11021 }
11022
11023
11024
11025 \def\autofootnoterule{%
11026 \bidi@autofootnoteruletrue%
11027 \def\footnoterule{\auto@footnoterule}%
11028 }
11029
11030 \newcommand*\SplitFootnoteRule{%
11031   \gdef\split@prev{0}
11032   \let\pagefootnoterule\footnoterule
11033   \let\mpfootnoterule\footnoterule
11034   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11035   \def\footnoterule{\relax
11036     \ifx \@listdepth\@mplistdepth
11037       \mpfootnoterule
11038     \else
11039       \ifnum\split@prev=\z@
11040         \pagefootnoterule
11041       \else
11042         \splitfootnoterule
11043       \fi
11044       \xdef\split@prev{\the\insertpenalties}%
11045     \fi
11046   }%
11047 }
11048
11049
11050
11051
11052 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11053   \protected@xdef\@thefnmark{\thempfn}%
11054   \@footnotemark\@RTLfootnotetext}}
11055 \def\@xRTLfootnote[#1]{%
11056   \begingroup
11057     \csname c@\@mpfn\endcsname #1\relax
11058     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11059   \endgroup
11060   \@footnotemark\@RTLfootnotetext}
11061 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn

```



```

11062     \protected@xdef\@thefnmark{\thempfn}%
11063     \@footnotemark\@LTRfootnotetext}}
11064 \def\xLTRfootnote[#1]{%
11065   \begingroup
11066     \csname c@\@mpfn\endcsname #1\relax
11067     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11068   \endgroup
11069   \@footnotemark\@LTRfootnotetext}
11070
11071
11072 \def\setfootnoteRL{\@RTL@footnotetrue}
11073 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11074 \def\setfootnoteLR{\unsetfootnoteRL}
11075
11076 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11077 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11078 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11079
11080 \long\def\@footnotetext#1{\insert\footins{%
11081   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11082   \reset@font%
11083   \bidi@footnotetext@font% \reset@font\footnotesize
11084   \interlinepenalty\interfootnotelinepenalty
11085   \splittopskip\footnotesep
11086   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11087   \hsize\columnwidth \@parboxrestore
11088   \protected@edef\@currentlabel{%
11089     \csname p@footnote\endcsname\@thefnmark
11090   }%
11091   \color@begingroup
11092     \@makefntext{%
11093       \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11094     \color@endgroup}}%
11095
11096
11097 \long\def\@RTLfootnotetext#1{\insert\footins{%
11098   \@RTLtrue%
11099   \reset@font%
11100   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11101   \interlinepenalty\interfootnotelinepenalty
11102   \splittopskip\footnotesep
11103   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11104   \hsize\columnwidth \@parboxrestore
11105   \protected@edef\@currentlabel{%
11106     \csname p@footnote\endcsname\@thefnmark
11107   }%
11108   \color@begingroup
11109     \@makefntext{%
11110       \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11111     \color@endgroup}}%

```



```

11112
11113 \long\def\LTRfootnotetext#1{\insert\footins{%
11114     \RTLfalse%
11115     \reset@font%
11116     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11117     \interlinepenalty\interfootnotelinepenalty
11118     \splittopskip\footnotesep
11119     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11120     \hsize\columnwidth \@parboxrestore
11121     \protected@edef\@currentlabel{%
11122         \csname p@footnote\endcsname\@thefnmark
11123     }%
11124     \color@begingroup
11125         \@makefntext{%
11126             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11127     \color@endgroup}}%
11128
11129 \AtBeginDocument{%
11130 \if@RTL\footnote
11131     \newcommand*{\bidi@footdir@footnote}{R}
11132 \else
11133     \newcommand*{\bidi@footdir@footnote}{L}
11134 \fi%
11135 }
11136
11137 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11138 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\RTLfootnotetext{R}%
11139 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\LTRfootnotetext{L}%
11140
11141 \long\def\@mpRTLfootnotetext#1{%
11142     \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
11143     \global\setbox\@mpfootins\vbox{\@RTLtrue%
11144         \unvbox\@mpfootins
11145         \reset@font%
11146         \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11147         \hsize\columnwidth
11148         \@parboxrestore
11149         \protected@edef\@currentlabel
11150             {\csname p@mpfootnote\endcsname\@thefnmark}%
11151         \color@begingroup
11152             \@makefntext{%
11153                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11154         \color@endgroup}}
11155 \long\def\@mpLTRfootnotetext#1{%
11156     \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
11157     \global\setbox\@mpfootins\vbox{\@RTLfalse%
11158         \unvbox\@mpfootins
11159         \reset@font%
11160         \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11161         \hsize\columnwidth

```



```

11162 \parboxrestore
11163 \protected@edef\@currentlabel
11164     {\csname p@mpfootnote\endcsname\@thefnmark}%
11165 \color@begingroup
11166     \@makefntext{%
11167         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11168     \color@endgroup}}
11169 \long\def\@mpfootnotetext#1{%
11170 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\@bidi@mpfootnoterule
11171 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11172     \unvbox\@mpfootins
11173     \reset@font%
11174     \bidi@footnotetext@font% \reset@font\footnotesize
11175     \hsize\columnwidth
11176     \@parboxrestore
11177     \protected@edef\@currentlabel
11178         {\csname p@mpfootnote\endcsname\@thefnmark}%
11179     \color@begingroup
11180     \@makefntext{%
11181         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11182     \color@endgroup}}
11183 \def\@iiiminipage#1#2[#3]#4{%
11184 \leavevmode
11185 \@pboxswfalse
11186 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11187 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11188 \setlength\@tempdima{#4}%
11189 \def\@mpargs{{#1}{#2}[#3]{#4}}%
11190 \setbox\@tempboxa\vbox\bgroup
11191     \color@begingroup
11192     \hsize\@tempdima
11193     \textwidth\hsize \columnwidth\hsize
11194     \@parboxrestore
11195     \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11196     \let\@footnotetext\@mpfootnotetext
11197     \let\@LTRfootnotetext\@mpLTRfootnotetext
11198     \let\@RTLfootnotetext\@mpRTLfootnotetext
11199     \let\@listdepth\@mplistdepth \@mplistdepth\z@
11200     \@minipagerestore
11201     \@setminipage}
11202 \def\endminipage{%
11203     \par
11204     \unskip
11205     \ifvoid\@mpfootins\else
11206         \vskip\skip\@mpfootins
11207         \normalcolor
11208         \bidi@mpfootnoterule
11209         \unvbox\@mpfootins
11210     \fi
11211     \@minipagefalse %% added 24 May 89

```




```

11212 \color@endgroup
11213 \egroup
11214 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11215 \def\LTRthanks#1{\footnotemark
11216   \protected@xdef\@thanks{\@thanks
11217     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11218 }
11219 \def\LTRfootnotetext{%
11220   \@ifnextchar [\@xLTRfootnotenext
11221     {\protected@xdef\@thefnmark{\thempfn}%
11222     \@LTRfootnotetext}}
11223 \def\@xLTRfootnotenext[#1]{%
11224   \begingroup
11225     \csname c@\@mpfn\endcsname #1\relax
11226     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11227   \endgroup
11228   \@LTRfootnotetext}
11229 \def\RTLthanks#1{\footnotemark
11230   \protected@xdef\@thanks{\@thanks
11231     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11232 }
11233 \let\@thanks\@empty
11234 \def\RTLfootnotetext{%
11235   \@ifnextchar [\@xRTLfootnotenext
11236     {\protected@xdef\@thefnmark{\thempfn}%
11237     \@RTLfootnotetext}}
11238 \def\@xRTLfootnotenext[#1]{%
11239   \begingroup
11240     \csname c@\@mpfn\endcsname #1\relax
11241     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11242   \endgroup
11243   \@RTLfootnotetext}
11244 \leftfootnoterule

```

64 File framed-xetex-bidi.def

```

11245 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for X
11246 \renewcommand\TitleBarFrame[3][\begingroup
11247   \ifx\delimiter#1\delimiter
11248     \let\TF@conlab\@empty
11249   \else
11250     \def\TF@conlab{% continuation label
11251       \nointerlineskip
11252       \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
11253   \fi
11254   %\let\TF@savecolor\current@color
11255   \textcolor{TF@FrameColor}{%
11256     \CustomFBox
11257       {\TF@Title{#2}}{\TF@conlab}%
11258     \fbboxrule\fbboxrule\fbboxrule\fbboxrule

```



```

11259   {%\let\current@color\TF@savecolor\set@color #3}%
11260   {\normalcolor #3}%
11261 } \endgroup
11262 }
11263 \renewenvironment{titled-frame}[1]{%
11264   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
11265     \TitleBarFrame{\textbf{#1}}}%
11266   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
11267     \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1}}}%
11268   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
11269     \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1} \ (cont)}%
11270   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
11271     \TitleBarFrame{\textbf{#1} \ (cont)}}}%
11272   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11273 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11274 % could interfere with the width measurement.
11275 {\endMakeFramed}
11276 \chardef\FrameRestore=\catcode`\| % for debug
11277 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11278 \def\fb@put@frame#1#2{\relax
11279   \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11280 |   \message{===== Entering putframe =====^~J
11281 |   \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
11282   \ifinner
11283     \fb@putboxa#1%
11284     \fb@afterframe
11285   \else
11286     \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11287     \ifdim\dimen@<2\baselineskip % Too little room on page
11288 |     \message{Page has only \the\dimen@\space room left; eject. }%
11289     \eject \fb@adjheight \fb@put@frame#1#2%
11290   \else % there's appreciable room left on the page
11291     \fb@sizeofframe#1%
11292 |     \message{\string\pagetotal=\the\pagetotal,
11293 |       \string\pagegoal=\the\pagegoal,
11294 |       \string\pagestretch=\the\pagestretch,
11295 |       \string\pageshrink=\the\pageshrink,
11296 |       \string\fb@frh=\the\fb@frh. \space}
11297 |     \message{^~JBox of size \the\ht\@tempboxa\space}%
11298     \begingroup % temporarily set \dimen@ to be...
11299     \advance\dimen@.8\pageshrink % maximum space available on page
11300     \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11301 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11302     \expandafter\endgroup
11303     % expand \ifdim, then restore \dimen@ to real room left on page
11304     \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11305 |     \message{fits in \the\dimen@. }%
11306     % ToDo: Change this to use vsplit anyway to capture the marks
11307     % MERGE THIS WITH THE else CLAUSE!!!
11308     \fb@putboxa#1%

```



```

11309      \fb@afterframe
11310 \else % box must be split
11311 |   \message{must be split to fit in \the\dimen@. }%
11312   % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11313   \fb@sizeofframe#2%
11314   \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11315     \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11316     \kern137sp\kern-137sp\penalty-30
11317     \unvbox\@tempboxa}%
11318   \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11319     \splittopskip\the\splittopskip}%
11320   \boxmaxdepth\z@ \splittopskip\z@
11321 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11322   % Split box here
11323   \setbox\tw@\vsplit\@tempboxa to\dimen@
11324 | \toks99\expandafter{\splitfirstmark}%
11325 | \toks98\expandafter{\splitbotmark}%
11326 | \message{Marks are: \the\toks99, \the\toks98. }%
11327   \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11328 | \message{Natural height of split box is \the\ht\tw@, leaving
11329 |   \the\ht\@tempboxa\space remainder. }%
11330   % If the split-to size > (\vsize-\topskip), then set box to full size.
11331   \begingroup
11332   \advance\dimen@\topskip
11333   \expandafter\endgroup
11334   \ifdim\dimen@>\pagegoal
11335 |   \message{Frame is big -- Use up the full column. }%
11336   \dimen@ii\pagegoal
11337   \advance\dimen@ii -\topskip
11338   \advance\dimen@ii \FrameHeightAdjust\relax
11339   \else % suspect this is implemented incorrectly:
11340     % If the split-to size > feasible room_on_page, rebox it smaller.
11341     \advance\dimen@.8\pageshrink
11342     \ifdim\ht\tw@>\dimen@
11343 |     \message{Box too tall; rebox it to \the\dimen@. }%
11344     \dimen@ii\dimen@
11345     \else % use natural size
11346       \dimen@ii\ht\tw@
11347     \fi
11348   \fi
11349   % Re-box contents to desired size \dimen@ii
11350   \advance\dimen@ii -\fb@frh
11351   \setbox\tw@\vbox to\dimen@ii \bgroup
11352   % remove simulated frame and page flexibility:
11353   \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11354   \unvbox\tw@ \unpenalty\unpenalty
11355   \ifdim\lastkern=-137sp % whole box went to next page
11356 |   \message{box split at beginning! }%
11357   % need work here???
11358   \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)

```



```

11359         \fb@adjheight
11360         \fb@put@frame#1#2% INSERTED ???
11361     \else % Got material split off at the head
11362         \egroup \fb@resto@set
11363         \ifvoid\@tempboxa % it all fit after all
11364 |         \message{box split at end! }%
11365         \setbox\@tempboxa\box\@tw@
11366         \fb@putboxa#1%
11367         \fb@afterframe
11368     \else % it really did split
11369 |         \message{box split as expected. Its reboxed height is \the\ht\@tw@. }%
11370         \ifdim\wd\@tw@>\z@
11371             \wd\@tw@\wd\@tempboxa
11372             \centerline{#2{\hboxL{\box\@tw@}}}% ??? \centerline bad idea
11373         \else
11374 |         \message{Zero width means likely blank. Don't frame it (guess)}%
11375             \box\@tw@
11376         \fi
11377         \hrule \@height\z@ \@width\hsize
11378         \eject
11379         \fb@adjheight
11380         \fb@put@frame\LastFrameCommand\MidFrameCommand
11381     \fi\fi\fi\fi\fi
11382 }
11383 \def\fb@putboxa#1{%
11384     \ifvoid\@tempboxa
11385         \PackageWarning{framed}{Boxa is void -- discard it. }%
11386     \else
11387 |         \message{Frame and place boxa. }%
11388 |         %{\showoutput\showbox\@tempboxa}%
11389         \centerline{#1{\hboxL{\box\@tempboxa}}}%
11390     \fi
11391 }
11392 \catcode`\|=\FrameRestore
11393 \def\FrameRestore{%
11394     \let\if@nobreak\iffalse
11395     \let\if@noskipsec\iffalse
11396     \let\-\@dischyp
11397     \let'\@acci\let\`@accii\let\=\@acciii
11398     % \message{FrameRestore:
11399     %     \@totalleftmargin=\the \@totalleftmargin,
11400     %     \rightmargin=\the\rightmargin,
11401     %     \@listdepth=\the\@listdepth. }%
11402     % Test if we are in a list (or list-like paragraph)
11403     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11404         \ifdim\rightmargin>\z@ 1\fi
11405         \ifnum\@listdepth>\z@ 1\fi 0>\z@
11406     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11407     %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11408     %     \labelwidth=\the\labelwidth. }%

```



```

11409 \setminipage % snug fit around the item
11410 % Now try to propagate changes of width from \hsize to list parameters.
11411 % This is deficient, but a more advanced way to indicate modification to text
11412 % dimensions is not (yet) provided; in particular, no separate left/right
11413 % adjustment.
11414 \advance\linewidth-\columnwidth \advance\linewidth\hsize
11415 \parshape\@ne \@totalleftmargin \linewidth
11416 \else % Not in list
11417 \linewidth=\hsize
11418 %\message{No list, set \string\linewidth=\the\hsize. }%
11419 \fi
11420 \sloppy
11421 }

```

65 File ftnright-xetex-bidi.def

```

11422 \ProvidesFile{ftnright-xetex-bidi.def}[2017/05/06 v0.5 bidi adaptations for ftnright package]
11423
11424 \def\LTR@outputdblcol{%
11425 \if@firstcolumn
11426 \global\@firstcolumnfalse
11427 \global\setbox\@leftcolumn\copy\@outputbox
11428 \global\count\footins\@m
11429 \global\skip\footins\rcol\footinsskip
11430 \splitmaxdepth\maxdimen
11431 \vbadness\maxdimen
11432 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11433 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11434 \toks@\expandafter{\topmark}%
11435 \xdef\@firstcoltopmark{\the\toks@}%
11436 \toks@\expandafter{\splitfirstmark}%
11437 \xdef\@firstcolfirstmark{\the\toks@}%
11438 \ifx\@firstcolfirstmark\@empty
11439 \global\let\@setmarks\relax
11440 \else
11441 \gdef\@setmarks{%
11442 \let\firstmark\@firstcolfirstmark
11443 \let\topmark\@firstcoltopmark}%
11444 \fi
11445 \else
11446 \preparefootins
11447 \global\@firstcolumntrue
11448 \setbox\@outputbox\vbox{%
11449 \hb@xt@\textwidth{%
11450 \hb@xt@\columnwidth{%
11451 \bidi@firstcolumn@status@write%
11452 \box\@leftcolumn \hss}%
11453 \hfil
11454 {\normalcolor\vrule \@width\columnseprule}%
11455 \hfil

```



```

11456      \hb@xt@\columnwidth{%
11457      \bidi@lastcolumn@status@write%
11458      \box\@outputbox \hss}}}%
11459 \@combinedblfloats
11460   \setmarks
11461   \@outputpage
11462   \beginingroup
11463   \@dblfloatplacement
11464   \@startdblcolumn
11465   \@whiles\if@fcolmade \fi{\@outputpage
11466   \@startdblcolumn}}%
11467   \endgroup
11468 \fi}%
11469
11470
11471
11472 \def\RTL@outputdblcol{%
11473   \if@firstcolumn
11474     \global\@firstcolumnfalse
11475     \global\setbox\@leftcolumn\copy\@outputbox
11476     \global\count\footins\@m
11477     \global\skip\footins\rcol@footinsskip
11478     \splitmaxdepth\maxdimen
11479     \vbadness\maxdimen
11480     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11481     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11482     \toks@{\expandafter{\topmark}}%
11483     \xdef\@firstcoltopmark{\the\toks@}%
11484     \toks@{\expandafter{\splitfirstmark}}%
11485     \xdef\@firstcolfirstmark{\the\toks@}%
11486     \ifx\@firstcolfirstmark\@empty
11487       \global\let\setmarks\relax
11488     \else
11489       \gdef\setmarks{%
11490         \let\firstmark\@firstcolfirstmark
11491         \let\topmark\@firstcoltopmark}%
11492     \fi
11493   \else
11494     \preparefootins
11495     \global\@firstcolumntrue
11496     \setbox\@outputbox\vbox{%
11497       \hb@xt@\textwidth{%
11498         \hskip \columnwidth
11499         \hfil
11500         {\normalcolor\vrule \@width\columnseprule}%
11501         \hfil
11502         \hb@xt@\columnwidth{%
11503           \bidi@firstcolumn@status@write%
11504           \box\@leftcolumn \hss}%
11505         \hskip -\textwidth

```



```

11506      \hb@xt@\columnwidth{%
11507      \bidi@lastcolumn@status@write%
11508      \box\@outputbox \hss}%
11509      \hskip \columnsep
11510      \hskip \columnwidth }}%
11511 \@@combinedblfloats
11512   \@@setmarks
11513   \@@outputpage
11514   \begin@group
11515   \@@dblfloatplacement
11516   \@@startdblcolumn
11517   \@@whilesw@if@fcolmade \fi{\@@outputpage
11518   \@@startdblcolumn}%
11519   \endgroup
11520 \fi}%
11521
11522
11523
11524 \let\leftfootnoterule\@empty
11525 \let\rightfootnoterule\@empty
11526 \let\textwidthfootnoterule\@empty
11527 \let\autofootnoterule\@empty
11528 \let\footnoterule\@empty
11529 \long\def\@makeintext#1{\parindent 1em
11530   \noindent\hbox to 2em{%
11531     \llap{\@thefnmark\hbox{.}\,.\,}\#1}

```

66 File graphicx-xetex-bidi.def

```

11532 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
11533 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11534   \Grot@setangle{#1}%
11535   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11536   \Grot@x\z@
11537   \Grot@y\z@
11538   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11539 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11540   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11541   \Grot@x\width \divide\Grot@x\tw@
11542   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11543   \setkeys{Grot}{#1}%
11544   \setbox\z@\box\@tempboxa
11545   \Grot@setangle{#2}%
11546   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11547   \@end@tempboxa}
11548 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11549   \leavevmode
11550   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11551   \setbox\z@\hbox{\#3}%
11552   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%

```



```

11553 \ifdim#2\p@<\z@
11554 \ht\tw@-#2\dp\z@
11555 \dp\tw@-#2\ht\z@
11556 \else
11557 \ht\tw@#2\ht\z@
11558 \dp\tw@#2\dp\z@
11559 \fi
11560 \ifdim#1\p@<\z@
11561 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11562 \else
11563 \wd\tw@#1\wd\z@
11564 \box\tw@
11565 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11566 \def\Gin@iii[#1,#2][#3,#4]#5{%
11567 \beginingroup
11568 \ifmmode\else\if@RTL\beginL\fi\fi
11569 \Gin@bboxtrue
11570 \Gin@defaultbp\Gin@llx{#1}%
11571 \Gin@defaultbp\Gin@lly{#2}%
11572 \Gin@defaultbp\Gin@urx{#3}%
11573 \Gin@defaultbp\Gin@ury{#4}%
11574 \Gin@include@graphics{#5}%
11575 \ifmmode\else\if@RTL\endL\fi\fi
11576 \endgroup}
11577 \def\Gin@ii[#1]#2{%
11578 \def\@tempa{[]}\def\@tempb{#2}%
11579 \ifx\@tempa\@tempb
11580 \def\@tempa{\Gin@iii[#1] []}%
11581 \expandafter\@tempa
11582 \else
11583 \beginingroup
11584 \ifmmode\else\if@RTL\beginL\fi\fi
11585 \@tempswafalse
11586 \toks@{\Gin@include@graphics{#2}}%
11587 \setkeys{Gin}{#1}%
11588 \Gin@esetsize
11589 \the\toks@
11590 \ifmmode\else\if@RTL\endL\fi\fi
11591 \endgroup
11592 \fi}
11593 \def\reflectbox{\bidiGscale@box-1[1]}
11594 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11595 \leavevmode
11596 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11597 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11598 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11599 \ifdim#2\p@<\z@
11600 \ht\tw@-#2\dp\z@
11601 \dp\tw@-#2\ht\z@
11602 \else

```




```

11603 \ht\tw@#2\ht\z@
11604 \dp\tw@#2\dp\z@
11605 \fi
11606 \ifdim#1\p@<\z@
11607 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@hss}%
11608 \else
11609 \wd\tw@#1\wd\z@
11610 \box\tw@
11611 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11612 \def\scalebox#1{%
11613 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
11614 \def\resizebox{%
11615 \leavevmode
11616 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11617 \def\bidiGscale@@box#1#2#3{%
11618 \let\@tempa\Gin@exclamation
11619 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11620 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11621 \ifx\@tempb\@tempa
11622 \ifx\@tempc\@tempa
11623 \toks@{\mbox}%
11624 \else
11625 \toks@{\bidiGscale@box@dd{#3}#1}%
11626 \fi
11627 \else
11628 \ifx\@tempc\@tempa
11629 \toks@{\bidiGscale@box@dd{#2}\width}%
11630 \else
11631 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11632 \fi
11633 \fi
11634 \the\toks@}
11635 \long\def\bidiGscale@box@dd#1#2#3{%
11636 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11637 \setlength\@tempdima{#1}%
11638 \setlength\@tempdimb{#2}%
11639 \Gscale@div\@tempa\@tempdima\@tempdimb
11640 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11641 \@end@tempboxa}
11642 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
11643 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11644 \setlength\@tempdima{#1}%
11645 \setlength\@tempdimb{#2}%
11646 \Gscale@div\@tempa\@tempdima\@tempdimb
11647 \setlength\@tempdima{#3}%
11648 \setlength\@tempdimb{#4}%
11649 \Gscale@div\@tempb\@tempdima\@tempdimb
11650 \ifGin@iso
11651 \ifdim\@tempa\p@>\@tempb\p@
11652 \let\@tempa\@tempb

```



```

11653     \else
11654         \let\@tempb\@tempa
11655     \fi
11656 \fi
11657 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11658 \end@tempboxa}

```

67 File geometry-xetex-bidi.def

```

11659 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
11660 \renewcommand*{\Gm@vrules@mpi}{%
11661 \if@RTLmain%
11662     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11663     \llap{\Gm@vrule}\ignorespaces
11664     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11665     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11666 \else%
11667 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11668 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11669 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11670 \renewcommand*{\Gm@vrules@mpii}{%
11671 \if@RTLmain%
11672 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11673 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11674 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11675 \else%
11676 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11677 \llap{\Gm@vrule}\ignorespaces
11678 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11679 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11680 \bidi@patchcmd{\Gm@pageframes}{%
11681 \ifodd\count\z@
11682 \let\@themargin\oddsidemargin
11683 \else
11684 \let\@themargin\evensidemargin
11685 \fi
11686 }{%
11687 \ifodd\count\z@
11688 \if@RTLmain
11689 \let\@themargin\evensidemargin
11690 \else
11691 \let\@themargin\oddsidemargin
11692 \fi
11693 \else
11694 \if@RTLmain
11695 \let\@themargin\oddsidemargin
11696 \else
11697 \let\@themargin\evensidemargin
11698 \fi
11699 \fi

```



```
11700 }{}{}
```

68 File hvfloat-xetex-bidi.def

```
11701 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11702 \def\do@hvFloat[#1]#2#3{%
11703 \def\hv@shortCap{#1}
11704 \def\hv@longCap{#2}
11705 \def\hv@label{#3}
11706 %\newcommand*{\hvFloat}[5][{}]{%
11707 % [#1]: keyvalues
11708 % #2: type figure | table | ...
11709 % #3: float contents
11710 % [#4]: short caption
11711 % #5: caption
11712 % #6: label
11713 % \setDefault%
11714 % \def\@tempa{#1}%
11715 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11716 \def\@tempa{90}%
11717 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11718 \else \setlength{\hvMaxCapWidth}{\linewidth}
11719 \fi
11720 %
11721 % First we save the object in \hvObjectBox
11722 %
11723 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11724 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11725 \else
11726 \savebox{\hvObjectBox}{%
11727 \rotatebox{\hvSet@objectAngle}{%
11728 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11729 \fi
11730 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11731 %
11732 % Now we save the caption with its defined \hvCapWidth
11733 %
11734 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11735 \else
11736 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11737 \else
11738 \setlength{\hvCapWidth}{\hvObjectWidth}
11739 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11740 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11741 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11742 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11743 \else
11744 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11745 \fi
11746 \fi
```



```

11747 \fi
11748 %
11749 % now we have the object and the caption with the right
11750 % rotated angles saved in boxes
11751 %
11752 \def\fps@figure{\hvSet@floatPos}
11753 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11754 \else \begin{\hv@floatType}% Start the floating environment
11755 \fi%
11756 \saveCaptionSkip% we put this space ourselves
11757 \ifx\hvSet@capAngle\hv@Width % need rotation?
11758 \sbox{\hvCaptionBox}{%
11759 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11760 \ifhv@nonFloat%
11761 \ifhv@onlyText#2%
11762 \else%
11763 \ifx\hv@floatType\hv@figure
11764 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
11765 \else
11766 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
11767 \fi
11768 \fi
11769 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
11770 \fi%
11771 \label{#3}%
11772 \end{minipage}%
11773 }%
11774 \else%
11775 \sbox{\hvCaptionBox}{%
11776 \rotatebox{\hvSet@capAngle}{%
11777 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11778 \ifhv@nonFloat%
11779 \ifhv@onlyText#2%
11780 \else%
11781 \ifx\hv@floatType\hv@figure
11782 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
11783 \else
11784 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
11785 \fi
11786 \fi
11787 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
11788 \fi%
11789 \label{#3}%
11790 \end{minipage}%
11791 }%
11792 }%
11793 \fi%
11794 %%
11795 \restoreCaptionSkip% save old values
11796 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%

```



```

11797 \else%
11798 \ifx\hvSet@objectPos\hv@Center
11799 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11800 \fi%
11801 \fi%
11802 %
11803 % to rotate object and caption together, we save all in another box
11804 % the caption comes first, if its on the left or the top
11805 %
11806 \savebox{\@tempboxa}{%
11807 \ifx\hvSet@capPos\hv@Left % caption on left side
11808 \if@RTL%
11809 \ifx\hvSet@capVPos\hv@Center%
11810 \ifhv@fbox
11811 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11812 \else
11813 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11814 \fi%
11815 \hspace{\hvSet@floatCapSep pt}%
11816 \ifhv@fbox
11817 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11818 \else
11819 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11820 \fi%
11821 \else%
11822 \ifx\hvSet@capVPos\hv@Top
11823 \ifhv@fbox
11824 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11825 \else
11826 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11827 \fi%
11828 \hspace{\hvSet@floatCapSep pt}%
11829 \ifhv@fbox
11830 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11831 \else
11832 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11833 \fi
11834 \else
11835 \ifhv@fbox
11836 \fbox{\usebox{\hvObjectBox}}%
11837 \else
11838 \usebox{\hvObjectBox}%
11839 \fi
11840 \hspace{\hvSet@floatCapSep pt}%
11841 \ifhv@fbox
11842 \fbox{\usebox{\hvCaptionBox}}%
11843 \else
11844 \usebox{\hvCaptionBox}%
11845 \fi%
11846 \fi%

```



```

11847 \fi%
11848 \else% not RTL
11849   \ifx\hvSet@capVPos\hv@Center%
11850     \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11851     \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11852     \fi%
11853     \hspace{\hvSet@floatCapSep pt}% capfloatsep
11854     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11855     \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11856     \fi%
11857 \else%
11858   \ifx\hvSet@capVPos\hv@Top % caption at top
11859     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11860     \else      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11861     \fi
11862     \hspace{\hvSet@floatCapSep pt}% capfloatsep
11863     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
11864     \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
11865     \fi%
11866   \else% caption on bottom
11867     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11868     \else\usebox{\hvCaptionBox}
11869     \fi%
11870     \hspace{\hvSet@floatCapSep pt}%
11871     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11872     \else      \usebox{\hvObjectBox}
11873     \fi%
11874   \fi%
11875 \fi% end of RTL
11876 \fi%
11877 \else
11878   \ifx\hvSet@capPos\hv@Top
11879     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11880     \begin{minipage}{\wd\hvCaptionBox}
11881     \else
11882     \begin{minipage}{\wd\hvObjectBox}
11883     \fi
11884   \centering
11885   \ifhv@fbox
11886   \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11887   \fbbox{\usebox{\hvObjectBox}}
11888   \else
11889   \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11890   \usebox{\hvObjectBox}
11891   \fi%
11892 \end{minipage}
11893 \else
11894   \ifx\hvSet@capPos\hv@Bottom
11895   \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11896   \begin{minipage}{\wd\hvCaptionBox}

```



```

11897 \else
11898 \begin{minipage}{\wd\hvObjectBox}
11899 \fi
11900 \centering
11901 \ifhv@fbox
11902 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11903 \fbox{\usebox{\hvCaptionBox}}
11904 \else
11905 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11906 \usebox{\hvCaptionBox}
11907 \fi%
11908 \end{minipage}
11909 \else% the last option: put the caption on the right
11910 \if@RTL%
11911 \ifx\hvSet@capVPos\hv@Center%
11912 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11913 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11914 \fi%
11915 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11916 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11917 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11918 \fi%
11919 \else%
11920 \ifx\hvSet@capVPos\hv@Top % caption at top
11921 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11922 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11923 \fi
11924 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11925 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
11926 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11927 \fi%
11928 \else% caption on bottom
11929 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
11930 \else\usebox{\hvCaptionBox}
11931 \fi%
11932 \hspace{\hvSet@floatCapSep pt}%
11933 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
11934 \else \usebox{\hvObjectBox}
11935 \fi%
11936 \fi%
11937 \fi%
11938 \else% not RTL
11939 \ifx\hvSet@capVPos\hv@Center%
11940 \ifhv@fbox
11941 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11942 \else
11943 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11944 \fi%
11945 \hspace{\hvSet@floatCapSep pt}%
11946 \ifhv@fbox

```



```

11947 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11948 \else
11949 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11950 \fi%
11951 \else%
11952 \ifx\hvSet@capVPos\hv@Top
11953 \ifhv@fbox
11954 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11955 \else
11956 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11957 \fi%
11958 \hspace{\hvSet@floatCapSep pt}%
11959 \ifhv@fbox
11960 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11961 \else
11962 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11963 \fi
11964 \else
11965 \ifhv@fbox
11966 \fbox{\usebox{\hvObjectBox}}%
11967 \else
11968 \usebox{\hvObjectBox}%
11969 \fi
11970 \hspace{\hvSet@floatCapSep pt}%
11971 \ifhv@fbox
11972 \fbox{\usebox{\hvCaptionBox}}%
11973 \else
11974 \usebox{\hvCaptionBox}%
11975 \fi%
11976 \fi%
11977 \fi
11978 \fi% end of RTL
11979 \fi
11980 \fi
11981 \fi
11982 }% End savebox Object and caption
11983 %
11984 % now we rotate the object and caption, if needed
11985 %
11986 \ifx\hvSet@rotAngle\hv@Zero
11987 \usebox{\@tempboxa}
11988 \else
11989 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11990 \fi
11991 \ifhv@nonFloat
11992 \ifx\hvSet@objectPos\hv@Center
11993 \ifhv@nonFloat
11994 \hspace{\fill}
11995 \fi
11996 \fi

```




```

11997 \endgroup% End the nonfloat part
11998 \else
11999 \end{\hv@floatType}% End the floating environment
12000 \fi
12001 }

```

69 File hyperref-xetex-bidi.def

```

12002 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
12003 \AtBeginDocument{%
12004 \def\contentsline#1#2#3#4{%
12005 \ifx\#4\%
12006 \csname l@#1\endcsname{#2}{#3}%
12007 \else
12008 \ifcase\Hy@linktoc % none
12009 \csname l@#1\endcsname{#2}{#3}%
12010 \or % section
12011 \csname l@#1\endcsname{%
12012 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12013 }{#3}%
12014 \or % page
12015 \csname l@#1\endcsname{#2}{#3}%
12016 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12017 }%
12018 \else % all
12019 \csname l@#1\endcsname{%
12020 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12021 }{#3}%
12022 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12023 }%
12024 \fi
12025 \fi
12026 }
12027 \ifHy@hyperfootnotes
12028 \let\H@@footnotetext\@footnotetext
12029 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12030 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12031 \def\@xfootnotenext[#1]{%
12032 \begingroup
12033 \csname c@\mpfn\endcsname #1\relax
12034 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12035 \endgroup
12036 \ifx\@footnotetext\@mpfootnotetext
12037 \expandafter\H@@mpfootnotetext
12038 \else
12039 \expandafter\H@@footnotetext
12040 \fi
12041 }%
12042 \def\@xRTLfootnotenext[#1]{%
12043 \begingroup

```



```

12044     \csname c@\@mpfn\endcsname #1\relax
12045     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12046   \endgroup
12047   \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12048     \expandafter\HRTL@\@mpRTLfootnotetext
12049   \else
12050     \expandafter\HRTL@\@RTLfootnotetext
12051   \fi
12052 }%
12053 \def\@xLTRfootnotenext[#1]{%
12054   \begingroup
12055     \csname c@\@mpfn\endcsname #1\relax
12056     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12057   \endgroup
12058   \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12059     \expandafter\HLTR@\@mpLTRfootnotetext
12060   \else
12061     \expandafter\HLTR@\@LTRfootnotetext
12062   \fi
12063 }%
12064 \def\@xfootnotemark[#1]{%
12065   \begingroup
12066     \c@footnote #1\relax
12067     \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12068   \endgroup
12069   \H@\@footnotemark
12070 }%
12071 \let\H@\@mpfootnotetext\@mpfootnotetext
12072 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
12073 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
12074 \long\def\@mpfootnotetext#1{%
12075   \H@\@mpfootnotetext{%
12076     \ifHy@nesting
12077       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12078     \else
12079       \Hy@raisedlink{%
12080         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12081       }#1%
12082     \fi
12083   }%
12084 }%
12085 \long\def\@mpRTLfootnotetext#1{%
12086   \HRTL@\@mpRTLfootnotetext{%
12087     \ifHy@nesting
12088       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12089     \else
12090       \Hy@raisedlink{%
12091         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12092       }#1%
12093     \fi

```



```

12094 }%
12095 }%
12096 \long\def\@mpLTrfootnotetext#1{%
12097 \HLTR@@mpLTrfootnotetext{%
12098 \ifHy@nesting
12099 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12100 \else
12101 \Hy@raisedlink{%
12102 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12103 }#1%
12104 \fi
12105 }%
12106 }%
12107 \long\def\@footnotetext#1{%
12108 \H@@@footnotetext{%
12109 \ifHy@nesting
12110 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12111 \else
12112 \Hy@raisedlink{%
12113 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12114 }%
12115 \let\@currentHlabel\Hy@footnote@currentHlabel
12116 \let\@currentHref\Hy@footnote@currentHref
12117 \let\@currentlabelname\@empty
12118 #1%
12119 \fi
12120 }%
12121 }%
12122 \long\def\@RTLfootnotetext#1{%
12123 \HRTL@@RTLfootnotetext{%
12124 \ifHy@nesting
12125 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12126 \else
12127 \Hy@raisedlink{%
12128 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12129 }%
12130 \let\@currentHlabel\Hy@footnote@currentHlabel
12131 \let\@currentHref\Hy@footnote@currentHref
12132 \let\@currentlabelname\@empty
12133 #1%
12134 \fi
12135 }%
12136 }%
12137 \long\def\@LTrfootnotetext#1{%
12138 \HLTR@@LTrfootnotetext{%
12139 \ifHy@nesting
12140 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12141 \else
12142 \Hy@raisedlink{%
12143 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%

```



```

12144     }%
12145     \let\@currentHlabel\Hy@footnote@currentHlabel
12146     \let\@currentHref\Hy@footnote@currentHref
12147     \let\@currentlabelname\@empty
12148     #1%
12149     \fi
12150   }%
12151 }%
12152 \@ifpackageloaded{tabularx}{%
12153   \let\HyOrg@TX@endtabularx\TX@endtabularx
12154   \def\Hy@tabularx@hook{%
12155     \let\@footnotetext\H@@footnotetext
12156     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12157     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12158     \let\@footnotemark\H@@footnotemark
12159     \let\@mpfootnotetext\H@@mpfootnotetext
12160     \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12161     \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12162   }%
12163   \begingroup
12164     \toks@\expandafter{\TX@endtabularx}%
12165     \xdef\Hy@gtemp{%
12166       \noexpand\Hy@tabularx@hook
12167       \the\toks@
12168     }%
12169   \endgroup
12170   \let\TX@endtabularx\Hy@gtemp
12171 }{}%
12172 \@ifpackageloaded{longtable}{%
12173   \CheckCommand*{\LT@p@LTRftntext}[1]{%
12174     \edef\@tempa{%
12175       \the\LT@p@ftn
12176       \noexpand\LTRfootnotetext[\the\c@footnote]%
12177     }%
12178     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12179   }%
12180   \long\def\LT@p@LTRftntext#1{%
12181     \edef\@tempa{%
12182       \the\LT@p@ftn
12183       \begingroup
12184         \noexpand\c@footnote=\the\c@footnote\relax
12185         \noexpand\protected\xdef\noexpand\@thefnmark{%
12186           \noexpand\thempfn
12187         }%
12188         \noexpand\Hy@LT@LTRfootnotetext{%
12189           \Hy@footnote@currentHref
12190         }%
12191       }%
12192       \global\LT@p@ftn\expandafter{%
12193         \@tempa{#1}%

```



```

12194     \endgroup
12195   }%
12196 }%
12197 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12198   \HLTR@@LTRfootnotetext{%
12199     \ifHy@nesting
12200       \hyper@@anchor{#1}{#2}%
12201     \else
12202       \Hy@raisedlink{%
12203         \hyper@@anchor{#1}{\relax}%
12204       }%
12205       \def\@currentHref{#1}%
12206       \let\@currentlabelname\@empty
12207       #2%
12208     \fi
12209   }%
12210 }%
12211 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12212   \edef\@tempa{%
12213     \the\LT@p@ftn
12214     \noexpand\RTLfootnotetext[\the\c@footnote]%
12215   }%
12216   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12217 }%
12218 \long\def\LT@p@RTLftntext#1{%
12219   \edef\@tempa{%
12220     \the\LT@p@ftn
12221     \begingroup
12222       \noexpand\c@footnote=\the\c@footnote\relax
12223       \noexpand\protected@xdef\noexpand\@thefnmark{%
12224         \noexpand\thempfn
12225       }%
12226       \noexpand\Hy@LT@RTLfootnotetext{%
12227         \Hy@footnote@currentHref
12228       }%
12229     }%
12230     \global\LT@p@ftn\expandafter{%
12231       \@tempa{#1}%
12232     }%
12233   }%
12234 }%
12235 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12236   \HRTL@@RTLfootnotetext{%
12237     \ifHy@nesting
12238       \hyper@@anchor{#1}{#2}%
12239     \else
12240       \Hy@raisedlink{%
12241         \hyper@@anchor{#1}{\relax}%
12242       }%
12243       \def\@currentHref{#1}%

```



```

12244         \let\@currentlabelname\@empty
12245         #2%
12246     \fi
12247 }%
12248 }%
12249 }{}%
12250 \ifpackageloaded{bidipoem}{%
12251 \long\def\bidipoem@p@ftntext#1{%
12252     \edef\@tempxi{%
12253         \the\bidipoem@p@ftn
12254         \beginngroup
12255             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12256             \noexpand\protected@xdef\noexpand\@thefnmark{%
12257                 \noexpand\thempfn
12258             }%
12259             \noexpand\Hy@bidipoem@footnotetext{%
12260                 \Hy@footnote@currentHref
12261             }%
12262         }%
12263         \global\bidipoem@p@ftn\expandafter{%
12264             \@tempxi{#1}%
12265         \endgroup
12266     }%
12267 }%
12268 \long\def\Hy@bidipoem@footnotetext#1#2{%
12269     \H@@footnotetext{%
12270         \ifHy@nesting
12271             \hyper@@anchor{#1}{#2}%
12272         \else
12273             \Hy@raisedlink{%
12274                 \hyper@@anchor{#1}{\relax}%
12275             }%
12276             \def\@currentHref{#1}%
12277             \let\@currentlabelname\@empty
12278             #2%
12279         \fi
12280     }%
12281 }%
12282 \long\def\bidipoem@p@LTRftntext#1{%
12283     \edef\@tempxi{%
12284         \the\bidipoem@p@ftn
12285         \beginngroup
12286             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12287             \noexpand\protected@xdef\noexpand\@thefnmark{%
12288                 \noexpand\thempfn
12289             }%
12290             \noexpand\Hy@bidipoem@LTRfootnotetext{%
12291                 \Hy@footnote@currentHref
12292             }%
12293         }%

```



```

12294 \global\bidipoem@p@ftn\expandafter{%
12295 \@tempxi{#1}%
12296 \endgroup
12297 }%
12298 }%
12299 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12300 \HLTR@@LTRfootnotetext{%
12301 \ifHy@nesting
12302 \hyper@@anchor{#1}{#2}%
12303 \else
12304 \Hy@raisedlink{%
12305 \hyper@@anchor{#1}{\relax}%
12306 }%
12307 \def\@currentHref{#1}%
12308 \let\@currentlabelname\@empty
12309 #2%
12310 \fi
12311 }%
12312 }%
12313 \long\def\bidipoem@p@RTLftntext#1{%
12314 \edef\@tempxi{%
12315 \the\bidipoem@p@ftn
12316 \begingroup
12317 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12318 \noexpand\protected@xdef\noexpand\@thefnmark{%
12319 \noexpand\thempfn
12320 }%
12321 \noexpand\Hy@bidipoem@RTLfootnotetext{%
12322 \Hy@footnote@currentHref
12323 }%
12324 }%
12325 \global\bidipoem@p@ftn\expandafter{%
12326 \@tempxi{#1}%
12327 \endgroup
12328 }%
12329 }%
12330 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12331 \HRTL@@RTLfootnotetext{%
12332 \ifHy@nesting
12333 \hyper@@anchor{#1}{#2}%
12334 \else
12335 \Hy@raisedlink{%
12336 \hyper@@anchor{#1}{\relax}%
12337 }%
12338 \def\@currentHref{#1}%
12339 \let\@currentlabelname\@empty
12340 #2%
12341 \fi
12342 }%
12343 }%

```



```

12344 }{}%
12345 \let\HyOrg@maketitle\maketitle
12346 \def\maketitle{%
12347   \let\Hy@saved@footnotemark\@footnotemark
12348   \let\Hy@saved@footnotetext\@footnotetext
12349   \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12350   \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12351   \let\@footnotemark\H@@footnotemark
12352   \let\@footnotetext\H@@footnotetext
12353   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12354   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12355   \@ifnextchar[\Hy@maketitle@optarg{% ]
12356   \HyOrg@maketitle
12357   \Hy@maketitle@end
12358 }%
12359 }%
12360 \def\Hy@maketitle@optarg[#1]{%
12361   \HyOrg@maketitle[#{#1}]%
12362   \Hy@maketitle@end
12363 }%
12364 \def\Hy@maketitle@end{%
12365   \ifx\@footnotemark\H@@footnotemark
12366     \let\@footnotemark\Hy@saved@footnotemark
12367   \fi
12368   \ifx\@footnotetext\H@@footnotetext
12369     \let\@footnotetext\Hy@saved@footnotetext
12370   \fi
12371   \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12372     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12373   \fi
12374   \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12375     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12376   \fi
12377 }%
12378 \def\realfootnote{%
12379   \@ifnextchar[\@xfootnote{%
12380     \stepcounter{\@mpfn}%
12381     \protected@xdef\@thefnmark{\thempfn}%
12382     \H@@footnotemark\H@@footnotetext
12383   }%
12384 }%
12385 \fi
12386 \def\Hy@BeginAnnot#1{%
12387   \ifmmode\else\beginL\fi%
12388   \global\advance\c@Hy@AnnotLevel\@ne
12389   \ifnum\c@Hy@AnnotLevel=\@ne
12390     #1%
12391   \fi
12392 }
12393 \def\Hy@EndAnnot{%

```




```

12394 \ifnum\c@Hy@AnnotLevel=\@ne
12395 \Hy@endcolorlink
12396 \@pdfmark{eann}%
12397 \fi
12398 \global\advance\c@Hy@AnnotLevel\m@ne
12399 \ifmmode\else\endL\fi%
12400 }
12401 \def\hyper@link#1#2#3{%
12402 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
12403 }
12404 \def\hyper@linkfile#1#2#3{%
12405 \leavevmode
12406 \Hy@BeginAnnot{%
12407 \def\Hy@pstringF{#2}%
12408 \Hy@CleanupFile\Hy@pstringF
12409 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12410 \Hy@pstringdef\Hy@pstringD{#3}%
12411 \Hy@MakeRemoteAction
12412 \@pdfmark{%
12413 bann<<%
12414 /Type/Annot%
12415 /Subtype/Link%
12416 \ifHy@pdfa /F 4\fi
12417 \Hy@setpdfborder
12418 \ifx\@filebordercolor\relax
12419 \else
12420 /C[\@filebordercolor]%
12421 \fi
12422 /A<<%
12423 /S/GoToR%
12424 /F(\Hy@pstringF)%
12425 /D%
12426 \ifx\#3\%
12427 [\Hy@href@page\@pdfremotestartview]%
12428 \else
12429 (\Hy@pstringD)%
12430 \fi
12431 \Hy@SetNewWindow
12432 \Hy@href@nextactionraw
12433 >>%
12434 >>%
12435 }%
12436 \Hy@colorlink\@filecolor
12437 }%
12438 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12439 \Hy@endAnnot
12440 }
12441 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12442 \leavevmode
12443 \Hy@BeginAnnot{%

```



```

12444 \Hy@pstringdef\Hy@pstringF{#1}%
12445 \Hy@pstringdef\Hy@pstringP{#3}%
12446 \@pdfm@mark{%
12447   bann<<%
12448     /Type/Annot%
12449     /Subtype/Link%
12450     \ifHy@pdfa /F 4\fi
12451     \Hy@setpdfborder
12452     \ifx\@runbordercolor\relax
12453     \else
12454       /C[\@runbordercolor]%
12455     \fi
12456     /A<<%
12457       /F(\Hy@pstringF)%
12458       /S/Launch%
12459       \Hy@SetNewWindow
12460       \ifx\#3\%
12461       \else
12462         /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12463       \fi
12464       \Hy@href@nextactionraw
12465     >>%
12466   >>%
12467   }%
12468   \Hy@colorlink\@runcolor
12469 }%
12470 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12471 \Hy@EndAnnot
12472 }
12473 \def\hyper@linkurl#1#2{%
12474   \leavevmode
12475   \Hy@BeginAnnot{%
12476     \Hy@pstringdef\Hy@pstringURI{#2}%
12477     \@pdfm@mark{%
12478       bann<<%
12479         /Type/Annot%
12480         /Subtype/Link%
12481         \ifHy@pdfa /F 4\fi
12482         \Hy@setpdfborder
12483         \ifx\@urlbordercolor\relax
12484         \else
12485           /C[\@urlbordercolor]%
12486         \fi
12487         /A<<%
12488           /S/URI%
12489           /URI(\Hy@pstringURI)%
12490           \ifHy@href@ismap
12491           /IsMap true%
12492         \fi
12493         \Hy@href@nextactionraw

```



```

12494     >>%
12495     >>%
12496     }%
12497     \Hy@colorlink\@urlcolor
12498 }%
12499 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12500 \Hy@endAnnot
12501 }
12502 \def\Acrobatmenu#1#2{%
12503   \Hy@Acrobatmenu{#1}{#2}{%
12504     \Hy@BeginAnnot{%
12505       \EdefEscapeName\Hy@temp@menu{#1}%
12506       \@pdfm@mark{%
12507         bann<<%
12508         /Type/Annot%
12509         /Subtype/Link%
12510         \ifHy@pdfa /F 4\fi
12511         \Hy@setpdfborder
12512         \ifx\@menubordercolor\relax
12513           \else
12514             /C[\@menubordercolor]%
12515           \fi
12516           /A<<%
12517           /S/Named%
12518           /N/\Hy@temp@menu
12519           \Hy@href@nextactionraw
12520         >>%
12521         >>%
12522       }%
12523       \Hy@colorlink\@menucolor
12524     }%
12525     \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12526     \Hy@endAnnot
12527   }%
12528 }
12529 \def\hyper@natlinkstart#1{%
12530   \Hy@backout{#1}%
12531   \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12532   \def\hyper@nat@current{#1}%
12533 }
12534 \def\hyper@natlinkend{%
12535   \if@RTL\endR\fi\hyper@linkend
12536 }
12537 \def\hyper@natlinkbreak#1#2{%
12538   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12539 }%
12540 }
12541 \pdfstringdefDisableCommands{%
12542   \let\LRE\@firstofone
12543   \let\LR\@firstofone

```



```

12544 \let\RLE\@firstofone
12545 \let\RL\@firstofone
12546 \def\XeTeX{Xe\TeX}
12547 \def\XeLaTeX{Xe\LaTeX}
12548 }
12549 \ifpackageloaded{longtable}{%
12550   \begingroup
12551     \def\y{\LT@array}%
12552     \ifundefined{scr@LT@array}{%
12553       \ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12554     }\def\y{\scr@LT@array}%
12555     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12556       \expandafter\endgroup
12557       \expandafter\def\y[##1]##2{%
12558         \H@refstepcounter{#1}%
12559         \hyper@makecurrent{table}%
12560         \let\Hy@LT@currentHref\@currentHref
12561         #2\@sharp####4%
12562       }%
12563     }%
12564     \expandafter\expandafter\expandafter\x\y[##1][##2]\@nil
12565   \begingroup
12566     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12567       \endgroup
12568       \def\LT@start{%
12569         #1%
12570         \ifvoid\LT@foot#2\fi
12571         \let\@currentHref\Hy@LT@currentHref
12572         \Hy@raisedlink{%
12573           \hyper@anchorstart{\@currentHref}\hyper@anchorend
12574         }%
12575         #3%
12576       }%
12577     }%
12578     \expandafter\x\LT@start\@nil
12579 }{}

```

70 File `imsproc-xetex-bidi.def`

```

12580 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for ]
12581 \newenvironment{thebibliography}[1]{%
12582   \@bibtitlestyle
12583   \normalfont\bibliofont\labelsep .5em\relax
12584   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12585   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
12586   \bidi@@thebibliography@font@hook
12587   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12588     \leftmargin\labelwidth \advance\leftmargin\labelsep
12589     \usecounter{enumiv}}%
12590   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty

```



```

12591 \sfcode`\.=\@m
12592 }{%
12593 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12594 \endlist
12595 }
12596
12597 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12598 \columnseprule\z@ \columnsep 35\p@
12599 \@indextitlestyle
12600 \thispagestyle{plain}%
12601 \let\item\@idxitem
12602 \parindent\z@ \parskip\z@\@plus.3\p@\relax
12603 \if@RTL\raggedleft\else\raggedright\fi
12604 \hyphenpenalty\@M
12605 \footnotesize}
12606 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12607 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12608 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12609
12610 \def\right@footnoterule{%
12611 \kern-.4\p@
12612 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12613 \kern11\p@\kern-\footnotesep}
12614 \def\left@footnoterule{\kern-.4\p@
12615 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12616 \def\@makefnmark{%
12617 \leavevmode
12618 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12619 }
12620
12621 \def\part{\@startsection{part}{0}%
12622 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
12623 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12624 \def\@tocline#1#2#3#4#5#6#7{\relax
12625 \ifnum #1>\c@tocdepth % then omit
12626 \else
12627 \par \addpenalty\@secpenalty\addvspace{#2}%
12628 \begingroup \hyphenpenalty\@M
12629 \@ifempty{#4}{%
12630 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12631 }{%
12632 \@tempdima#4\relax
12633 }%
12634 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
12635 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12636 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12637 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12638 \nobreak
12639 \endgroup
12640 \fi}

```



```

12641 \renewcommand\thesubsection    {\thesection\@SepMark\arabic{subsection}}
12642 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12643 \renewcommand\theparagraph     {\thesubsubsection\@SepMark\arabic{paragraph}}
12644 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12645 \def\maketitle{\par
12646   \@topnum\z@ % this prevents figures from falling at the top of page 1
12647   \@setcopyright
12648   \thispagestyle{firstpage}% this sets first page specifications
12649   \uppercasenonmath\shorttitle
12650   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12651   \else \andify\shortauthors
12652   \fi
12653   \@maketitle@hook
12654   \begingroup
12655   \@maketitle
12656   \toks@{\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}}%
12657   \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
12658   \edef\@tempa{%
12659     \@nx\markboth{\the\toks4
12660       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12661   \@tempa
12662   \endgroup
12663   \c@footnote\z@
12664   \@cleartopmattertags
12665 }

```

71 File legno-xetex-bidi.def

```

12666 \ProvidesFile{legno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for legno tag for XeTeX e
12667 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12668 \rlap{\hskip -\displaywidth
12669 \normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

```

72 File letter-xetex-bidi.def

```

12670 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
12671 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
12672   \thispagestyle{firstpage}%
12673   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12674 \else % home address
12675   \thispagestyle{empty}%
12676   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12677     \fromaddress \*[2\parskip]%
12678     \@date \end{tabular}\par}%
12679 \fi
12680 \vspace{2\parskip}%
12681 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
12682 \vspace{2\parskip}%
12683 #1\par\nobreak}
12684 \renewcommand\left@footnoterule{%

```



```

12685 \kern-\p@
12686 \hrule \@width .4\columnwidth
12687 \kern .6\p@}
12688 \renewcommand\right@footnoterule{%
12689 \kern-\p@
12690 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12691 \kern .6\p@}

```

73 File lettrine-xetex-bidi.def

```

12692 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package]
12693 \def\@lettrine[#1]#2#3{%
12694 \setcounter{L@lines}{\theDefaultLines}%
12695 \setcounter{L@depth}{\theDefaultDepth}%
12696 \renewcommand*{\L@hang}{\DefaultLhang}%
12697 \renewcommand*{\L@oversize}{\DefaultLoversize}%
12698 \renewcommand*{\L@raise}{\DefaultLraise}%
12699 \renewcommand*{\L@ante}{}%
12700 \setlength{\L@Findent}{\DefaultFindent}%
12701 \setlength{\L@Nindent}{\DefaultNindent}%
12702 \setlength{\L@slope}{\DefaultSlope}%
12703 \setlength{\L@novskip}{\DiscardVskip}%
12704 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12705 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12706 \if\DefaultOptionsFile\relax
12707 \else
12708 \begingroup
12709 \InputIfFileExists{\DefaultOptionsFile}%
12710 {}%
12711 {\PackageWarning{lettrine.sty}%
12712 {File \DefaultOptionsFile\space not found}%
12713 }%
12714 \def\color##1##{\l@color{##1}}%
12715 \let\l@color\@gobbletwo
12716 \def\textcolor##1##{\l@textcolor{##1}}%
12717 \def\l@textcolor##1##2##3{##3}%
12718 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12719 \gdef\l@LOKeys{%
12720 \else
12721 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12722 \fi
12723 \endgroup
12724 \def\KV@prefix{KV@L@}%
12725 \let\@tempc\relax
12726 \expandafter\KV@do\l@LOKeys,\relax,
12727 \sbox{\L@lbox}{\LettrineFont #2}%
12728 \setlength{\LettrineWidth}{\wd\L@lbox}%
12729 \def\KV@prefix{KV@L@}%
12730 \let\@tempc\relax
12731 \expandafter\KV@do\l@LOKeys,\relax,

```



```

12732 \fi
12733 \setkeys{L}{#1}%
12734 \ifL@image
12735   \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12736 \else
12737   \sbox{\L@lbox}{\LettrineFont #2}%
12738 \fi
12739 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12740 \@tempdima=\baselineskip
12741 \ifnum\theL@lines=1
12742   \setlength{\L@first}{\ht\L@lbox}%
12743   \addtolength{\L@first}{-\ht\L@tbox}%
12744   \setlength{\L@lraise}{\z@}%
12745 \else
12746   \setlength{\L@first}{-\theL@lines\@tempdima}%
12747   \addtolength{\L@first}{\@tempdima}%
12748   \sbox{\@tempboxa}{\LettrineTextFont x}%
12749   \addtolength{\L@first}{-\ht\@tempboxa}%
12750   \setlength{\L@lraise}{-\L@raise\L@first}%
12751   \addtolength{\L@first}{\L@lraise}%
12752   \addtolength{\L@first}{\ht\L@lbox}%
12753   \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12754   \addtolength{\L@lraise}{\@tempdima}%
12755 \fi
12756 \par
12757 \ifdim\L@first>\L@novskip
12758   \ifL@grid
12759     \@tempdima=\baselineskip
12760     \@tempdimb=\@tempdima
12761     \advance\@tempdimb by \L@novskip
12762     \@tempcnta=1
12763     \loop\ifdim\L@first>\@tempdimb
12764       \advance\@tempcnta by 1
12765       \advance\L@first by -\@tempdima
12766     \repeat
12767     \vskip\@tempcnta\baselineskip
12768   \else
12769     \vskip\L@first
12770   \fi
12771 \fi
12772 \setlength{\L@Pindent}{\wd\L@lbox}%
12773 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12774 \settowidth{\L@first}{\L@ante}%
12775 \addtolength{\L@Pindent}{\L@first}%
12776 \addtolength{\L@Pindent}{\L@Findent}%
12777 \setlength{\L@first}{\linewidth}%
12778 \addtolength{\L@first}{-\L@Pindent}%
12779 \addtolength{\L@Nindent}{\L@Pindent}%
12780 \setlength{\L@next}{\linewidth}%
12781 \addtolength{\L@next}{-\L@Nindent}%

```




```

12782 \addtolength{\L@Pindent}{\rightmargin}%
12783 \addtolength{\L@Nindent}{\rightmargin}%
12784 \setlength{\LettrineWidth}{\wd\L@lbox}%
12785 \setlength{\LettrineHeight}{\ht\L@lbox}%
12786 \setlength{\LettrineDepth}{\dp\L@lbox}%
12787 \addtocounter{L@lines}{1}%
12788 \addtocounter{L@lines}{\the\c@L@depth}%
12789 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
12790 \@tempcnta=\tw@
12791 \@whilenum \@tempcnta<\c@L@lines\do{%
12792   \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \t
12793   \addtolength{\L@Nindent}{\L@slope}%
12794   \addtolength{\L@next}{-\L@slope}%
12795   \advance\@tempcnta\@ne}%
12796 \ifRTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \t
12797 \noindent
12798 \parshape=\L@parshape\relax
12799 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12800   \hskip \the\L@Findent}}%
12801 \usebox{\L@tbox}%
12802 }

```

74 File listings-xetex-bidi.def

```

12803 \ProvidesFile{listings-xetex-bidi.def}[2017/01/14 v1.4 bidi adaptations for listings package]
12804 \lst@Key{captiondirection}{textdirection}{%
12805   \lstKV@SwitchCases{#1}%
12806   {textdirection&\\%
12807     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12808     LTR&\chardef\bidi@lst@caption@direction\z@%
12809   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12810
12811 \lst@Key{captionscript}{textscript}{%
12812   \lstKV@SwitchCases{#1}%
12813   {textscript&\\%
12814     latin&\chardef\bidi@lst@caption@script\@ne\\%
12815     nonlatin&\chardef\bidi@lst@caption@script\z@%
12816   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12817
12818 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12819   \@ifundefined{bidi@lst@caption@direction}{\z@}{%
12820     \ifnum\bidi@lst@caption@direction=\z@%
12821       #1%
12822     \else%
12823       \ifnum\bidi@lst@caption@direction=\@ne%
12824         #2%
12825       \fi%
12826     \fi%
12827   }}
12828

```



```

12829 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
12830   \ifundefined{bidi@lst@caption@script}{}%
12831   \ifnum\bidi@lst@caption@script=z0%
12832     #1%
12833   \else%
12834     \ifnum\bidi@lst@caption@script=@ne%
12835       #2%
12836     \fi%
12837   \fi%
12838 }}
12839
12840 \long\def\bidi@lst@makecaption#1#2{%
12841   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12842   \vskip\abovecaptionskip
12843   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12844   \sbox\@tempboxa{%
12845     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12846     #1: #2%
12847     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12848   }%
12849   \ifdim \wd\@tempboxa >\hsize
12850     #1: #2\par
12851   \else
12852     \global \@minipagefalse
12853     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12854   \fi
12855   \vskip\belowcaptionskip}%
12856 \def\lst@makecaption{\@bidi@lst@makecaption}
12857 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12858 \bidi@AtEndPreamble{%
12859 \bidi@patchcmd{\lst@MakeCaption}{%
12860   \ifx #1%
12861     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12862       \expandafter\refstepcounter
12863     \fi {lstlisting}%
12864 }{%
12865   \ifx #1%
12866     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12867     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12868       \expandafter\refstepcounter
12869     \fi {lstlisting}%
12870     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12871 }{}}%
12872 \bidi@patchcmd{\lst@MakeCaption}{%
12873   \addcontentsline{lol}{lstlisting}%
12874   {\protect\numberline{\thelstlisting}\lst@caption}%
12875 }{%
12876 \begingroup%
12877   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12878   \addcontentsline{lol}{lstlisting}%

```



```

12879             {\protect\numberline{\thelstlisting}\lst@caption}%
12880 \endgroup%
12881 }{}{}%
12882 }
12883 \@ifpackageloaded{caption}{%
12884   \AtBeginCaption{%
12885     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12886     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12887   }
12888   \let\@bidi@lst@makecaption\caption@makecaption%
12889   \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
12890   \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
12891 }{}%
12892 \AtBeginDocument{%
12893   \@ifundefined{captionlabelfalse}{}{}%
12894   \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
12895 \@ifundefined{captionstartrue}{}{}%
12896 \def\lst@maketitle{\captionstartrue\@bidi@lst@makecaption\@empty}}%
12897 }%
12898 }
12899 \AtBeginDocument{
12900   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
12901   \lst@ifnumberbychapter
12902     \gdef\thelstlisting%
12903       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12904   \else
12905     \gdef\thelstlisting{\@arabic\c@lstlisting}
12906   \fi}

```

75 File loadingorder-xetex-bidi.def

```

12907 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
12908 \bidi@isloaded{amsmath}
12909 \bidi@isloaded{amstext}
12910 \bidi@isloaded{amsthm}
12911 \bidi@isloaded{animate}
12912 \bidi@isloaded{breqn}
12913 \bidi@isloaded{cals}
12914 \bidi@isloaded{caption}
12915 \bidi@isloaded{crop}
12916 \bidi@isloaded{cuted}
12917 \bidi@isloaded{cutwin}
12918 \bidi@isloaded{color}
12919 \bidi@isloaded{dblfnote}
12920 \bidi@isloaded{diagbox}
12921 \bidi@isloaded{xcolor}
12922 \bidi@isloaded{colortbl}
12923 \bidi@isloaded{float}
12924 \bidi@isloaded{floatrow}
12925 \bidi@isloaded{flowfram}

```



```

12926 \bidi@isloaded{framed}
12927 \bidi@isloaded{ftnright}
12928 \bidi@isloaded{xltextra}
12929 \bidi@isloaded{xunicode}
12930 \bidi@isloaded{wrapfig}
12931 \bidi@isloaded{graphicx}
12932 \bidi@isloaded{geometry}
12933 \bidi@isloaded{hvfloat}
12934 \bidi@isloaded{mdframed}
12935 \bidi@isloaded{midfloat}
12936 \bidi@isloaded{ntheorem}
12937 \bidi@isloaded{ntheorem-hyper}
12938 \bidi@isloaded{hyperref}
12939 \bidi@isloaded{fancybox}
12940 \bidi@isloaded{fancyhdr}
12941 \bidi@isloaded{fix2col}
12942 \bidi@isloaded{draftwatermark}
12943 \bidi@isloaded{empheq}
12944 \bidi@isloaded{overpic}
12945 \bidi@isloaded{pdfpages}
12946 \bidi@isloaded{listings}
12947 \bidi@isloaded{lettrine}
12948 \bidi@isloaded{media9}
12949 \bidi@isloaded{pstricks}
12950 \bidi@isloaded{pgf}
12951 \bidi@isloaded{picinpar}
12952 \bidi@isloaded{quotchap}
12953 \bidi@isloaded{tikz}
12954 \bidi@isloaded{titlesec}
12955 \bidi@isloaded{titletoc}
12956 \bidi@isloaded{array}
12957 \bidi@isloaded{soul}
12958 \bidi@isloaded{stabular}
12959 \bidi@isloaded{subfig}
12960 \bidi@isloaded{subfigure}
12961 \bidi@isloaded{supertabular}
12962 \bidi@isloaded{xtab}
12963 \bidi@isloaded{longtable}
12964 \bidi@isloaded{arydshln}
12965 \bidi@isloaded{multicol}
12966 \bidi@isloaded{multienum}
12967 \bidi@isloaded{minitoc}
12968 \bidi@isloaded{natbib}
12969 \bidi@isloaded{newfloat}
12970 \bidi@isloaded{ragged2e}
12971 \bidi@isloaded{rotating}
12972 \bidi@isloaded{tbls}
12973 \bidi@isloaded{tabulary}
12974 \bidi@isloaded{tocbasic}
12975 \bidi@isloaded{tocstyle}

```



```

12976 \bidi@isloaded{tocbibind}
12977 \bidi@isloaded{fontspec}
12978 \bidi@isloaded{arabxetex}
12979 \bidi@isloaded{polyglossia}
12980 \bidi@isloaded{fancyvrb}
12981 \AtBeginDocument{
12982   \if@bidi@amsmathloaded@ \else
12983     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
12984   \fi%
12985   \if@bidi@amstextloaded@ \else
12986     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
12987   \fi%
12988   \if@bidi@amsthmloaded@ \else
12989     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}{}]
12990   \fi%
12991   \if@bidi@animateloaded@ \else
12992     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}{}]
12993   \fi%
12994   \if@bidi@breqnloaded@ \else
12995     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package}{}]
12996   \fi%
12997   \if@bidi@calsloaded@ \else
12998     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package}{}]
12999   \fi%
13000   \if@bidi@captionloaded@ \else
13001     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package}{}]
13002   \fi%
13003   \if@bidi@croploaded@ \else
13004     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package}{}]
13005   \fi%
13006   \if@bidi@colorloaded@ \else
13007     \ifpackageloaded{hyperref}{}{}
13008     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package}{}]
13009   \fi%
13010   \if@bidi@cutwinloaded@ \else
13011     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package}{}]
13012   \fi%
13013   \if@bidi@cutedloaded@ \else
13014     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package}{}]
13015   \fi%
13016   \if@bidi@dblfnoteloaded@ \else
13017     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package}{}]
13018   \fi%
13019   \if@bidi@diagboxloaded@ \else
13020     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package}{}]
13021   \fi%
13022   \if@bidi@xcolorloaded@ \else
13023     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package}{}]
13024   \fi%
13025   \if@bidi@colortblloaded@ \else

```



```

13026 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi packa
13027 \fi%
13028 \if@bidi@floatloaded@else
13029 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package
13030 \fi%
13031 \if@bidi@floatrowloaded@else
13032 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi packa
13033 \fi%
13034 \if@bidi@flowframloaded@else
13035 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi packa
13036 \fi%
13037 \if@bidi@framedloaded@else
13038 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package
13039 \fi%
13040 \if@bidi@ftnrightloaded@else
13041 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi packa
13042 \fi%
13043 \if@bidi@xltxtraloaded@else
13044 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi packa
13045 \fi%
13046 \if@bidi@xunicodeloaded@else
13047 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13048 \fi%
13049 \if@bidi@wrapfigloaded@else
13050 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packa
13051 \fi%
13052 \if@bidi@graphicxloaded@else
13053 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13054 \fi%
13055 \if@bidi@geometryloaded@else
13056 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13057 \fi%
13058 \if@bidi@hvfloatloaded@else
13059 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packa
13060 \fi%
13061 \if@bidi@mdframedloaded@else
13062 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13063 \fi%
13064 \if@bidi@midfloatloaded@else
13065 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13066 \fi%
13067 \if@bidi@ntheoremloaded@else
13068 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13069 \fi%
13070 \if@bidi@hyperrefloaded@else
13071 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13072 \fi%
13073 \if@bidi@fancyboxloaded@else
13074 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13075 \fi%

```



```

13076 \if@bidi@fancyhdrloaded@else
13077   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13078 \fi%
13079 \if@bidi@draftwatermarkloaded@else
13080   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi
13081 \fi%
13082 \if@bidi@empheqloaded@else
13083   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13084 \fi%
13085   \if@bidi@overpicloaded@else
13086     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packa
13087 \fi%
13088 \if@bidi@pdfpagesloaded@else
13089   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13090 \fi%
13091 \if@bidi@lettrineloaded@else
13092   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa
13093 \fi%
13094 \if@bidi@listingsloaded@else
13095   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi packa
13096 \fi%
13097 \csname if@bidi@media9loaded@endcsname\else
13098   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package
13099 \fi%
13100 \if@bidi@pstricksloaded@else
13101   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi packa
13102 \fi%
13103 \if@bidi@pgfloaded@else
13104   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13105 \fi%
13106 \if@bidi@picinparloaded@else
13107   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi packa
13108 \fi%
13109 \if@bidi@quotchaploaded@else
13110   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi packa
13111 \fi%
13112 \if@bidi@tikzloaded@else
13113   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
13114 \fi%
13115 \if@bidi@titlesecloaded@else
13116   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi packa
13117 \fi%
13118 \if@bidi@titletocloaded@else
13119   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi packa
13120 \fi%
13121 \if@bidi@arrayloaded@else
13122   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package
13123 \fi%
13124 \if@bidi@stabularloaded@else
13125   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi packa

```



```

13126 \fi%
13127 \if@bidi@soulloaded@else
13128 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13129 \fi%
13130 \if@bidi@subfigloaded@else
13131 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package.
13132 \fi%
13133 \if@bidi@subfigureloaded@else
13134 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13135 \fi%
13136 \if@bidi@supertabularloaded@else
13137 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13138 \fi%
13139 \if@bidi@xtabloaded@else
13140 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13141 \fi%
13142 \if@bidi@longtableloaded@else
13143 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13144 \fi%
13145 \if@bidi@arydshlnloaded@else
13146 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pack
13147 \fi%
13148 \if@bidi@multicolloaded@else
13149 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13150 \fi%
13151 \if@bidi@multienumloaded@else
13152 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13153 \fi%
13154 \if@bidi@minitocloaded@else
13155 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13156 \fi%
13157 \if@bidi@natbibloaded@else
13158 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package
13159 \fi%
13160 \if@bidi@newfloatloaded@else
13161 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13162 \fi%
13163 \csname if@bidi@ragged2loaded@endcsname\else
13164 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13165 \fi%
13166 \if@bidi@rotatingloaded@else
13167 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13168 \fi%
13169 \if@bidi@tblsloaded@else
13170 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package.
13171 \fi%
13172 \if@bidi@tabularyloaded@else
13173 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13174 \fi%
13175 \if@bidi@tocbasicloaded@else

```




```

13176 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13177 \fi%
13178 \if@bidi@tocstyleloaded@else
13179 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package toctstyle after bidi packa
13180 \fi%
13181 \if@bidi@tocbibindloaded@else
13182 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13183 \fi%
13184 \if@bidi@fontspecloaded@else
13185 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa
13186 \fi%
13187 \if@bidi@arabxetexloaded@else
13188 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13189 \fi%
13190 \if@bidi@polyglossialoaded@else
13191 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi pa
13192 \fi%
13193 \if@bidi@fancyvrbloaded@else
13194 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
13195 \fi%
13196 }

```

76 File longtable-xetex-bidi.def

```

13197 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13198 \def\LT@array[#1]#2{%
13199 \refstepcounter{table}\stepcounter{LT@tables}%
13200 \if l#1%
13201 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
13202 \else\if r#1%
13203 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13204 \else\if c#1%
13205 \LTleft\fill \LTright\fill
13206 \fi\fi\fi
13207 \let\LT@mcol\multicolumn
13208 \let\LT@tabarray\@tabarray
13209 \let\LT@ohl\hline
13210 \def\@tabarray{%
13211 \let\hline\LT@ohl
13212 \LT@tabarray}%
13213 \let\LT@tabularcr\let\tabularnewline\%
13214 \def\newpage{\noalign{\break}}%
13215 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13216 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
13217 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13218 \@tempdima\ht\strutbox
13219 \let\@endpbox\LT@endpbox
13220 \ifx\extrarowheight\@undefined
13221 \let\@acol\@tabacol
13222 \let\@classz\@tabclassz \let\@classiv\@tabclassiv

```



```

13223 \def\@startpbox{\vtop\LT@startpbox}%
13224 \let\@@startpbox\@startpbox
13225 \let\@@endpbox\@endpbox
13226 \let\LT@LL@FM@cr\@tabularcr
13227 \else
13228 \advance\@tempdima\extrarowheight
13229 \col@sep\@tabcolsep
13230 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13231 \fi
13232 \setbox\@arstrutbox\hbox{\vrule
13233 \@height \arraystretch \@tempdima
13234 \@depth \arraystretch \dp \strutbox
13235 \@width \z@}%
13236 \let\@sharp##\let\protect\relax
13237 \begingroup
13238 \mkpream{#2}%
13239 \xdef\LT@bchunk{%
13240 \global\advance\c@LT@chunks\@ne
13241 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13242 \LT@setprevdepth
13243 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13244 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13245 \endgroup
13246 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13247 \LT@make@row
13248 \m@th\let\par\@empty
13249 \everycr{}\lineskip\z@\baselineskip\z@
13250 \LT@bchunk}
13251 \def\LT@makecaption#1#2#3{%
13252 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
13253 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13254 \ifdim\wd\@tempboxa>\hsize
13255 #1{#2: }#3%
13256 \else
13257 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13258 \fi
13259 \endgraf\vskip\baselineskip}%
13260 \hss}}}
13261 \ifpackageloaded{caption}{%
13262 \renewcommand\LT@makecaption[3]{%
13263 \caption@LT@make{%
13264 \caption@settype*\LT@captype
13265 \ifdim\LT@capwidth=4in \else
13266 \setcaptionwidth\LT@capwidth
13267 \fi
13268 \caption@setoptions{longtable}%
13269 \caption@setoptions{@longtable}%
13270 \caption@LT@setup
13271 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13272 \caption@startrue#1\caption@starfalse

```



```

13273 \caption@prepare@stepcounter\LTcapttype{LT}%
13274 \caption@begin\LTcapttype
13275 \caption@normalsize
13276 \vskip-\ht\strutbox
13277 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13278 \caption@@make{#2}{#3}\endgraf
13279 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13280 \caption@end}}%
13281 }{}
13282 \def\LT@startpbox#1{%
13283 \bgroup
13284 \let\@footnotetext\LT@p@ftntext
13285 \let\@LTrfootnotetext\LT@p@LTrftntext
13286 \let\@RTLfootnotetext\LT@p@RTLftntext
13287 \setlength\hsize{#1}%
13288 \@arrayparboxrestore
13289 \vrule \@height \ht\@arstrutbox \@width \z@}
13290 \def\LT@p@LTrftntext#1{%
13291 \edef\@tempa{\the\LT@p@ftn\noexpand\LTrfootnotetext[\the\c@footnote]]}%
13292 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13293 \def\LT@p@RTLftntext#1{%
13294 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13295 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13296
13297
13298 \def\LT@output{%
13299 \ifnum\outputpenalty <-\@Mi
13300 \ifnum\outputpenalty >-\LT@end@pen
13301 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13302 \else
13303 \setbox\z@\vbox{\unvbox\@cclv}%
13304 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13305 \dimen@ \pagegoal
13306 \advance\dimen@-\ht\LT@lastfoot
13307 \ifdim\dimen@<\ht\z@
13308 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13309 \makecol
13310 \outputpage
13311 \setbox\z@\vbox{\box\LT@head}%
13312 \fi
13313 \fi
13314 \global\@colroom\@colht
13315 \global\vsizel\@colht
13316 \vbox
13317 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13318 \fi
13319 \else
13320 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13321 \makecol
13322 \outputpage

```



```

13323     \global\vsizel\colroom
13324     \copy\LThead\nobreak
13325 \fi}

```

77 File mathtools-xetex-bidi.def

```

13326 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13327 \MHInternalSyntaxOn
13328 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13329   \@namedef{MT_tagform_#1:n}##1
13330   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i}
13331 }
13332 \renewtagform{default}{\{()\}}
13333 \MHInternalSyntaxOff

```

78 File mdframed-xetex-bidi.def

```

13334 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13335 \newif\if@bidi@mdf@RTL
13336 \def\mdf@lrbox#1{%
13337   \mdf@patchamsthm\patch amsthm
13338   \if@RTL\@bidi@mdf@RTLtrue\fi%
13339   \@RTLfalse%
13340   \setbox#1\vbox\bgroup%
13341   \color@begingroup%
13342   \if@bidi@mdf@RTL\@RTLtrue\fi%
13343   \mdf@horizontalmargin@equation%
13344   \columnwidth=\hsize%
13345   \textwidth=\hsize%
13346   \let\if@nobreak\iffalse%
13347   \let\if@noskipsec\iffalse%
13348   \let\par\@par%
13349   \let\-\@dischyph%
13350   \let'\@acci\let\` \@accii\let\=\@acciii%
13351   \parindent\z@ \parskip\z@skip%
13352   \linewidth\hsize%
13353   \@totalleftmargin\z@%
13354   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13355   \parfillskip\@flushglue \lineskip\normallineskip%
13356   \baselineskip\normalbaselineskip%
13357 %% \sloppy%
13358 \let\\\@normalcr%
13359 \mdf@par@local%New feature to restore parskip/parindent local in save box
13360 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13361 \@afterindentfalse%
13362 %\@afterheading%
13363 }
13364 \renewrobustcmd\mdfframedtitleenv[1]{%
13365   \mdf@lrbox{\mdf@frametitlebox}%
13366   \mdf@frametitlealignment%

```



```

13367 \leavevmode{\color{\mdf@frametitlefontcolor}%
13368 \normalfont\mdf@frametitlefont{#1}
13369 \ifbool{mdf@ignorelastdescenders}%
13370 {%
13371 \par\strut\par
13372 \unskip\unskip\setbox0=\lastbox
13373 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13374 }{}}%
13375 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13376 \endmdf@lrbox\relax%
13377 \mdf@ignorevbadness%
13378 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13379 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13380 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13381 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13382 \mdfframetitleboxtotalheight=\dimexpr
13383 \ht\mdf@frametitlebox
13384 +\dp\mdf@frametitlebox%
13385 +\mdf@frametitleaboveskip@length
13386 +\mdf@frametitlebelowskip@length
13387 \relax%
13388 }
13389
13390 \renewrobustcmd*{\mdf@footnoteoutput{%
13391 \ifvoid\@mpfootins\else%
13392 \nobreak%
13393 \vskip\mdf@footnotedistance@length%
13394 \normalcolor%
13395 \bidi@mpfootnoterule%
13396 \unvbox\@mpfootins%
13397 \fi%
13398 }
13399
13400
13401 \renewrobustcmd*{\mdf@footnoteinput{%
13402 \def\@mpfn{mpfootnote}%
13403 \def\thempfn{\thempfootnote}%
13404 \c@mpfootnote\z@%
13405 \let\@footnotetext\@mpfootnotetext%
13406 \let\@LTRfootnotetext\@mpLTRfootnotetext%
13407 \let\@RTLfootnotetext\@mpRTLfootnotetext%
13408 }

```

79 File bidi-media9.sty

```

13409 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13410 {bidi fixes for media9 package for the XeTeX engine}
13411
13412 \keys_define:nn{media9/mbtn}{
13413   draft .code:n = {},

```



```

13414 final .code:n = {},
13415
13416 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13417 tooltip .value_required:n = {true},
13418
13419 overface .code:n = {
13420   \sbox\l_mix_poster_box{
13421     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13422   \mix_pdfxform:n{\l_mix_poster_box}
13423   \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13424 },
13425 overface .value_required:n = {true},
13426
13427 downface .code:n = {
13428   \sbox\l_mix_poster_box{
13429     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13430   \mix_pdfxform:n{\l_mix_poster_box}
13431   \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13432 },
13433 downface .value_required:n = {true},
13434
13435 3Dgotoview .code:n = {
13436   \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13437   \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl
13438   \tl_trim_spaces:N\l_tmpa_tl
13439   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13440     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13441       \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13442       \regex_replace_once:nnN{([~:~]+:~?){}\1}\l_tmpb_tl
13443       \tl_trim_spaces:N\l_tmpb_tl
13444       \tl_if_blank:VF\l_tmpb_tl{
13445         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl
13446         \tl_set:Nx\l_mix_vidx_tl{/\l_tmpb_tl}
13447       }{
13448         \regex_match:nVTF{^~\d+}$}\l_tmpb_tl{
13449           \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
13450         }{
13451           \regex_replace_once:nnN{~\(\s*\)}{\1}\l_tmpb_tl
13452           \regex_replace_once:nnN{\s*\)}{\1}\l_tmpb_tl
13453           \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13454         }
13455       }
13456     }
13457   \mix_pdfobj:nnn{}{dict}{
13458     /S/JavaScript/JS~(
13459       if (typeof (annotRM)== 'undefined') {annotRM=new-Array();}
13460       if (typeof (annotRM['\l_tmpa_tl'])== 'undefined') {
13461         annotRM['\l_tmpa_tl']=
13462           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13463       }

```



```

13464         annotRM['\l_tmpa_tl'].activated=true;
13465     )
13466     \tl_if_blank:VF\l_tmpb_tl{
13467         /Next~<<
13468         /S/GoTo3DView
13469         /TA~\tl_use:c{ann@\l_tmpa_tl}
13470         /V\l_mix_vidx_tl
13471     >>
13472     }
13473 }
13474 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13475 }
13476 }{
13477     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13478     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13479         \tl_new:N\g_mix_refundefwarned_tl
13480         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13481     }
13482 }
13483 },
13484 3Dgotoview .value_required:n = {true},
13485
13486 mediacommand .code:n = {
13487     \tl_set:Nx\l_tmpa_tl{#1}
13488     \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl %extract ref
13489     \tl_trim_spaces:N\l_tmpa_tl
13490     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13491         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13492             \tl_set:Nx\l_tmpb_tl{#1}
13493             \regex_replace_once:nnN{([^\:]+\:)?}{\1}\l_tmpb_tl
13494             \tl_trim_spaces:N\l_tmpb_tl
13495             \regex_replace_all:nnN{^{\|\\$}}{\}\l_tmpb_tl
13496             \tl_set:Nx\l_mix_cmd_tl{
13497                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13498             \tl_trim_spaces:N\l_mix_cmd_tl
13499             \tl_set:Nx\l_mix_arg_tl{
13500                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13501             \tl_trim_spaces:N\l_mix_arg_tl
13502             \mix_pdfobj:nnn{}{dict}{
13503                 /S/JavaScript/JS~(
13504                     if (typeof(annotRM)=='undefined'){annotRM=new~Array();}
13505                     if (typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13506                         annotRM['\l_tmpa_tl']=
13507                             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13508                     }
13509                     annotRM['\l_tmpa_tl'].activated=true;
13510                 )
13511                 \tl_if_blank:VF\l_mix_cmd_tl{
13512                     /Next~<<
13513                     /S/RichMediaExecute

```



```

13514         /TA~\tl_use:c{ann@l_tmpa_tl}
13515         /TI~\tl_use:c{main@l_tmpa_tl}
13516         /CMD~<<
13517         /C~(\l_mix_cmd_tl)
13518         \tl_if_blank:VF\l_mix_arg_tl{
13519             /A~[\l_mix_arg_tl]
13520         }
13521         >>
13522     >>
13523 }
13524 }
13525 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13526 }
13527 }{
13528     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13529     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13530         \tl_new:N\g_mix_refundefwarned_tl
13531         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13532     }
13533 }
13534 },
13535 mediacommand .value_required:n = {true},
13536
13537 jsaction .code:n = {
13538     \tl_set:Nx\l_tmpa_tl{#1}
13539     \regex_match:nVTF{^[^\{:\}+:\. *$}\l_tmpa_tl{
13540         \regex_replace_once:nnN{([^\{:\}+:\. *$)}{\1}\l_tmpa_tl %extract ref
13541         \tl_trim_spaces:N\l_tmpa_tl
13542     }{\tl_clear:N\l_tmpa_tl}
13543     \tl_set:Nx\l_tmpb_tl{#1}
13544     \tl_if_blank:VF\l_tmpa_tl{
13545         \tl_if_exist:cF{ann@l_tmpa_tl}{
13546             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13547             \cs_if_exist:NF\g_mix_refundefwarned_tl{
13548                 \tl_new:N\g_mix_refundefwarned_tl
13549                 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13550             }
13551         }
13552         \regex_replace_once:nnN{[^\{:\}+:\. *$]}{\1}\l_tmpb_tl
13553     }
13554     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13555     \tl_trim_spaces:N\l_tmpb_tl
13556     \tl_if_blank:VF\l_tmpb_tl{
13557         \mix_pdfobj:nnn{}{dict}{
13558             /S/JavaScript/JS~(
13559                 try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
13560         \bool_lazy_and:nnT{
13561             \tl_if_exist_p:c{ann@l_tmpa_tl}
13562         }{
13563             !\str_if_eq_x_p:nn{\tl_use:c{ann@l_tmpa_tl}}{draft}

```




```

13564   }{
13565     \mix_pdfobj:nnn{}{dict}{
13566       /S/JavaScript/JS~(
13567         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13568         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13569           annotRM['\l_tmpa_tl']=
13570             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13571         }
13572         annotRM['\l_tmpa_tl'].activated=true;
13573       )
13574       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13575     }
13576   }
13577   \bool_if:nT{
13578     \bool_lazy_and_p:nn{
13579       \tl_if_exist_p:c{ann@\l_tmpa_tl}
13580     }{
13581       !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13582     }
13583     || !\tl_if_blank_p:V\l_tmpb_tl
13584   }{
13585     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13586   }
13587 },
13588 jsaction .value_required:n = {true},
13589
13590 unknown .code:n = {
13591   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13592 }
13593 }
13594
13595 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
13596   \mix_urien:
13597   \group_begin:
13598   \mix_beginLTR:
13599   \leavevmode
13600   %empty stream as appearance dummy
13601   \cs_if_exist:NF\g_mix_appearance_tl{
13602     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13603     \mix_pdfxform:n{\l_mix_poster_box}
13604     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13605   }
13606   \mix_reset:
13607   \mix_uribegin: %treat URI characters correctly
13608   \keys_set:nn{media9/user}{#1}
13609   \mix_urien:
13610   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13611   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13612   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13613   \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}

```



```

13614 \tl_gtrim_spaces:N\g_mix_flashvars_tl
13615
13616 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13617
13618 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13619 %\hbox_set:Nn\l_mix_poster_box{#2}
13620 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13621 \mix_scale:n{\l_mix_poster_box}
13622 \bool_if:nT{
13623   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
13624   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13625 }{
13626   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13627 }
13628 \bool_if:NTF\g_mix_usrdraft_bool{
13629   \tl_if_empty:NF\g_mix_usrlabel_tl{
13630     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13631   }
13632   \tl_if_blank:oTF{#2}{
13633     \mix_uribegin: %treat URI characters correctly
13634     \mix_draftbox:n{\tl_to_str:n{#3}}
13635     \mix_uriend:
13636   }{
13637     \hbox_to_wd:nn{\g_mix_wd_tl}{
13638       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
13639       \box_use:N\l_mix_poster_box\hss
13640     }
13641   }
13642 }{
13643   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13644     %attach script that switches off play button overlay upon activation
13645     \mix_pdfobj:nnn{}{stream}{
13646       {}{
13647         var~ocgs=host.getOCGs(host.pageNum);
13648         for(var~i=0;i<ocgs.length;i++){
13649           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13650             ocgs[i].state=false;
13651           }
13652         }
13653       }
13654     }
13655     \mix_pdfobj:nnn{}{dict}{
13656       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13657     }
13658     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13659     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13660     %enforce plain playbutton overlay for XeTeX
13661     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13662   }
13663   %embed main asset

```



```

13664 \mix_uribegin:
13665 \mix_embedasset:n{#3}
13666 \bool_if:nTF{
13667   \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13668 }{
13669   \bool_gset_true:N\g_mix_iiid_bool
13670   \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
13671 }{
13672   \str_case_x:nnF{\l_mix_base_tl}{
13673     {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13674     {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13675     {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13676     {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13677     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13678   }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
13679 }
13680 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13681 \mix_uriend:
13682 %secondary assets (added by addresource)
13683 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13684 \seq_map_inline:Nn\g_mix_script_seq{
13685   \mix_embedasset:n{##1}
13686   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13687 }
13688 %attach 3D calculation script
13689 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13690   \mix_embedasset:n{3Dmenu.js}
13691   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13692 }
13693 %create 3D views from file (option 3Dviews)
13694 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13695   \tl_set:Nn\l_mix_level_tl{c_minus_one}
13696   \int_zero:N\l_mix_viewcnt_int
13697   \int_zero:N\l_mix_lineno_int
13698
13699   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13700   \ior_map_inline:Nn\l_mix_vfile_stream{
13701     \int_incr:N\l_mix_lineno_int
13702     \keys_set:nn{media9/views}{##1} %process input line
13703   }
13704   \ior_close:N\l_mix_vfile_stream
13705 }
13706 \bool_if:nT{ %create default 3D view if required
13707   \g_mix_iiid_bool &&
13708   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13709 }{
13710   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13711   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13712   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13713   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl

```



```

13714 \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13715 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13716 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13717
13718 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13719 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13720 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13721 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13722
13723 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13724 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13725 \tl_clear:N\l_mix_naarray_tl
13726
13727 \bool_if:NF\l_mix_ciiw_bool{
13728   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13729   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13730 }
13731
13732 \tl_clear:N\l_mix_naarray_tl
13733 \tl_clear:N\l_mix_saarray_tl
13734 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13735
13736 \mix_view:n{Default}
13737 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13738
13739 }
13740 \mix_pdfobj:nnn{}{dict}{
13741   /Type/RichMediaInstance
13742   /Subtype/\g_mix_mainassetsub_tl
13743   /Asset~\g_mix_mainasset_tl
13744   \bool_if:NF\g_mix_iiid_bool{
13745     /Params~<<
13746     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13747       /Foreground
13748     }{
13749       /Background
13750     }
13751     \tl_if_blank:VF\g_mix_flashvars_tl{
13752       /FlashVars~(\g_mix_flashvars_tl)
13753     }
13754     >>
13755   }
13756 }
13757 \tl_if_empty:NF\g_mix_usrlabel_tl{
13758   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13759 }
13760 \mix_pdfobj:nnn{}{dict}{
13761   /Type/RichMediaConfiguration
13762   /Subtype/\g_mix_mainassetsub_tl
13763   /Instances~[\mix_pdflastobj:]

```



```

13764 }
13765 \mix_pdfobj:nnn{{dict}}{
13766   /Type/RichMediaContent
13767   /Assets~<</Names~[\g_mix_assets_tl]>>
13768   /Configurations~[\mix_pdflastobj:]
13769   \bool_if:NT{
13770     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13771   }{
13772     /Views~[\l_mix_iiidviewarray_tl]
13773   }
13774 }
13775 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13776 \bool_if:NT{
13777   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13778 }{
13779   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13780 }
13781 %determine floating window size
13782 \bool_if:NT\g_mix_opt_windowed_bool{
13783   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13784 }
13785 \mix_pdfobj:nnn{{dict}}{
13786   /Activation~<<
13787   /Condition\g_mix_act_tl
13788   \bool_if:NT{
13789     \g_mix_iiid_bool &&
13790     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13791   }{%seems to work only with 3D content
13792     /Animation~<<
13793     /Subtype\g_mix_playtpe_tl
13794     /PlayCount~\g_mix_playcnt_tl
13795     /Speed~\g_mix_playspd_tl
13796     >>
13797   }
13798   \bool_if:NT{
13799     \g_mix_iiid_bool && (
13800       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13801     )
13802   }{/View~\l_mix_dfltview_tl}
13803   /Presentation~<<
13804   /Transparent~\g_mix_transp_tl
13805   \bool_if:NTF\g_mix_opt_windowed_bool{
13806     /Style/Windowed
13807   }/Window~<<
13808     /Width~<</Default~\tl_mix_fltd>>
13809     /Height~<</Default~\tl_mix_fltht>>
13810     /Position~<<
13811     /HOffset~0/VOffset~0
13812     \str_case_x:nnF{\g_mix_winpos_tl}{
13813       {tl}{VAlign/Near/HAlign/Near}

```



```

13814         {cl}{/VAlign/Center/HAlign/Near}
13815         {bl}{/VAlign/Far/HAlign/Near}
13816         {bc}{/VAlign/Far/HAlign/Center}
13817         {br}{/VAlign/Far/HAlign/Far}
13818         {cr}{/VAlign/Center/HAlign/Far}
13819         {tr}{/VAlign/Near/HAlign/Far}
13820         {tc}{/VAlign/Near/HAlign/Center}
13821     }{/HAlign/Center/VAlign/Center}
13822     >>
13823     >>
13824     }{
13825         /Style/Embedded
13826     }
13827     \bool_if:NTF\g_mix_iiid_bool{
13828         /Toolbar~\g_mix_tools_tl
13829         /NavigationPane~\g_mix_nav_tl
13830     }{
13831         /PassContextClick~\g_mix_contextclick_tl
13832     }
13833     >>
13834     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13835     >>
13836     /Deactivation~<</Condition\g_mix_deact_tl>>
13837 }
13838 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13839 \tl_if_empty:NF\g_mix_usrlabel_tl{
13840     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13841 }
13842 % #1:width, #2:height, #3:depth, #4:content (key-value)
13843 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13844     /Subtype/RichMedia
13845     /F~4
13846     /BS~<</W~0/S/S>>
13847     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13848     /NM~(\g_mix_label_tl)
13849     /AP~<</N~\g_mix_appearance_tl>>
13850     /RichMediaSettings~\l_mix_settings_tl
13851     /RichMediaContent~\l_mix_content_tl
13852 }
13853 \tl_if_empty:NF\g_mix_usrlabel_tl{
13854     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13855     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13856         \noexpand\the\g@mix@page@int}
13857 }
13858 \mix_pdfobj:nnn{}{dict}{
13859     /S/JavaScript/JS~(
13860         try{
13861             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13862             if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13863                 annotRM['\g_mix_label_tl']=

```



```

13864         this.getAnnotRichMedia(this.pageNum,'g_mix_label_tl');
13865     }
13866     \str_if_eq_x:nnF{g_mix_usrpbtn_tl}{none}{
13867         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
13868             var~ocgs=this.getOCGs(this.pageNum);
13869             for(var~i=0;i<ocgs.length;i++){
13870                 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13871                     var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13872                 }
13873             }
13874         }
13875         if(
13876             !annotRM['g_mix_label_tl'].activated&&(
13877                 app.viewerType=='Reader' ||
13878                 app.viewerType=='Exchange' ||
13879                 app.viewerType=='Exchange-Pro'
13880             )&&app.viewerVersion>=9
13881         ){
13882             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13883         }
13884     }
13885     }catch(e){}
13886     this.dirty=false;
13887 )
13888 }
13889 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
13890     /Subtype/Widget
13891     /FT/Btn/Ff~65537/F~2
13892     /BS~<</W~0>>
13893     /T~(fd@g_mix_label_tl)
13894     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
13895 }
13896 \mix_appendtofields:n{\mix_pdflastann:}
13897 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
13898 \str_if_eq_x:nnTF{g_mix_usrpbtn_tl}{none}{
13899     \hbox_to_wd:nn{g_mix_wd_tl}{
13900         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
13901     }
13902 }{%insert play button overlay
13903     \mix_insert_btnocg: %create OCG
13904     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@g_mix_usrpbtn_tl @tl}
13905     \group_begin:
13906     \cs_if_exist:NT\textdir{\textdir TLT}
13907     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13908     \box_move_down:nn{\g_mix_dp_tl}{
13909         \hbox_to_wd:nn{\g_mix_wd_tl}{
13910             \vbox_to_ht:nn{\g_mix_tt_tl}{
13911                 \vss
13912                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
13913                 \box_use:N\l_mix_pbtn_box

```



```

13914         \ocgbase_oc_emc:
13915     }
13916 }
13917 }
13918 \group_end:
13919 }
13920 \int_gincr:N\g_mix_rmcnt_int
13921 }
13922 \mix_endLTR:
13923 \group_end:
13924 }
13925 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
13926 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
13927
13928 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
13929 \mix_uriend:
13930 \group_begin:
13931 \mix_beginLTR:
13932 \leavevmode
13933 %reset various variables
13934 \tl_gclear:N\g_mix_overbtn_tl
13935 \tl_gclear:N\g_mix_downbtn_tl
13936 \tl_gclear:N\g_mix_btnactions_tl
13937 \tl_gclear:N\g_mix_tooltip_tl
13938 %process options
13939 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13940 \mix_uribegin: %treat URI characters correctly
13941 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13942 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13943 \mix_uriend:
13944 %normal button appearance
13945 %\hbox_set:Nn\l_mix_poster_box{#2}
13946 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13947 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13948 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
13949 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13950 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13951 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
13952 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
13953 \mix_pdfxform:n{\l_mix_poster_box}
13954 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13955 %insert widget annotation
13956 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13957 /Subtype/Widget
13958 /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
13959 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
13960 /FT/Btn/Ff~65536
13961 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
13962 /AP~<<
13963 /N~\g_mix_normalbtn_tl

```




```

13964      \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13965      \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13966      >>
13967      /MK~<<
13968      /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13969      /I~\g_mix_normalbtn_tl
13970      \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13971      \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13972      >>
13973      /A~<<
13974      /S/JavaScript/JS~(app.focusRect=false;)
13975      %sequence of actions to perform
13976      \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13977      >>
13978      }
13979      \mix_appendtofields:n{\mix_pdflastann:}
13980      \hbox_to_wd:nn{\width}{
13981        \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
13982      }
13983      \int_gincr:N\g_mix_mbtncnt_int
13984    }
13985    \mix_endLTR:
13986    \group_end:
13987  }
13988
13989  \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13990  \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
13991
13992

```

80 File memoir-xetex-bidi.def

```

13993 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for XeLaTeX]
13994 \renewcommand{\keepthetitle}{%
13995   \@bsmtitleempty
13996   \global\let\thanks\relax
13997   \global\let\LTRthanks\relax
13998   \global\let\RTLthanks\relax
13999   \global\let\and\relax
14000   \global\let\andnext\relax
14001   \global\let\@thanks\@empty
14002   \global\let\@title\@empty
14003   \global\let\@author\@empty
14004   \global\let\@date\@empty}
14005 \renewcommand{\maketitle}{\par
14006   \begingroup
14007     \@bsmarkseries
14008     \def\@makefnmark{\@textsuperscript{%
14009       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
14010     \long\def\@makefntext##1{\makethanksmark ##1}

```



```

14011 \if@twocolumn
14012 \ifnum \col@number=\@ne
14013 \maketitle
14014 \else
14015 \twocolumn[\maketitle]%
14016 \fi
14017 \else
14018 \ifdim\pagetotal>z@
14019 \newpage
14020 \fi
14021 \global\@topnum\z@
14022 \maketitle
14023 \fi
14024 \thispagestyle{title}\@thanks
14025 \endgroup
14026 \@bscontmark % \setcounter{footnote}{0}%
14027 }
14028 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
14029 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14030 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrighskip\else\vleftskip\fi}
14031 \renewcommand*{\memRTLvrighskip}{\if@RTL\vleftskip\else\vrighskip\fi}
14032 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14033 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14034 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14035 \renewcommand*{\thesubsection}{%
14036 \thesection\@SepMark\@arabic\csubsection}
14037 \renewcommand*{\thesubsubsection}{%
14038 \thesubsection\@SepMark\@arabic\csubsubsection}
14039 \renewcommand*{\theparagraph}{%
14040 \thesubsubsection\@SepMark\@arabic\c@paragraph}
14041 \renewcommand*{\thesubparagraph}{%
14042 \theparagraph\@SepMark\@arabic\c@subparagraph}
14043 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14044 \renewcommand{\theequation}{%
14045 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14046 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14047 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14048 \ifartopt
14049 \chapterstyle{article}
14050 \counterwithout{figure}{chapter}
14051 \counterwithout{table}{chapter}
14052 \counterwithout{footnote}{chapter}
14053 \counterwithout{equation}{chapter}
14054 \renewcommand{\chaptername}{\@arabic\c@chapter}
14055 \renewcommand{\maketitlehookb}{%
14056 \vskip -1.5\topsep\vskip -1.5\partopsep}
14057 \renewcommand{\maketitlehookc}{%
14058 \vskip -1.5\topsep\vskip -1.5\partopsep}
14059 \fi
14060 \long\def\@makecaption#1#2{\let\@memtempa\relax

```



```

14061 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14062 \else \def\@memtempa{\vbox to\topskip{}}\fi
14063 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
14064 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
14065 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14066 \let\footnote\@contfnote
14067 \let\footnotemark\@contfmark
14068 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14069 \if@contcw
14070 \centering
14071 \parbox{\@contcwidth}{%
14072 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14073 \fi
14074 \ifdim\wd\@tempboxa<\linewidth
14075 \@contpre
14076 {\@contnfont #1\@contdelim}\@memtempa
14077 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14078 \else
14079 \if@conthang
14080 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14081 \@contpre%
14082 {\@contcstyle\hangindent=\wd\@tempboxa
14083 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14084 \else
14085 \if@contindent
14086 \@contpre%
14087 {\@contnfont #1\@contdelim}\@memtempa
14088 {\@contcstyle\hangindent=\@contindw
14089 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14090 \else
14091 \@contpre%
14092 {\@contnfont #1\@contdelim}\@memtempa
14093 {\@contcstyle \@conttfont #2\@contfinal\par}
14094 \fi
14095 \fi
14096 \fi
14097 \@contpost
14098 \if@contcw
14099 \par
14100 } % end of the \parbox
14101 \fi
14102 \vskip\belowcaptionskip}
14103 \ifpackageloaded{caption}{%
14104 \AtBeginPackage{caption}{
14105 \ClassWarningNoLine{memoir}{%
14106 You are using the caption package with the memoir \MessageBreak
14107 class. This may cause unexpected or inconsistent \MessageBreak
14108 results if you use any of memoir's captioning facilities}
14109 }
14110 \long\def\@makecaption##1##2{%

```



```

14111 \vskip\abovecaptionskip
14112 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14113 \ifdim \wd\@tempboxa >\hsize
14114 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14115 \else
14116 \global \@minipagefalse
14117 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14118 \fi
14119 \vskip\belowcaptionskip}
14120
14121 \def\caption{%
14122 \ifx\@capytype\@undefined
14123 \latexerror{\noexpand\caption outside float}\@ehd
14124 \expandafter\@gobble
14125 \else
14126 \refstepcounter\@capytype
14127 \expandafter\@firstofone
14128 \fi
14129 {\@dblarg{\@caption\@capytype}}%
14130 }
14131
14132 \long\def\@caption##1[##2]##3{%
14133 \par
14134 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14135 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14136 \begingroup
14137 \parboxrestore
14138 \if@minipage
14139 \setminipage
14140 \fi
14141 \normalsize
14142 \makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14143 \endgroup}
14144 }{}
14145 \renewenvironment{thebibliography}[1]{%
14146 \bibsection
14147 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14148 \bidi@thebibliography@font@hook%
14149 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

81 File midfloat-xetex-bidi.def

```

14150 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14151 \def\RTL@outputdblcol{%
14152 \if@firstcolumn
14153 \global \@firstcolumnfalse
14154 \global\setbox\@leftcolumn\copy\@outputbox
14155 \splitmaxdepth\maxdimen
14156 \vbadness\maxdimen
14157 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%

```



```

14158 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14159 \toks@\expandafter{\topmark}%
14160 \xdef\@firstcoltopmark{\the\toks@}%
14161 \toks@\expandafter{\splitfirstmark}%
14162 \xdef\@firstcolfirstmark{\the\toks@}%
14163 \ifx\@firstcolfirstmark\@empty
14164 \global\let\@setmarks\relax
14165 \else
14166 \gdef\@setmarks{%
14167 \let\firstmark\@firstcolfirstmark
14168 \let\topmark\@firstcoltopmark}%
14169 \fi
14170 \global\c@colht\@colht\global\c@advipersep\z@
14171 \ifnum\jua@sk>0
14172 \remove@strip\jua@sar
14173 \global\@colht\the\jua@pr
14174 \ifdim\right@cor>\z@
14175 \global\advance\@colht by\right@cor
14176 \fi
14177 \global\advance\@colht by\cor@height
14178 \global\cor@height=0pt
14179 \fi
14180 \global \setbox\@rightcolumn \vbox{%
14181 \else
14182 \ifdim\c@colht>\@colht
14183 \@tempdima\@colht
14184 \ifdim\@colht>\z@
14185 \global\setbox\@rightcolumn \vbox{%
14186 \unvbox\@rightcolumn
14187 \vbox to\@tempdima{%
14188 \vskip\c@advipersep\unvbox\@outputbox}%
14189 \vskip\stripsep
14190 \vrule height\the\jua@ht width 0pt depth 0pt
14191 \vskip\stripsep
14192 }%
14193 \global\c@advipersep\m@advipersep
14194 \else
14195 \global\setbox\@rightcolumn \vbox{%
14196 \unvbox\@rightcolumn
14197 \vrule height\the\jua@ht width 0pt depth 0pt
14198 \vskip\stripsep
14199 }%
14200 \fi
14201 \ifnum\jua@sk>0
14202 \remove@strip\jua@sar
14203 \global\@colht\the\jua@pr
14204 \global\advance\@colht by -\ht\@rightcolumn
14205 \global\advance\@colht by\cor@height
14206 \global\cor@height=0pt
14207 \else

```



```

14208             \global\advance\c@colht by-\ht\@rightcolumn
14209             \global\@colht\c@colht
14210         \fi
14211     \else
14212     \global\@firstcolumntrue
14213     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14214         \unvbox\@rightcolumn
14215         \vskip\c@addvipersep
14216         \unvbox\@outputbox
14217     }%
14218     \setbox\@outputbox \vbox {%
14219         \hb@xt@\textwidth {%
14220             \hskip \columnwidth
14221             \hfil
14222             \vrule \@width\columnseprule
14223             \hfil
14224             \hb@xt@\columnwidth {%
14225                 \bidi@firstcolumn@status@write%
14226                 \box\@leftcolumn \hss}%
14227             \hskip-\textwidth
14228             \hb@xt@\columnwidth {%
14229                 \bidi@lastcolumn@status@write%
14230                 \box\@outputbox \hss}%
14231             \hskip\columnwidth
14232             \hskip\columnsep}%
14233         }%
14234     \@combinedblfloats
14235     \@setmarks
14236     \@outputpage
14237     \begingroup
14238     \@dblfloatplacement
14239     \@startdblcolumn
14240     \@whiles\if@fcolmade \fi
14241     {\@outputpage
14242     \@startdblcolumn}%
14243     \endgroup
14244     \global\jua@sk=0\global\jua@sar={}%
14245     \global\cor@height\z@\global\c@addvipersep\z@
14246     \fi
14247 \fi
14248 }
14249
14250
14251 \def\LTR@outputdblcol{%
14252     \if@firstcolumn
14253     \global \@firstcolumnfalse
14254     \global\setbox\@leftcolumn\copy\@outputbox
14255     \splitmaxdepth\maxdimen
14256     \vbadness\maxdimen
14257     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%

```



```

14258 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14259 \toks@\expandafter{\topmark}%
14260 \xdef\@firstcoltopmark{\the\toks@}%
14261 \toks@\expandafter{\splitfirstmark}%
14262 \xdef\@firstcolfirstmark{\the\toks@}%
14263 \ifx\@firstcolfirstmark\@empty
14264 \global\let\@setmarks\relax
14265 \else
14266 \gdef\@setmarks{%
14267 \let\firstmark\@firstcolfirstmark
14268 \let\topmark\@firstcoltopmark}%
14269 \fi
14270 \global\c@colht\@colht\global\c@advvipersep\z@
14271 \ifnum\jua@sk>0
14272 \remove@strip\jua@sar
14273 \global\@colht\the\jua@pr
14274 \ifdim\right@cor>\z@
14275 \global\advance\@colht by\right@cor
14276 \fi
14277 \global\advance\@colht by\cor@height
14278 \global\cor@height=0pt
14279 \fi
14280 \global \setbox\@rightcolumn \vbox{%
14281 \else
14282 \ifdim\c@colht>\@colht
14283 \@tempdima\@colht
14284 \ifdim\@colht>\z@
14285 \global\setbox\@rightcolumn \vbox{%
14286 \unvbox\@rightcolumn
14287 \vbox to\@tempdima{%
14288 \vskip\c@advvipersep\unvbox\@outputbox}%
14289 \vskip\stripsep
14290 \vrule height\the\jua@ht width 0pt depth 0pt
14291 \vskip\stripsep
14292 }%
14293 \global\c@advvipersep\m@advvipersep
14294 \else
14295 \global\setbox\@rightcolumn \vbox{%
14296 \unvbox\@rightcolumn
14297 \vrule height\the\jua@ht width 0pt depth 0pt
14298 \vskip\stripsep
14299 }%
14300 \fi
14301 \ifnum\jua@sk>0
14302 \remove@strip\jua@sar
14303 \global\@colht\the\jua@pr
14304 \global\advance\@colht by -\ht\@rightcolumn
14305 \global\advance\@colht by\cor@height
14306 \global\cor@height=0pt
14307 \else

```



```

14308             \global\advance\c@colht by-\ht\@rightcolumn
14309             \global\@colht\c@colht
14310         \fi
14311     \else
14312     \global\@firstcolumntrue
14313     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14314         \unvbox\@rightcolumn
14315         \vskip\c@addvipersep
14316         \unvbox\@outputbox
14317     }%
14318     \setbox\@outputbox \vbox {%
14319         \hb@xt@\textwidth {%
14320             \hb@xt@\columnwidth {%
14321                 \bidi@firstcolumn@status@write%
14322                 \box\@leftcolumn \hss}%
14323             \hfil
14324             \vrule \@width\columnseprule
14325             \hfil
14326             \hb@xt@\columnwidth {%
14327                 \bidi@lastcolumn@status@write%
14328                 \box\@outputbox \hss}%
14329             }%
14330         }%
14331     \@combinedblfloats
14332     \setmarks
14333     \outputpage
14334     \beginingroup
14335     \@dblfloatplacement
14336     \@startdblcolumn
14337     \@whiles\if@fcolmade \fi
14338     {\@outputpage
14339     \@startdblcolumn}%
14340     \endgroup
14341     \global\jua@sk=0\global\jua@sar={}%
14342     \global\cor@height\z@\global\c@addvipersep\z@
14343     \fi
14344 \fi
14345 }
14346
14347
14348 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14349 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14350     \hsize\textwidth
14351     \@parboxrestore
14352     \col@number \@ne
14353     \vrule height\topskip width0pt depth0pt
14354 }
14355
14356 \def\endstrip{%
14357     \egroup\egroup

```




```

14358 \if@firstcolumn
14359 \ifdim\pagetotal>\z@
14360 \vskip\stripsep
14361 \global\ht@strip\pagegoal
14362 \global\advance\ht@strip by-\pagetotal
14363 \global\advance\ht@strip by-\stripsep
14364 \global\advance\ht@strip by-\ht@viper
14365 \global\advance\ht@strip by-\stripsep
14366 \global\jua@ht=\ht@viper
14367 \else
14368 \global\ht@strip\z@
14369 \fi
14370 \ifdim\ht@strip>\z@
14371 \unvbox\@viper
14372 \vskip\stripsep
14373 \add@strip{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14374 \global\advance\jua@sk by1
14375 \else
14376 \@latex@error{Strip needs more place!}\@ehc
14377 \if@vihproof
14378 \framebox[\columnwidth]{??? Strip ???}%
14379 \fi
14380 \fi
14381 \else
14382 \@latex@error{Strip is used only on left column!}\@ehc
14383 \if@vihproof
14384 \framebox[\columnwidth]{??? Strip ???}%
14385 \fi
14386 \fi
14387 }

```

82 File minitoc-xetex-bidi.def

```

14388 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14389 \def\@undottedtocline#1#2#3#4#5{%
14390 \ifnum #1>\c@tocdepth\relax \else
14391 \vskip \z@ plus.2\p@
14392 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \
14393 \parindent #2\relax\@afterindenttrue
14394 \interlinepenalty\@M
14395 \leavevmode
14396 \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
14397 \hskip -\if@RTL\rightskip\else\leftskip\fi
14398 #4\nobreak\hfill \nobreak
14399 \null\par}%
14400 \fi}
14401 \def\@Undottedtocline#1#2#3#4#5{%
14402 \ifnum #1>\c@tocdepth\relax \else
14403 \vskip \z@ \@plus.2\p@
14404 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \

```



```

14405 \parindent #2\relax\@afterindenttrue
14406 \interlinepenalty\@M
14407 \leavevmode
14408 \@tempdima #3\relax
14409 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14410 {\coffefont #4}\nobreak \nobreak\null
14411 \par}%
14412 \fi}
14413 \def\@Undottedtoclinep#1#2#3#4#5{%
14414 \ifnum #1>\c@tocdepth\relax \else
14415 \vskip \z@ \@plus.2\p@
14416 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
14417 \parindent #2\relax\@afterindenttrue
14418 \interlinepenalty\@M
14419 \leavevmode
14420 \@tempdima #3\relax
14421 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14422 {#4}\nobreak \hfill \nobreak\null
14423 \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}}%
14424 \par}%
14425 \fi}

```

83 File multicol-xetex-bidi.def

```

14426 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package]
14427 \def\page@sofar{%
14428 \process@cols\mult@rightbox
14429 {\ifvoid\count@
14430 \setbox\count@\hbox to\hsize{}}%
14431 \else
14432 \wd\count@\hsize
14433 \fi}%
14434 \count@\col@number \advance\count@\m@ne
14435 \mult@info\z@
14436 {Column spec: \the\full@width\space = indent
14437 + columns + sep =\MessageBreak
14438 \the\multicol@leftmargin\space
14439 + \the\col@number\space
14440 x \the\hsize\space
14441 + \the\count@\space
14442 x \the\columnsep
14443 }%
14444 \ifvmode\else\errmessage{Multicol Error}\fi
14445 \nointerlineskip
14446 \setbox\z@\hbox{p}\global\dimen\tw\dp\z@
14447 \moveright\multicol@leftmargin
14448 \hbox to\full@width{%
14449 \bidi@multicol@align@columns
14450 \rlap{\phantom p}}%
14451 }%

```



```

14452 \prevdepth\z@
14453 \kern-\dimen\tw@
14454 \ifdim\dimen\tw@ > \mc@gridwarn
14455   \PackageWarning{multicol}%
14456     {Very deep columns!\MessageBreak
14457       Grid alignment might be broken}%
14458 \fi
14459 }
14460 \def\LTR@column@boxes{%
14461   \process@cols\mult@gfirstbox{%
14462     \ifdim\dp\count@>\dimen\tw@
14463       \global\dimen\tw@\dp\count@ \fi
14464     \mc@col@status@write
14465     \box\count@
14466     \hss{\columnseprulecolor\vrule
14467       \@width\columnseprule}\hss}%
14468   \ifdim\dp\mult@rightbox>\dimen\tw@
14469     \global\dimen\tw@\dp\mult@rightbox \fi
14470   \mc@lastcol@status@write
14471   \box\mult@rightbox
14472 }
14473
14474 \def\RTL@column@boxes{%
14475   \ifnum\col@number<\tw@
14476     \LTR@column@boxes
14477   \else
14478     \process@cols\mult@gfirstbox{%
14479       \hskip\hsize
14480       \hss{\columnseprulecolor\vrule
14481         \@width\columnseprule}\hss
14482     }%
14483     \hskip\hsize
14484     \process@cols\mult@gfirstbox{%
14485       \ifdim\dp\count@>\dimen\tw@
14486         \global\dimen\tw@\dp\count@ \fi
14487       \hskip-\hsize
14488       \mc@col@status@write
14489       \box\count@
14490       \hskip-\hsize
14491       \hskip-\columnsep
14492     }%
14493     \ifdim\dp\mult@rightbox>\dimen\tw@
14494       \global\dimen\tw@\dp\mult@rightbox \fi
14495     \hskip-\hsize
14496     \mc@lastcol@status@write
14497     \box\mult@rightbox
14498     \hskip-\hsize
14499     \hskip\full@width
14500   \fi
14501 }

```



```

14502 \newcommand\RTLmulticolcolumns
14503   {\let\bidicol@multicol@align@columns
14504     \RTL@column@boxes}
14505 \newcommand\LTRmulticolcolumns
14506   {\let\bidicol@multicol@align@columns
14507     \LTR@column@boxes}
14508 \newcommand\bidicol@multicol@align@columns
14509   {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14510 \def\multicols#1{\col@number#1\relax
14511   \ifnum\col@number<\tw@
14512     \PackageWarning{multicol}%
14513       {Using `~\number\col@number'
14514         columns doesn't seem a good idea.^^J
14515         I therefore use two columns instead}%
14516     \col@number\tw@ \fi
14517   \ifnum\col@number>10
14518     \PackageError{multicol}%
14519       {Too many columns}%
14520     {Current implementation doesn't
14521       support more than 10 columns.%
14522     \MessageBreak
14523     I therefore use 10 columns instead}%
14524     \col@number10 \fi
14525   \ifx\@footnotetext\mult@footnotetext\else
14526     \let\orig@footnotetext\@footnotetext
14527     \let\@footnotetext\mult@footnotetext
14528   \fi
14529   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14530     \let\orig@LTRfootnotetext\@LTRfootnotetext
14531     \let\@LTRfootnotetext\mult@LTRfootnotetext
14532   \fi
14533   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14534     \let\orig@RTLfootnotetext\@RTLfootnotetext
14535     \let\@RTLfootnotetext\mult@RTLfootnotetext
14536   \fi
14537   \@ifnextchar[\mult@cols{\mult@cols[]}]
14538 \long\def\mult@footnotetext#1{\begingroup
14539   \hsize\textwidth
14540   \columnwidth\textwidth
14541   \orig@footnotetext{#1}\endgroup}
14542 \long\def\mult@LTRfootnotetext#1{\begingroup
14543   \hsize\textwidth
14544   \columnwidth\textwidth
14545   \orig@LTRfootnotetext{#1}\endgroup}
14546 \long\def\mult@RTLfootnotetext#1{\begingroup
14547   \hsize\textwidth
14548   \columnwidth\textwidth
14549   \orig@RTLfootnotetext{#1}\endgroup}
14550 \def\right@footnoterule{%
14551   \kern-3\p@

```



```

14552 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14553 \kern2.6\p@}
14554 \def\textwidth@footnoterule{\kern-3\p@
14555 \hrule \@width \textwidth \kern 2.6\p@}

```

84 File multienum-xetex-bidi.def

```

14556 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
14557 \renewcommand{\itemx}[1]{\parbox[t]{%
14558 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14559 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14560 \renewcommand{\itemxx}[2]{\parbox[t]{%
14561 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14562 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14563 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14564 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
14565 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14566 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14567 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14568 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
14569 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
14570 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14571 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
14572 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
14573 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14574 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14575 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14576 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14577 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14578 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
14579 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14580 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
14581 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
14582 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14583 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
14584 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14585 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
14586 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14587 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
14588 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14589 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
14590 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14591 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
14592 \renewcommand{\itemxox}[2]{\parbox[t]{%
14593 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14594 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14595 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14596 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
14597 \renewcommand{\itemxox}[2]{\parbox[t]{%
14598 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

14599 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
14600 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14601 \parbox[t]{\remainxxx}{\bidi@raggedright #2}\smallskip}
14602 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14603 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14604 \parbox[t]{\remainxxx}{\bidi@raggedright #1}\hfill%
14605 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14606 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14607 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14608 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14609 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14610 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14611 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14612 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14613 \parbox[t]{\remainxxx}{\bidi@raggedright #2}\hfill%
14614 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14615 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14616 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14617 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14618 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14619 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14620 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14621 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14622 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

85 File natbib-xetex-bidi.def

```

14623 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X]
14624 \renewenvironment{thebibliography}[1]{%
14625 \bibsection
14626 \parindent\z@
14627 \bibpreamble
14628 \bibfont
14629 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14630 \bidi@thebibliography@font@hook%
14631 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14632 \ifNAT@openbib
14633 \renewcommand\newblock{\par}%
14634 \else
14635 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
14636 \fi
14637 \sloppy\clubpenalty4000\widowpenalty4000
14638 \sfcode`\.\@m
14639 \let\NAT@bibitem@first@sw\@firstoftwo
14640 \let\citeN\cite \let\shortcite\cite
14641 \let\citeasnoun\cite
14642 }{%
14643 \bibitem@fin
14644 \bibpostamble
14645 \def\@noitemerr{%

```



```

14646 \PackageWarning{natbib}{Empty `thebibliography' environment}%
14647 }%
14648 \endlist
14649 \bibcleanup
14650 }%

```

86 File newfloat-xetex-bidi.def

```

14651 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
14652 \renewcommand*{\newfloat@setwithin}[2]{%
14653   \ifcsname c@chapter\endcsname
14654     \@removefromreset{#1}{chapter}%
14655   \fi
14656   \@removefromreset{#1}{section}%
14657   \edef\@tempa{#2}%
14658   \ifx\@tempa\@empty
14659     \def\@tempa{none}%
14660   \fi
14661   \def\@tempb{none}%
14662   \ifx\@tempa\@tempb
14663     \ifcsname c@chapter\endcsname
14664       \@chapterlistsgap@off{#1}%
14665     \fi
14666     \newfloat@@setwithin{#1}{-}{-}%
14667   \else
14668     \def\@tempb{chapter}%
14669     \ifx\@tempa\@tempb
14670       \@addtoreset{#1}{chapter}%
14671       \@chapterlistsgap@on{#1}%
14672       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14673     \else
14674       \def\@tempb{section}%
14675       \ifx\@tempa\@tempb
14676         \@addtoreset{#1}{section}%
14677         \ifcsname c@chapter\endcsname
14678           \@addtoreset{#1}{chapter}%
14679           \@chapterlistsgap@on{#1}%
14680           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14681         \else
14682           \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
14683         \fi
14684       \else
14685         \newfloat@Error{Invalid value `#2' for option `within'}%
14686       \fi
14687     \fi
14688   \fi}

```

87 File ntheorem-xetex-bidi.def

```

14689 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]

```



```

14690 \gdef\@thm#1#2#3{%
14691   \if@thmmarks
14692     \stepcounter{end\InTheoType ctr}%
14693   \fi
14694   \renewcommand{\InTheoType}{#1}%
14695   \if@thmmarks
14696     \stepcounter{curr#1ctr}%
14697     \setcounter{end#1ctr}{0}%
14698   \fi
14699   \refstepcounter{#2}%
14700   \theorem@prework
14701   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14702   \ifvmode \advance\thm@topsepadd\partopsep\fi
14703   \trivlist
14704   \@topsep \theorempreskipamount
14705   \@topsepadd \thm@topsepadd % used by \@endparenv
14706   \advance\linewidth -\theorem@indent
14707   \advance\@totalleftmargin \theorem@indent
14708   \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14709   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

88 File ntheorem-hyper-xetex-bidi.def

```

14710 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
14711 \gdef\@thm#1#2#3{%
14712   \if@thmmarks
14713     \stepcounter{end\InTheoType ctr}%
14714   \fi
14715   \renewcommand{\InTheoType}{#1}%
14716   \if@thmmarks
14717     \stepcounter{curr#1ctr}%
14718     \setcounter{end#1ctr}{0}%
14719   \fi
14720   \refstepcounter{#2}%
14721   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14722   \ifvmode \advance\thm@topsepadd\partopsep\fi
14723   \trivlist
14724   \@topsep \theorempreskipamount
14725   \@topsepadd \thm@topsepadd % used by \@endparenv
14726   \advance\linewidth -\theorem@indent
14727   \advance\@totalleftmargin \theorem@indent
14728   \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14729   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

89 File overpic-xetex-bidi.def

```

14730 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package fo
14731 \renewenvironment{overpic}[2][\]{%
14732   \sbox{\z@}{\includegraphics[#1]{#2}}%
14733   \settodepth{\@tempcnta}{\usebox{\z@}}%

```




```

14734 \settoheight{\@tempcntb}{\usebox{\z@}}%
14735 \advance\@tempcntb\@tempcnta%
14736 \settowidth{\@tempcnta}{\usebox{\z@}}%
14737 \setlength{\@tempdima}{\unitlength}%
14738 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14739 %
14740 \OVP@calc%
14741 %
14742 \begin{picture}(\@tempcnta,\@tempcntb)%
14743   \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14744   \ifGin@grid%
14745     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14746       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14747   \fi\fi%
14748   % reset the graphics parameter
14749   \let\Gin@outer@scalex\relax
14750   \let\Gin@outer@scaley\relax
14751   \let\Gin@angle\relax
14752   \let\Gin@ewidth\Gin@exclamation
14753   \let\Gin@eheight\Gin@ewidth
14754   \def\Gin@scalex{1}
14755   \let\Gin@scaley\Gin@exclamation
14756 }{%
14757   \ifRTL\ifGin@grid%
14758     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14759       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14760   \fi%
14761   \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14762 \end{picture}%
14763 }%

```

90 File pdfbase-xetex-bidi.def

```

14764 \ProvidesFile{pdfbase-xetex-bidi.def}[2017/08/27 v0.1 bidi adaptations for pdfbase package for
14765 \ExplSyntaxOn
14766 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
14767 \cs_set_nopar:Npn\@outputpage{
14768   \int_gincr:N\g_pbs_page_int
14769   \iow_now:Nx\@mainaux{
14770     \token_to_str:N\pbs@newkey{\pbs@last@page}{\int_use:N\g_pbs_page_int}
14771   }
14772   \box_if_vertical:cTF{\@outputbox}{
14773     \bool_set_true:N\l_pbs_is_vertical_bool
14774   }{
14775     \bool_set_false:N\l_pbs_is_vertical_bool
14776   }
14777   \hbox_set:Nn\@outputbox{
14778     %begin of page
14779     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
14780     \box_use_clear:N\@outputbox

```



```

14781 %end of page
14782 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
14783 %end of dvi
14784 \int_compare:nT{\pbs@last@page=\g_pbs_page_int}{
14785   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eod_seq{##1}}
14786 }
14787 }
14788 \bool_if:NT\l_pbs_is_vertical_bool{
14789   \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
14790 }
14791 %insert /Properties into current page's resources
14792 \pbs_insert_properties_entry:
14793 \pbs_outputpage_orig:
14794 }
14795 \ExplSyntaxOff

```

91 File pdfpages-xetex-bidi.def

```

14796 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
14797 \renewcommand*{\includepdf}[2][{}]{%
14798   \begingroup
14799   \@RTLfalse
14800   \let\AM@threadname\relax
14801   \AM@split@options{pdfpages}{#1}%
14802   \edef\AM@temp{\pdfpages}{\the\@temptokena}}%
14803   \expandafter\setkeys\AM@temp
14804   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
14805     \let\AM@currentdocname\relax
14806     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
14807     \def\AM@pagecount{0}%
14808   }{%
14809     \AM@findfile{#2}%
14810     \if\AM@threadname\relax
14811       \def\AM@threadname{\AM@currentdocname}%
14812     \fi
14813   }%
14814   \ifAM@survey
14815     \def\AM@pagestemp{}%
14816     \@tempcnta=0
14817     \def\foo{%
14818       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
14819       {\let\foo\relax}
14820       {\expandafter\ifx\expandafter\\AM@pagestemp\
14821         \edef\AM@pagestemp{%
14822           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
14823     \else
14824       \edef\AM@pagestemp{\AM@pagestemp,%
14825         \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14826     \fi
14827     \advance\@tempcnta 1\relax

```



```

14828     }%
14829     \foo
14830   }%
14831   \foo
14832   \expandafter\ifx\expandafter\\AM@pagestemp\\
14833     \def\AM@pagestemp{1}%
14834   \fi
14835 \fi
14836 \ifAM@output
14837   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
14838   \AM@output{#1}%
14839 \fi
14840 \AM@CheckAtEnd
14841 \endgroup
14842 \AM@ClearShipoutPicture
14843 }

```

92 File pgfcorescopes.code-xetex-bidi.def

```

14844 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
14845 \def\pgfpicture{%
14846   \begingroup%
14847   \ifmmode\else\@RTLfalse\beginL\fi%
14848   \pgfpicturetrue%
14849   \global\advance\pgf@picture@serial@count by1\relax%
14850   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
14851   \let\pgf@nodecallback=\pgfutil@gobble%
14852   \pgf@picmaxx=-16000pt\relax%
14853   \pgf@picminx=16000pt\relax%
14854   \pgf@picmaxy=-16000pt\relax%
14855   \pgf@picminy=16000pt\relax%
14856   \pgf@relevantforpicturesizetrue%
14857   \pgf@resetpathsizes%
14858   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
14859 \def\endpgfpicture{%
14860   \ifpgfrememberpicturepositiononpage%
14861     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
14862   \fi%
14863   % ok, now let's position the box
14864   \ifdim\pgf@picmaxx=-16000pt\relax%
14865     % empty picture. make size 0.
14866     \global\pgf@picmaxx=0pt\relax%
14867     \global\pgf@picminx=0pt\relax%
14868     \global\pgf@picmaxy=0pt\relax%
14869     \global\pgf@picminy=0pt\relax%
14870   \fi%
14871   % Shift baseline outside:
14872   \pgf@relevantforpicturesizefalse%
14873   \pgf@process{\pgf@baseline}%
14874   \xdef\pgf@shift@baseline{\the\pgf@y}%

```



```

14875      %
14876      \pgf@process{\pgf@trimleft}%
14877      \global\advance\pgf@x by-\pgf@picminx
14878      % prepare \hskip\pgf@trimleft@final.
14879      % note that \pgf@trimleft@final is also queried
14880      % by the pgf image externalization.
14881      \xdef\pgf@trimleft@final{-\the\pgf@x}%
14882      %
14883      \pgf@process{\pgf@trimright}%
14884      \global\advance\pgf@x by-\pgf@picmaxx
14885      % prepare \hskip\pgf@trimright@final.
14886      % note that \pgf@trimright@final is also queried
14887      % by the pgf image externalization.
14888      \xdef\pgf@trimright@final{\the\pgf@x}%
14889      %
14890      \pgf@remember@layerlist@globally
14891      \endgroup%
14892      \hss%
14893      \egroup%
14894      \pgf@restore@layerlist@from@global
14895      \pgf@insertlayers%
14896      \endgroup%
14897      \pgfsys@discardpath%
14898      \endgroup%
14899      \pgfsys@endscope%
14900      \pgfsys@endpicture%
14901      \endgroup%
14902      \hss
14903      \egroup%
14904      \pgfsys@typesetpicturebox\pgfpic%
14905      \ifmmode\else\endL\fi%
14906      \endgroup%
14907  }

```

93 File picinpar-xetex-bidi.def

```

14908 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
14909 \long\def\@makewincaption#1#2{%
14910   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
14911   \ifdim\wd\@tempboxa>\picwd
14912     {\footnotesize{\bf #1:\enspace}{#2\par}}
14913   \else
14914     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14915   \fi}
14916 \def\endwindow{%
14917   \global\tcd=\tcdsav
14918   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14919   \vbadness=10000
14920   \splittopskip=0pt
14921 %

```



```

14922 % Typeset the lines above the window
14923 %
14924 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14925 \tcn=\tcd
14926 \loop\advance\tcn -1
14927 \setbox\fslice=\vsplit\holder to\baselineskip
14928 \prune\fslice\linewidth
14929 \topheight=0pt
14930 \ifnum\dp\fslice>\dp\wstrutbox
14931     \advance\topheight-\dp\fslice
14932     \advance\topheight\dp\wstrutbox
14933     \advance\topheight\ilg\fi
14934 \hbox to\linewidth{\box\fslice}
14935 \vskip-\topheight
14936 \ifdim\ht\holder>0pt\repeat
14937 \fi
14938 %
14939 % Now we build the boxes beside the window
14940 %
14941 \global\topheight=\tcl\baselineskip
14942 \ifnum\cumpartcl>0\global\tcl=\cumtcl
14943     \global\topheight=\vpic
14944 \fi
14945 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
14946 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14947 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14948 \tcn=\tcl \na=0 \nb=0
14949 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14950 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14951 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
14952 \ifnum\na=0\ifnum\nb=0
14953     \setbox\waslice=\vbox to\vpic{\vss}
14954     \setbox\wbslice=\vbox to\vpic{\vss}
14955     \bl=1\br=1
14956     \vskip\ilg
14957 \fi\fi
14958 %
14959 % both sides
14960 %
14961 \ifnum\na>0 \ifnum\nb>0
14962 \loop\advance\nb -1
14963 \advance\na -1
14964 \if@RTL%
14965 \setbox\bslice=\vsplit\holder to\baselineskip
14966 \prune\bslice\rtside
14967 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14968 to\rtside{\box\bslice\hfil}}
14969 \setbox\aslice=\vsplit\holder to\baselineskip
14970 \prune\aslice\lftside
14971 \setbox\waslice=\vbox{\unvbox\waslice\hbox

```



```

14972 to\lftside{\box\aslice\hfil}}
14973 \else%
14974 \setbox\aslice=\vsplit\holder to\baselineskip
14975 \prune\aslice\lftside
14976 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14977 to\lftside{\box\aslice\hfil}}
14978 \setbox\bslice=\vsplit\holder to\baselineskip
14979 \prune\bslice\rtside
14980 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14981 to\rtside{\box\bslice\hfil}}
14982 \fi%
14983 \ifnum\nb>0\repeat
14984 \fi\fi
14985 %
14986 % only text on the left side
14987 %
14988 \ifnum\na>0
14989   \loop\advance\na -1
14990   \setbox\aslice=\vsplit\holder to\baselineskip
14991   \prune\aslice\lftside
14992   \setbox\waslice=\vbox{\unvbox\waslice\hbox
14993   to\lftside{\box\aslice\hfil}}
14994   \ifdim\ht\holder>0pt\repeat
14995 \fi
14996 %
14997 % only text on the right side
14998 %
14999 \ifnum\nb>0
15000   \loop\advance\nb -1
15001   \setbox\bslice=\vsplit\holder to\baselineskip
15002   \prune\bslice\rtside
15003   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15004   to\rtside{\box\bslice\hfil}}
15005   \ifdim\ht\holder>0pt\repeat
15006 \fi
15007 %
15008 % fixing the dimensions of the window part
15009 %
15010 \ifnum\bl=0\topheight=\ht\wbslice
15011 \else\ifnum\br=0\topheight=\ht\waslice
15012   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15013   \else\topheight=\ht\wbslice\fi\fi\fi
15014 %
15015 % ship out the window material to the main vertical list
15016 %
15017 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15018 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15019 \fi\fi\fi
15020 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15021 \ifnum\bl>0\box\waslice\hfill\fi%

```



```

15022 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15023 \vfill\unvbox\picbox%
15024 \ifnum\picwd>0\vfill\fi%
15025 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15026 \unvbox\windowbox%
15027 \loop
15028 \setbox\bslice=\vsplit\rawtext to\baselineskip
15029 \prune\bslice\linewidth
15030 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15031 \unvbox\wbslice
15032 \ifdim\ht\rawtext>0pt
15033 \repeat
15034 }% FINITO

```

94 File plain-xetex-bidi.def

```

15035 \def\TeXXeTOn{\TeXXeTstate=1 }
15036 \def\TeXXeTOff{\TeXXeTstate=0 }
15037 \TeXXeTOn
15038 \def\usebox#1{\leavevmode\copy #1\relax}
15039 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
15040 \let\bidi@o@everypar=\everypar
15041 \newtoks\bidi@n@everypar
15042 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15043 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15044 \let\everypar=\bidi@n@everypar
15045 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15046 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15047 \protected\def\hboxR{\hbox\bgroup
15048 \everyhbox{%
15049 \aftergroup\egroup
15050 \everyhbox{}}%
15051 \beginR
15052 \@hboxRconstructtrue
15053 \bgroup
15054 \aftergroup\endR
15055 \aftergroup\egroup
15056 }\hbox}
15057 \protected\def\hboxL{\hbox\bgroup
15058 \everyhbox{%
15059 \aftergroup\egroup
15060 \everyhbox{}}%
15061 \beginL
15062 \@hboxRconstructfalse
15063 \bgroup
15064 \aftergroup\endL
15065 \aftergroup\egroup
15066 }\hbox}
15067 \protected\def\vboxR{\vbox\bgroup
15068 \everyvbox{%

```



```

15069 \aftergroup\egroup
15070 \everyvbox{}%
15071 \@RTLtrue
15072 \bgroup
15073 \aftergroup\egroup
15074 }\vbox}
15075 \protected\def\vboxL{\vbox\bgroup
15076 \everyvbox{%
15077 \aftergroup\egroup
15078 \everyvbox{}%
15079 \@RTLfalse
15080 \bgroup
15081 \aftergroup\egroup
15082 }\vbox}
15083 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15084 \def\endLTR{\par}
15085 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15086 \def\endRTL{\par}
15087 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15088 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15089 \let\unsetRTL=\setLTR
15090 \let\unsetLTR=\setRTL
15091 \let\LR=\LRE
15092 \let\RL=\RLE
15093 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15094 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15095 \let\@ensure@RL=\@ensure@RTL
15096 \let\@ensure@LR=\@ensure@LTR
15097 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15098 \let\@ensure@maindir=\@ensure@dir
15099 \def\@@RTL{RTL}
15100 \def\@@LTR{LTR}
15101 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
15102 \def\reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi\fi}
15103 \let\@@TeX\TeX
15104 \def\TeX{\@ensure@LTR{\@@TeX}}
15105 \long\def\@bidi@reflect@box#1{%
15106 \leavevmode
15107 \setbox\z@\hbox{#1}}%
15108 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15109 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15110 }
15111 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
15112 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em\TeX}}$}}
15113 \let\setRL=\setRTL
15114 \let\setLR=\setLTR
15115 \let\unsetRL=\setLTR
15116 \let\@bidi@saved@eqno=\eqno
15117 \let\@bidi@saved@leqno=\leqno
15118 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}

```




```

15119 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
15120 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15121 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15122 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

95 File pstricks-xetex-bidi.def

```

15123 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15124 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15125 \def\endpspicture{%
15126   \ifshowgrid\ifnum\showgridp>0
15127     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15128   \pst@killglue
15129 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
15130   \endgroup
15131   \egroup
15132   \ifdim\wd\pst@hbox=\z@ \else
15133     %\@pstrickserr{Extraneous space in the pspicture environment}%
15134     %\Type \space <return> \space to proceed.}%
15135   \fi
15136   \ht\pst@hbox=\pst@dimd
15137   \dp\pst@hbox=-\pst@dimb
15138   \setbox\pst@hbox=\hbox{%
15139     \kern-\pst@dimd
15140 %   Orig version -----
15141 %\ifx\pst@tempa\@empty\else
15142 %\advance\pst@dimd-\pst@dimb
15143 %\pst@dimd=\pst@tempa\pst@dimd
15144 %\advance\pst@dimd\pst@dimb
15145 %\lower\pst@dimd
15146 %\fi
15147 %---- end Orig
15148   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift==
15149     \advance\pst@dimd-\pst@dimb
15150     \pst@dimd=0.5\pst@dimd
15151   \else\pst@dimd-\pst@shift\fi
15152   \advance\pst@dimd\pst@dimb
15153   \lower\pst@dimd
15154   \box\pst@hbox
15155   \kern\pst@dimc}%
15156 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15157 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15158 \fboxsep=0pt
15159 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15160 \ifmmode\else\endL\fi
15161 \endgroup%
15162 \psset[pstricks]{shift=0}% reset value
15163 }

```



96 File quotchap-xetex-bidi.def

```

15164 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15165 \renewcommand{\qauthor}[1]{%
15166   \par\smallskip
15167   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}\par}\bigskip}
15168 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15169   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15170     {\chapnumfont
15171       \ifnum \c@secnumdepth >\m@ne%
15172       \if@mainmatter\thechapter%
15173       \fi\fi
15174       \par\nobreak}%
15175     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10\p
15176     \nobreak\chapterheadendvskip}}
15177 \renewcommand*{\@iprintcites}{%
15178   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15179   \global\let\@printcites\relax}

```

97 File ragged2e-xetex-bidi.def

```

15180 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
15181 \renewcommand{\Centering}{%
15182   \ifx\\ \@raggedtwoe@savedcr
15183     \let\\ \@centercr
15184   \fi
15185   \let\@gnewline\@raggedtwoe@gnewline
15186   \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
15187   \@rightskip\CenteringRightskip
15188   \if@RTL\leftskip\else\rightskip\fi\@rightskip
15189   \parfillskip\CenteringParfillskip
15190   \parindent\CenteringParindent
15191   \@raggedtwoe@spaceskiptrue
15192   \@raggedtwoe@everyselectfont
15193 }
15194 \renewcommand{\RaggedLeft}{%
15195   \ifx\\ \@raggedtwoe@savedcr
15196     \let\\ \@centercr
15197   \fi
15198   \let\@gnewline\@raggedtwoe@gnewline
15199   \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
15200   \@rightskip\RaggedLeftRightskip
15201   \if@RTL\leftskip\else\rightskip\fi\@rightskip
15202   \parfillskip\RaggedLeftParfillskip
15203   \parindent\RaggedLeftParindent
15204   \@raggedtwoe@spaceskiptrue
15205   \@raggedtwoe@everyselectfont
15206 }
15207 \renewcommand{\RaggedRight}{%
15208   \ifx\\ \@raggedtwoe@savedcr

```



```

15209     \let\\\@centercr
15210 \fi
15211 \let\@gnewline\@raggedtwoe@gnewline
15212 \if@RTL\rightright\else\leftskip\fi\RaggedRightLeftskip
15213 \@rightskip\RaggedRightRightskip
15214 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15215 \parfillskip\RaggedRightParfillskip
15216 \parindent\RaggedRightParindent
15217 \@raggedtwoe@spaceskiptrue
15218 \@raggedtwoe@everyselectfont
15219 }
15220 \renewcommand{\justifying}{%
15221 \let\\\@raggedtwoe@savedcr
15222 \let\@gnewline\@raggedtwoe@saved@gnewline
15223 \if@RTL\rightright\else\leftskip\fi\z@
15224 \@rightskip\z@
15225 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15226 \parfillskip\JustifyingParfillskip
15227 \parindent\JustifyingParindent
15228 \@raggedtwoe@spaceskipfalse
15229 \@raggedtwoe@everyselectfont
15230 }
15231 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{%
15232 \CheckCommand*{\@arrayparboxrestore}{%
15233 \let\if@nobreak\iffalse
15234 \let\if@noskipsec\iffalse
15235 \let\par\@par
15236 \let\-\@dischyph
15237 \let'\@acci\let\`\@accii\let\=\@acciii
15238 \parindent\z@ \parskip\z@skip
15239 \everypar{}%
15240 \linewidth\hsize
15241 \@totalleftmargin\z@
15242 \if@RTL\rightright\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
15243 \parfillskip\@flushglue \lineskip\normallineskip
15244 \baselineskip\normalbaselineskip
15245 \sloppy}%
15246 \renewcommand{\@arrayparboxrestore}{%
15247 \let\if@nobreak\iffalse
15248 \let\if@noskipsec\iffalse
15249 \let\par\@par
15250 \let\-\@dischyph
15251 \let'\@acci\let\`\@accii\let\=\@acciii
15252 \parskip\z@skip
15253 \everypar{}%
15254 \linewidth\hsize
15255 \@totalleftmargin\z@
15256 \RaggedRight
15257 \lineskip\normallineskip
15258 \baselineskip\normalbaselineskip

```



```

15259 \sloppy}%
15260 \let\@raggedtwoe@raggedrightboxes@opt\relax
15261 }
15262 \let\origin@RaggedLeft=\RaggedLeft
15263 \let\origin@RaggedRight=\RaggedRight
15264 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15265 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

98 File rapport1-xetex-bidi.def

```

15266 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15267 \renewenvironment{theindex}{%
15268 \if@twocolumn
15269 \@restonecolfalse
15270 \else
15271 \@restonecoltrue
15272 \fi
15273 \columnseprule \z@
15274 \columnsep 35\p@
15275 \twocolumn[\@makeschapterhead{\indexname}]{%
15276 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
15277 \thispagestyle{plain}\parindent\z@
15278 \parskip\z@ \@plus .3\p@\relax
15279 \let\item\@idxitem
15280 }{%
15281 \if@restonecol\onecolumn\else\clearpage\fi}
15282 \renewcommand*{\head@style}{%
15283 \interlinepenalty \@M
15284 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15285 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15286 \if@titlepage
15287 \renewenvironment{abstract}{%
15288 \titlepage
15289 \null\vfil
15290 \section*{\SectFont\abstractname}%
15291 \noindent\ignorespaces
15292 {\par\vfil\null\endtitlepage}
15293 \else
15294 \renewenvironment{abstract}{%
15295 \if@twocolumn
15296 \section*{\abstractname}%
15297 \else
15298 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15299 \section*{\small\SectFont\abstractname}%
15300 \noindent\ignorespaces
15301 \fi}
15302 {\if@twocolumn\else\par\egroup\fi}
15303 \fi
15304 \renewcommand*{\@regtocline}[3]{%
15305 \ifnum #1>\c@tocdepth

```



```

15306 \else
15307   \vskip\z@\@plus.2\p@
15308   {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15309    \if@RTL\righskip\else\leftskip\fi\unitindent
15310    \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15311    \parfillskip\z@
15312    \@tempdima\unitindent
15313    \parindent\z@
15314    \leavevmode
15315    \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15316    \hskip 1em \nobreak{\slshape #3}\par
15317   }%
15318 \fi}
15319 \if@oldtoc
15320 \renewcommand*\l@part[2]{%
15321   \ifnum \c@tocdepth >-2\relax
15322     \addpenalty{-\@highpenalty}%
15323     \addvspace{2.25em \@plus\p@}%
15324     \begingroup
15325       \setlength\@tempdima{3em}%
15326       \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15327       \parfillskip -\@pnumwidth
15328       {\leavevmode
15329        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15330        \nobreak
15331        \global\@nobreaktrue
15332        \everypar{\global\@nobreakfalse\everypar{}}%
15333      \endgroup
15334   \fi}
15335 \else
15336   \renewcommand*\l@part{%
15337     \ifnum \c@tocdepth >-2\relax
15338       \addpenalty{-\@highpenalty}%
15339       \addvspace{2.25em \@plus\p@}%
15340       \@regtocline{0}%
15341     \fi}
15342 \fi
15343 \if@oldtoc
15344 \renewcommand*\l@chapter[2]{%
15345   \addpenalty{-\@highpenalty}%
15346   \vskip 1.0em \@plus\p@
15347   \setlength\@tempdima{1.5em}%
15348   \begingroup
15349     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15350     \parfillskip -\@pnumwidth
15351     \leavevmode \bfseries
15352     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
15353     \hskip -\if@RTL\righskip\else\leftskip\fi
15354     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15355     \penalty\@highpenalty

```



```

15356 \endgroup}
15357 \else
15358 \renewcommand*\l@chapter{\@regtocline{0}}
15359 \fi
15360 \renewcommand*\left@footnoterule{%
15361 \kern-3\p@
15362 \kern.5\baselineskip
15363 \hrule\@width\unitindent
15364 \kern.4\baselineskip
15365 }
15366 \renewcommand*\right@footnoterule{%
15367 \kern-3\p@
15368 \kern.5\baselineskip
15369 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15370 \kern.4\baselineskip}
15371 \renewenvironment{thebibliography}[1]
15372 {\chapter*{\bibname}%
15373 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15374 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15375 \bidi@thebibliography@font@hook%
15376 \list{\@biblabel{\@arabic\c@enumiv}}%
15377 {\settowidth\labelwidth{\@biblabel{#1}}%
15378 \leftmargin\labelwidth
15379 \advance\leftmargin\labelsep
15380 \openbib@code
15381 \usecounter{enumiv}%
15382 \let\p@enumiv\@empty
15383 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15384 \sloppy\clubpenalty4000\widowpenalty4000%
15385 \sfcode`.\@m}
15386 {\def\@noitemerr
15387 {\@latex@warning{Empty `thebibliography' environment}}%
15388 \endlist}
15389 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15390 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
15391 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
15392 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
15393 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
15394 \renewcommand*\theequation{%
15395 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15396 \renewcommand*\thefigure{%
15397 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15398 \renewcommand*\thetable{%
15399 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15400 \if@titlepage
15401 \renewcommand*\TitleFont{\rmfamily}
15402 \renewcommand*\maketitle{%
15403 \begin{titlepage}%
15404 \let\footnotesize\small
15405 \let\right@footnoterule\relax

```



```

15406 \let\left@footnoterule\relax
15407 \let\textwidth@footnoterule\relax
15408 \let \footnote \thanks
15409 \long\def\@makefntext##1{\parindent\z@
15410 \def\labelitemi{\textendash}\@revlabeltrue
15411 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15412 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15413 \if@compatibility\setcounter{page}{0}\fi
15414 \null\vfil
15415 \vskip 60\p@
15416 \begin{center}%
15417 \TitleFont
15418 {\LARGE \def\\{\penalty -\@M}
15419 \if@allcaps
15420 \expandafter\uc@nothanks\@title\thanks\relax
15421 \else
15422 \@title
15423 \fi\par}%
15424 \vskip 3em%
15425 {\large
15426 \lineskip .75em \parindent\z@
15427 \begin{tabular}[t]{c}%
15428 \if@allcaps
15429 \expandafter\uc@authornothanks\@author\and\relax
15430 \else
15431 \@author
15432 \fi
15433 \end{tabular}\par}%
15434 \vskip 1.5em%
15435 {\large
15436 \if@allcaps
15437 \uppercase\expandafter{\@date}%
15438 \else
15439 \@date
15440 \fi\par}%
15441 \end{center}\par
15442 \@thanks
15443 \vfil\null
15444 \end{titlepage}%
15445 \setcounter{footnote}{0}%
15446 \global\let\thanks\relax
15447 \global\let\maketitle\relax
15448 \global\let\@thanks\@empty
15449 \global\let\@author\@empty
15450 \global\let\@title\@empty
15451 \global\let\@date\@empty
15452 \global\let\title\relax
15453 \global\let\author\relax
15454 \global\let\date\relax
15455 \global\let\and\relax

```



```

15456 }
15457 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15458 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15459   \futurelet\@tempa\uc@ax}
15460 \def\uc@ax{%
15461   \ifx\@tempa\relax
15462   \else
15463     \ \andname \ \expandafter\uc@authornothanks
15464   \fi}
15465 \def\uc@tx{\ifx\@tempa\relax
15466   \else \expandafter\uc@ty \fi}
15467 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15468 \else
15469 \renewcommand*\maketitle{\par
15470   \begingroup
15471     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15472     \def\@makefnmark{\rlap{%
15473       \@textsuperscript{\normalfont\@thefnmark}}}%
15474     \long\def\@makefntext{\@xmakefntext{%
15475       \@textsuperscript{\normalfont\@thefnmark}}}%
15476     \if@twocolumn
15477       \ifnum \col@number=\@ne
15478         \@maketitle
15479       \else
15480         \twocolumn[\@maketitle]%
15481       \fi
15482     \else
15483       \newpage
15484       \global\@topnum\z@
15485       \@maketitle
15486     \fi
15487     \thispagestyle{plain}\@thanks
15488   \endgroup
15489   \setcounter{footnote}{0}%
15490   \global\let\thanks\relax
15491   \global\let\maketitle\relax
15492   \global\let\@maketitle\relax
15493   \global\let\@thanks\@empty
15494   \global\let\@author\@empty
15495   \global\let\@title\@empty
15496   \global\let\@date\@empty
15497   \global\let\title\relax
15498   \global\let\author\relax
15499   \global\let\date\relax
15500   \global\let\and\relax
15501 }
15502 \def\@maketitle{%
15503   \newpage
15504   \null
15505   \vskip 2em%

```




```

15506 \begin{center}%
15507   \let \footnote \thanks
15508   {\LARGE \TitleFont \@title \par}%
15509   \vskip 1.5em%
15510   {\large \TitleFont
15511     \lineskip .5em%
15512     \begin{tabular}[t]{c}%
15513       \@author
15514     \end{tabular}\par}%
15515   \vskip 1em%
15516   {\large \TitleFont \@date}%
15517 \end{center}%
15518 \par
15519 \vskip 1.5em}
15520 \fi

```

99 File rapport3-xetex-bidi.def

```

15521 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
15522 \renewenvironment{theindex}{%
15523   \if@twocolumn
15524     \@restonecolfalse
15525   \else
15526     \@restonecoltrue
15527   \fi
15528   \columnseprule \z@
15529   \columnsep 35\p@
15530   \twocolumn[\@makeschapterhead{\indexname}]{%
15531     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15532     \thispagestyle{plain}\parindent\z@
15533     \parskip\z@ \@plus .3\p@\relax
15534     \let\item\@idxitem
15535   }{%
15536     \if@restonecol\onecolumn\else\clearpage\fi
15537   \if@titlepage
15538     \renewcommand*\TitleFont{\rmfamily}
15539     \renewcommand*\maketitle{%
15540       \begin{titlepage}%
15541         \let\footnotesize\small
15542         \let\right@footnoterule\relax
15543         \let\left@footnoterule\relax
15544         \let\textwidth@footnoterule\relax
15545         \let \footnote \thanks
15546         \let \LTRfootnote \LTRthanks
15547         \let \RTLfootnote \RTLthanks
15548         \long\def\@makefnmark##1{\parindent\z@
15549           \def\labelitemi{\textendash}\@revlabeltrue
15550           \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15551         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15552         \if@compatibility\setcounter{page}{0}\fi

```



```

15553 \null\vfil
15554 \vskip 60\p@
15555 \begin{center}%
15556 \TitleFont
15557 {\LARGE \def\{\{\penalty -\@M}
15558 \if@allcaps
15559 \expandafter\uc@nothanks\@title\thanks\relax
15560 \else
15561 \@title
15562 \fi\par}%
15563 \vskip 3em%
15564 {\large
15565 \lineskip .75em \parindent\z@
15566 \begin{tabular}[t]{c}%
15567 \if@allcaps
15568 \expandafter\uc@authornothanks\@author\and\relax
15569 \else
15570 \@author
15571 \fi
15572 \end{tabular}\par}%
15573 \vskip 1.5em%
15574 {\large
15575 \if@allcaps
15576 \uppercase\expandafter{\@date}%
15577 \else
15578 \@date
15579 \fi\par}%
15580 \end{center}\par
15581 \@thanks
15582 \vfil\null
15583 \end{titlepage}%
15584 \setcounter{footnote}{0}%
15585 \global\let\thanks\relax
15586 \global\let\LTRthanks\relax
15587 \global\let\RTLthanks\relax
15588 \global\let\maketitle\relax
15589 \global\let\@thanks\@empty
15590 \global\let\@author\@empty
15591 \global\let\@title\@empty
15592 \global\let\@date\@empty
15593 \global\let\title\relax
15594 \global\let\author\relax
15595 \global\let\date\relax
15596 \global\let\and\relax
15597 }
15598 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15599 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15600 \futurelet\@tempa\uc@ax}
15601 \def\uc@ax{%
15602 \ifx\@tempa\relax

```



```

15603 \else
15604   \\\ \andname \\\ \expandafter\uc@authornothanks
15605 \fi}
15606 \def\uc@tx{\ifx\@tempa\relax
15607   \else \expandafter\uc@ty \fi}
15608 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15609 \else
15610 \renewcommand*\maketitle{\par
15611   \begin{group}
15612     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15613     \def\@makefnmark{\rlap{%
15614       \@textsuperscript{\normalfont\@thefnmark}}}%
15615     \long\def\@makefnmark{\@xmakefnmark}%
15616     \@textsuperscript{\normalfont\@thefnmark}}}%
15617     \if@twocolumn
15618       \ifnum \col@number=\@ne
15619         \@maketitle
15620       \else
15621         \twocolumn[\@maketitle]%
15622       \fi
15623     \else
15624       \newpage
15625       \global\@topnum\z@
15626       \@maketitle
15627     \fi
15628     \thispagestyle{plain}\@thanks
15629   \end{group}
15630   \setcounter{footnote}{0}%
15631   \global\let\thanks\relax
15632   \global\let\LTRthanks\relax
15633   \global\let\RTLthanks\relax
15634   \global\let\maketitle\relax
15635   \global\let\@maketitle\relax
15636   \global\let\@thanks\@empty
15637   \global\let\@author\@empty
15638   \global\let\@title\@empty
15639   \global\let\@date\@empty
15640   \global\let\title\relax
15641   \global\let\author\relax
15642   \global\let\date\relax
15643   \global\let\and\relax
15644 }
15645 \def\@maketitle{%
15646   \newpage
15647   \null
15648   \vskip 2em%
15649   \if@titlecentered
15650     \begin{center}%
15651       \let \footnote \thanks
15652       \let \LTRfootnote \LTRthanks

```



```

15653 \let \RTLfootnote \RTLthanks
15654 {\LARGE \TitleFont \@title \par}%
15655 \vskip 1.5em%
15656 {\large \TitleFont
15657 \lineskip .5em%
15658 \begin{tabular}[t]{c}%
15659 \@author
15660 \end{tabular}\par}%
15661 \vskip 1em%
15662 {\large \TitleFont \@date}%
15663 \end{center}%
15664 \else
15665 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
15666 {\large \TitleFont \lineskip .5em \tabcolsep\z@
15667 \def\and{%% \begin{tabular} has already started
15668 \end{tabular}\hskip 1em plus .17fil
15669 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
15670 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
15671 \vskip 1em {\large \TitleFont \@date}
15672 \fi
15673 \par
15674 \vskip 1.5em}
15675 \fi
15676 \renewcommand*\@regtocline[3]{%
15677 \ifnum #1>\c@tocdepth
15678 \else
15679 \vskip\z@\@plus.2\p@
15680 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15681 \if@RTL\righskip\else\leftskip\fi\unitindent
15682 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15683 \parfillskip\z@
15684 \@tempdima\unitindent
15685 \parindent\z@
15686 \leavevmode
15687 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15688 \hskip 1em \nobreak{\slshape #3}\par
15689 }%
15690 \fi}
15691 \if@oldtoc
15692 \renewcommand*\l@part[2]{%
15693 \ifnum \c@tocdepth >-2\relax
15694 \addpenalty{-\@highpenalty}%
15695 \addvspace{2.25em \@plus\p@}%
15696 \begingroup
15697 \setlength\@tempdima{3em}%
15698 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15699 \parfillskip -\@pnumwidth
15700 {\leavevmode
15701 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15702 \nobreak

```



```

15703         \global\@nbreaktrue
15704         \everypar{\global\@nbreakfalse\everypar{}}%
15705     \endgroup
15706 \fi}
15707 \else
15708     \renewcommand*\l@part{%
15709         \ifnum \c@tocdepth >-2\relax
15710             \addpenalty{-\@highpenalty}%
15711             \addvspace{2.25em \@plus \p@}%
15712             \@regtocline{0}%
15713         \fi}
15714 \fi
15715 \if@oldtoc
15716 \renewcommand*\l@chapter[2]{%
15717     \addpenalty{-\@highpenalty}%
15718     \vskip 1.0em \@plus\p@
15719     \setlength\@tempdima{1.5em}%
15720     \begingroup
15721     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15722     \parfillskip -\@pnumwidth
15723     \leavevmode \bfseries
15724     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15725     \hskip -\if@RTL\rightskip\else\leftskip\fi
15726     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15727     \penalty\@highpenalty
15728     \endgroup}
15729 \else
15730     \renewcommand*\l@chapter{\@regtocline{0}}
15731 \fi
15732 \renewcommand*\head@style{%
15733     \interlinepenalty \@M
15734     \hyphenpenalty=\@M \exhyphenpenalty=\@M
15735     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15736 \if@titlepage
15737     \renewenvironment{abstract}{%
15738         \titlepage
15739         \null\vfil
15740         \section*{\SectFont\abstractname}%
15741         \noindent\ignorespaces}
15742     {\par\vfil\null\endtitlepage}
15743 \else
15744     \renewenvironment{abstract}{%
15745         \if@twocolumn
15746             \section*{\abstractname}%
15747         \else
15748             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15749             \section*{\small\SectFont\abstractname}%
15750             \noindent\ignorespaces
15751         \fi}
15752     {\if@twocolumn\else\par\egroup\fi}

```



```

15753 \fi
15754 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15755 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15756 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15757 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15758 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15759 \renewcommand*\thefigure{%
15760   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15761 \renewcommand*\thetable{%
15762   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15763 \renewcommand*\theequation{%
15764   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15765 \renewenvironment{thebibliography}[1]
15766   {\chapter*{\bibname}%
15767     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15768     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15769     \bidi@thebibliography@font@hook%
15770     \list{\@biblabel{\@arabic\c@enumiv}}%
15771       {\settowidth\labelwidth{\@biblabel{#1}}%
15772        \leftmargin\labelwidth
15773        \advance\leftmargin\labelsep
15774        \@openbib@code
15775        \usecounter{enumiv}%
15776        \let\p@enumiv\@empty
15777        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15778     \sloppy\clubpenalty4000\widowpenalty4000%
15779     \sfcode`\.\@m}
15780 {\def\@noitemerr
15781   {\@latex@warning{Empty `thebibliography' environment}}%
15782   \endlist}
15783 \renewcommand*\left@footnoterule{%
15784   \kern-3\p@
15785   \kern.5\baselineskip
15786   \hrule\@width\unitindent
15787   \kern.4\baselineskip
15788 }
15789 \renewcommand*\right@footnoterule{%
15790   \kern-3\p@
15791   \kern.5\baselineskip
15792   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15793   \kern.4\baselineskip}
15794 \renewcommand*\head@style{%
15795   \interlinepenalty \@M
15796   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15797   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

100 File refrep-xetex-bidi.def

```

15798 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for Xe
15799 \if@titlepage

```



```

15800 \renewcommand\maketitle{\begin{titlepage}%
15801 \let\footnotesize\small
15802 \let\right@footnoterule\relax
15803 \let\left@footnoterule\relax
15804 \let\textwidth@footnoterule\relax
15805 \let\footnote\thanks
15806 \let\LTRfootnote\LTRthanks
15807 \let\RTLfootnote\RTLthanks
15808 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15809 \def\@makefnmark%
15810 { \rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15811 \long\def\@makefntext##1{%
15812 \setpar{\@par
15813 \tempdima = \hspace
15814 \advance\tempdima -1em
15815 \parshape \@ne 1em \tempdima}%
15816 \par\parindent 1em \noindent
15817 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15818 \null\vfil
15819 \vskip 60\p@
15820 \begin{center}%
15821 {\LARGE \@title \par}%
15822 \vskip 3em%
15823 {\large
15824 \lineskip .75em%
15825 \begin{tabular}[t]{c}%
15826 \@author
15827 \end{tabular}\par}%
15828 \vskip 1.5em%
15829 {\large \@date \par}% % Set date in \large size.
15830 \end{center}\par
15831 \@thanks
15832 \vfil\null
15833 \end{titlepage}%
15834 \setcounter{footnote}{0}%
15835 \global\let\thanks\relax
15836 \global\let\LTRthanks\relax
15837 \global\let\RTLthanks\relax
15838 \global\let\maketitle\relax
15839 \global\let\@thanks\@empty
15840 \global\let\@author\@empty
15841 \global\let\@date\@empty
15842 \global\let\@title\@empty
15843 \global\let\title\relax
15844 \global\let\author\relax
15845 \global\let\date\relax
15846 \global\let\and\relax
15847 }
15848 \else
15849 \renewcommand\maketitle{\par

```



```

15850 \begingroup
15851 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15852 \def\@makefnmark%
15853 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15854 \long\def\@makefntext##1{%
15855 \setpar{\@par
15856 \tempdima = \hsize
15857 \advance\tempdima -1em
15858 \parshape \@ne 1em \tempdima}%
15859 \par\parindent 1em \noindent
15860 \hb@xt@\z@\hss\@textsuperscript{\normalfont\@thefnmark}\,##1}
15861 \if@twocolumn
15862 \ifnum \col@number=\@ne
15863 \maketitle
15864 \else
15865 \twocolumn[\maketitle]%
15866 \fi
15867 \else
15868 \newpage
15869 \global\@topnum\z@ % Prevents figures from going at top of page.
15870 \maketitle
15871 \fi
15872 \thispagestyle{empty}\@thanks
15873 \endgroup
15874 \setcounter{footnote}{0}%
15875 \global\let\thanks\relax
15876 \global\let\LTRthanks\relax
15877 \global\let\RTLthanks\relax
15878 \global\let\maketitle\relax
15879 \global\let\@maketitle\relax
15880 \global\let\@thanks\@empty
15881 \global\let\@author\@empty
15882 \global\let\@date\@empty
15883 \global\let\@title\@empty
15884 \global\let\title\relax
15885 \global\let\author\relax
15886 \global\let\date\relax
15887 \global\let\and\relax
15888 }
15889 \def\@maketitle{%
15890 \newpage
15891 \null
15892 \longthickrule\vskip1.5em%
15893 \let \footnote \thanks
15894 \let \LTRfootnote \LTRthanks
15895 \let \RTLfootnote \RTLthanks
15896 {\secshape \parskip\z@ \parindent\z@
15897 \Large\bfseries \@title \par}%
15898 \vskip1.5em\longthickrule\vskip1.5em%
15899 {\normalsize

```




```

15900 \lineskip .5em%
15901 \begin{flushright}%
15902     {\slshape\@author\par}
15903     \vskip 1em%
15904     {\@date}%
15905 \end{flushright}\par}%
15906 \vskip 1.5em}
15907 \fi
15908 \renewcommand*\l@part[2]{%
15909 \ifnum \c@tocdepth >-2\relax
15910 \addpenalty{-\@highpenalty}%
15911 \addvspace{2.25em \@plus\p@}%
15912 \begingroup
15913 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15914 \parfillskip -\@pnumwidth
15915 {\leavevmode
15916 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15917 \nobreak
15918 \global\@nobreaktrue
15919 \everypar{\global\@nobreakfalse\everypar{}}%
15920 \endgroup
15921 \fi}
15922 \renewcommand*\l@chapter[2]{%
15923 \ifnum \c@tocdepth >\m@ne
15924 \addpenalty{-\@highpenalty}%
15925 \vskip 1.0em \@plus\p@
15926 \setlength\@tempdima{1.5em}%
15927 \begingroup
15928 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15929 \parfillskip -\@pnumwidth
15930 \leavevmode \bfseries
15931 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15932 \hskip -\if@RTL\rightskip\else\leftskip\fi
15933 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15934 \penalty\@highpenalty
15935 \endgroup
15936 \fi}
15937 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15938 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
15939 \hyphenpenalty=2000}
15940 \renewcommand\left@footnoterule{%
15941 \kern-3\p@
15942 \hrule\@width.4\columnwidth
15943 \kern 2.6\p@}
15944 \renewcommand\right@footnoterule{%
15945 \kern-3\p@
15946 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15947 \kern2.6\p@}
15948 \renewcommand\theequation
15949 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}

```



```

15950 \renewcommand\thefigure
15951     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15952 \renewcommand\thetable%
15953     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15954 \renewcommand\thesection     {\thechapter\@SepMark\@arabic\c@section}
15955 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\c@subsection}
15956 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15957 \renewcommand\theparagraph   {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15958 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15959 \renewenvironment{thebibliography}[1]
15960     {\chapter*{\bibname
15961         \@mkboth{\bibname}{\bibname}}%
15962         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15963         \bidi@thebibliography@font@hook%
15964         \list{\@biblabel{\@arabic\c@enumiv}}%
15965             {\settowidth\labelwidth{\@biblabel{#1}}%
15966              \leftmargin\labelwidth
15967              \advance\leftmargin\labelsep
15968              \@openbib@code
15969              \usecounter{enumiv}%
15970              \let\p@enumiv\@empty
15971              \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15972              \sloppy
15973              \clubpenalty4000
15974              \@clubpenalty \clubpenalty
15975              \widowpenalty4000%
15976              \sfcode`\.=\@m}
15977     {\def\@noitemerr
15978         {\@latex@warning{Empty `thebibliography' environment}}%
15979     \endlist}

```

101 File report-xetex-bidi.def

```

15980 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
15981 \renewenvironment{theindex}
15982     {\if@twocolumn
15983         \@restonecolfalse
15984         \else
15985             \@restonecoltrue
15986         \fi
15987         \columnseprule \z@
15988         \columnsep 35\p@
15989         \twocolumn[\@makeschapterhead{\indexname}]%
15990         \@mkboth{\MakeUppercase\indexname}%
15991                 {\MakeUppercase\indexname}%
15992         \thispagestyle{plain}\parindent\z@
15993         \parskip\z@ \@plus .3\p@\relax
15994         \let\item\@idxitem}
15995     {\if@restonecol\onecolumn\else\clearpage\fi}
15996 \if@titlepage

```



```

15997 \renewcommand\maketitle{\begin{titlepage}%
15998 \let\footnotesize\small
15999 \let\right@footnoterule\relax
16000 \let\left@footnoterule\relax
16001 \let\textwidth@footnoterule\relax
16002 \let \footnote \thanks
16003 \let \LTRfootnote \LTRthanks
16004 \let \RTLfootnote \RTLthanks
16005 \null\vfil
16006 \vskip 60\p@
16007 \begin{center}%
16008   {\LARGE \@title \par}%
16009   \vskip 3em%
16010   {\large
16011     \lineskip .75em%
16012     \begin{tabular}[t]{c}%
16013       \@author
16014     \end{tabular}\par}%
16015     \vskip 1.5em%
16016     {\large \@date \par}%           % Set date in \large size.
16017 \end{center}\par
16018 \@thanks
16019 \vfil\null
16020 \end{titlepage}%
16021 \setcounter{footnote}{0}%
16022 \global\let\thanks\relax
16023 \global\let\LTRthanks\relax
16024 \global\let\RTLthanks\relax
16025 \global\let\maketitle\relax
16026 \global\let\@thanks\@empty
16027 \global\let\@author\@empty
16028 \global\let\@date\@empty
16029 \global\let\@title\@empty
16030 \global\let\title\relax
16031 \global\let\author\relax
16032 \global\let\date\relax
16033 \global\let\and\relax
16034 }
16035 \else
16036 \renewcommand\maketitle{\par
16037 \begingroup
16038   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16039   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16040   \long\def\@makefntext##1{\parindent 1em\noindent
16041     \hb@xt@1.8em{%
16042       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16043   \if@twocolumn
16044     \ifnum \col@number=\@ne
16045       \@maketitle
16046     \else

```



```

16047         \twocolumn[\@maketitle]%
16048     \fi
16049     \else
16050         \newpage
16051         \global\@topnum\z@    % Prevents figures from going at top of page.
16052         \@maketitle
16053     \fi
16054     \thispagestyle{plain}\@thanks
16055 \endgroup
16056 \setcounter{footnote}{0}%
16057 \global\let\thanks\relax
16058 \global\let\LTRthanks\relax
16059 \global\let\RTLthanks\relax
16060 \global\let\maketitle\relax
16061 \global\let\@maketitle\relax
16062 \global\let\@thanks\@empty
16063 \global\let\@author\@empty
16064 \global\let\@date\@empty
16065 \global\let\@title\@empty
16066 \global\let\title\relax
16067 \global\let\author\relax
16068 \global\let\date\relax
16069 \global\let\and\relax
16070 }
16071 \def\@maketitle{%
16072     \newpage
16073     \null
16074     \vskip 2em%
16075     \begin{center}%
16076         \let \footnote \thanks
16077         \let \LTRfootnote \LTRthanks
16078         \let \RTLfootnote \RTLthanks
16079         {\LARGE \@title \par}%
16080         \vskip 1.5em%
16081         {\large
16082             \lineskip .5em%
16083             \begin{tabular}[t]{c}%
16084                 \@author
16085             \end{tabular}\par}%
16086         \vskip 1em%
16087         {\large \@date}%
16088     \end{center}%
16089     \par
16090     \vskip 1.5em}
16091 \fi
16092 \renewcommand*\l@part[2]{%
16093     \ifnum \c@tocdepth >-2\relax
16094         \addpenalty{-\@highpenalty}%
16095         \addvspace{2.25em \@plus\p@}%
16096         \setlength\@tempdima{3em}%

```



```

16097 \begingroup
16098 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16099 \parfillskip -\@pnumwidth
16100 {\leavevmode
16101 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16102 \nobreak
16103 \global\@nobreaktrue
16104 \everypar{\global\@nobreakfalse\everypar{}}%
16105 \endgroup
16106 \fi}
16107 \renewcommand*\l@chapter[2]{%
16108 \ifnum \c@tocdepth >\m@ne
16109 \addpenalty{-\@highpenalty}%
16110 \vskip 1.0em \@plus\p@
16111 \setlength\@tempdima{1.5em}%
16112 \begingroup
16113 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16114 \parfillskip -\@pnumwidth
16115 \leavevmode \bfseries
16116 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16117 \hskip -\if@RTL\rightskip\else\leftskip\fi
16118 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16119 \penalty\@highpenalty
16120 \endgroup
16121 \fi}
16122 \renewcommand\left@footnoterule{%
16123 \kern-3\p@
16124 \hrule\@width.4\columnwidth
16125 \kern2.6\p@}
16126 \renewcommand\right@footnoterule{%
16127 \kern-3\p@
16128 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16129 \kern2.6\p@}
16130 \renewcommand\theequation
16131 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16132 \renewcommand \thefigure
16133 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16134 \renewcommand \thetable
16135 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16136 \renewcommand \thechapter {\@arabic\c@chapter}
16137 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16138 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16139 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16140 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
16141 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
16142 \def\@makechapterhead#1{%
16143 \vspace*{50\p@}%
16144 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16145 \ifnum \c@secnumdepth >\m@ne
16146 \huge\bfseries \@chapapp\space \thechapter

```



```

16147         \par\nobreak
16148         \vskip 20\p@
16149     \fi
16150     \interlinepenalty\@M
16151     \Huge \bfseries #1\par\nobreak
16152     \vskip 40\p@
16153 }
16154 \def\@makeschapterhead#1{%
16155     \vspace*{50\p@}%
16156     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16157     \normalfont
16158     \interlinepenalty\@M
16159     \Huge \bfseries #1\par\nobreak
16160     \vskip 40\p@
16161 }
16162 \renewenvironment{thebibliography}[1]
16163     {\chapter*{\bibname}%
16164     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16165     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16166     \bidi@@thebibliography@font@hook%
16167     \list{\@biblabel{\@arabic\c@enumiv}}%
16168         {\settowidth\labelwidth{\@biblabel{#1}}%
16169         \leftmargin\labelwidth
16170         \advance\leftmargin\labelsep
16171         \@openbib@code
16172         \usecounter{enumiv}%
16173         \let\p@enumiv\@empty
16174         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16175     \sloppy
16176     \clubpenalty4000
16177     \@clubpenalty \clubpenalty
16178     \widowpenalty4000%
16179     \sfcode`\.\@m}
16180 {\def\@noitemerr
16181     {\@latexwarning{Empty `thebibliography' environment}}%
16182     \endlist}

```

102 File rotating-xetex-bidi.def

```

16183 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16184 \def\end@rotfloat{%
16185     \end{minipage}\end{lrbox}%
16186     \stepcounter{r@tfl@t}%
16187     \rot@label{RF\ther@tfl@t}%
16188     \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16189     \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16190     \rot@mess@toks\expandafter{\@tempa}
16191     \wd\rot@float@box\z@
16192     \ht\rot@float@box\z@
16193     \dp\rot@float@box\z@

```



```

16194 \vboxL to \textheight{%
16195 \setkeys{Grot}{units=360}%
16196 \if@rot@twoside
16197 \else
16198 \let\R@@page\rot@LR
16199 \fi
16200 \ifthenelse{\isodd{\R@@page}}{%
16201 \if@rot@twoside
16202 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16203 \fi
16204 \vfill
16205 \@@line{%
16206 \hskip\rotFPtop
16207 \rotatebox{90}{\box\rot@float@box}%
16208 \hskip\rotFPbot
16209 }%
16210 }{%
16211 \if@rot@twoside
16212 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16213 \fi
16214 \@@line{%
16215 \hskip\rotFPbot
16216 \rotatebox{-90}{\box\rot@float@box}%
16217 \hskip\rotFPtop
16218 }%
16219 \vfill
16220 }%
16221 \rot@message{\the\rot@mess@toks}
16222 }%
16223 \end@float
16224 }
16225 \let\endsidewaysfigure\end@rotfloat
16226 \let\endsidewaystable\end@rotfloat
16227 \def\end@rotdblfloat{%
16228 \end{minipage}\end{lrbox}%
16229 \stepcounter{r@tfl@t}%
16230 \rot@label{RF\ther@tfl@t}%
16231 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16232 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16233 \rot@mess@toks\expandafter{\@tempa}
16234 \@tempdima\ht\rot@float@box
16235 \advance\@tempdima by \dp\rot@float@box
16236 \wd\rot@float@box\z@
16237 \ht\rot@float@box\z@
16238 \dp\rot@float@box\z@
16239 \vboxL to \textheight{%
16240 \setkeys{Grot}{units=360}%
16241 \if@rot@twoside
16242 \else
16243 \let\R@@page\rot@LR

```



```

16244 \fi
16245 \ifthenelse{\isodd{\R@@page}}{%
16246 \ifrot@messages
16247 \ifrot@twoside
16248 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
16249 \fi
16250 \fi
16251 \vfill
16252 \@@line{%
16253 \hskip\rotFPtop
16254 \rotatebox{90}{\box\rot@float@box}%
16255 \hskip\rotFPbot
16256 }%
16257 }{%
16258 \ifrot@messages
16259 \ifrot@twoside
16260 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
16261 \fi
16262 \fi%
16263 \@@line{%
16264 \hskip\rotFPbot
16265 \rotatebox{-90}{\box\rot@float@box}%
16266 \hskip\rotFPtop
16267 }%
16268 \vfill
16269 }%
16270 \rot@message{\the\rot@mess@toks}%
16271 }%
16272 \end@dblfloat
16273 }
16274 \def\turn#1{%
16275 \Grot@setangle{#1}%
16276 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16277 \def\endturn{%
16278 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16279 \unskip\color@endbox
16280 \Grot@x\z@
16281 \Grot@y\z@
16282 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16283 }
16284 \def\rotate#1{%
16285 \Grot@setangle{#1}%
16286 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16287 \def\endrotate{%
16288 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16289 \unskip\color@endbox
16290 \Grot@x\z@
16291 \Grot@y\z@
16292 \wd0\z@\dp0\z@\ht0\z@
16293 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi

```




```

16294 }
16295 \def\turnbox#1#2{%
16296   \Grot@setangle{#1}%
16297   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16298   \Grot@x\z@\Grot@y\z@
16299   \wd0\z@\dp0\z@\ht0\z@
16300   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16301 }
16302 \def\sideways{%
16303   \Grot@setangle{90}%
16304   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16305 \def\endsideways{%
16306   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16307   \unskip\color@endbox
16308   \Grot@x\z@
16309   \Grot@y\z@
16310   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16311 }

```

103 File `scrartcl-xetex-bidi.def`

```

16312 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16313 \newcommand{\scr@saved@LTRfootnotetext}{}
16314 \newcommand{\scr@saved@RTLfootnotetext}{}
16315 \let\scr@saved@footnotetext\@footnotetext
16316 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16317 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16318 \renewcommand{\@footnotetext}[1]{%
16319   \scr@saved@footnotetext{#1}%
16320   \csname FN@mfp@prepare\endcsname
16321 }
16322 \renewcommand{\@LTRfootnotetext}[1]{%
16323   \scr@saved@LTRfootnotetext{#1}%
16324   \csname FN@mfp@prepare\endcsname
16325 }
16326 \renewcommand{\@RTLfootnotetext}[1]{%
16327   \scr@saved@RTLfootnotetext{#1}%
16328   \csname FN@mfp@prepare\endcsname
16329 }
16330 \renewcommand\deffootnote[4][1]{%
16331   \long\def\@makefn#1{%
16332     \setlength{\@tempdimc}{#3}%
16333     \def\@tempa{#1}\ifx\@tempa\@empty
16334       \setpar{\@par
16335         \@tempdima = \hsize
16336         \addtolength{\@tempdima}{-#2}%
16337         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16338       \else
16339         \addtolength{\@tempdimc}{#2}%
16340         \addtolength{\@tempdimc}{-#1}%

```



```

16341 \setpar{\@par
16342 \@tempdima = \hsize
16343 \addtolength{\@tempdima}{-#1}%
16344 \@tempdimb = \hsize
16345 \addtolength{\@tempdimb}{-#2}%
16346 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
16347 }%
16348 \fi
16349 \par
16350 \parindent\@tempdimc\noindent
16351 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16352 }%
16353 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16354 }
16355 \def\footnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16356 \renewcommand*\left@footnoterule{%
16357 \normalsize\ftn@rule@test@values
16358 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16359 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16360 {\usekomafont{footnoterule}{%
16361 \hrule \height\ftn@rule@height \@width\ftn@rule@width}}%
16362 \kern 2.6\p@}
16363 \renewcommand*\right@footnoterule{%
16364 \normalsize\ftn@rule@test@values
16365 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16366 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16367 {\usekomafont{footnoterule}{%
16368 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16369 \kern 2.6\p@}
16370 \renewcommand*\maketitle[1][1]{%
16371 \if@titlepage
16372 \begin{titlepage}
16373 \setcounter{page}{%
16374 #1%
16375 }%
16376 \let\footnotesize\small
16377 \let\right@footnoterule\relax
16378 \let\left@footnoterule\relax
16379 \let\textwidth\footnoterule\relax
16380 \let\footnote\thanks
16381 \let\LTRfootnote\LTRthanks
16382 \let\RTLfootnote\RTLthanks
16383 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16384 \let\@oldmakefnmark\@makefnmark
16385 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16386 \ifx\@extratitle\@empty \else
16387 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16388 \thispagestyle{empty}%
16389 \fi
16390 \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@update relative

```



```

16391 \ifx\@titlehead\@empty \else
16392 \begin{minipage}[t]{\textwidth}%
16393 \@titlehead
16394 \end{minipage}\par
16395 \fi
16396 \null\vfill
16397 \begin{center}
16398 \ifx\@subject\@empty \else
16399 {\subject@font \@subject \par}%
16400 \vskip 3em
16401 \fi
16402 {\titlefont\huge \@title\par}%
16403 \vskip 1em
16404 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16405 \vskip 2em
16406 {\Large \lineskip 0.75em
16407 \begin{tabular}[t]{c}
16408 \@author
16409 \end{tabular}\par
16410 }%
16411 \vskip 1.5em
16412 {\Large \@date \par}%
16413 \vskip \z@ \@plus3fill
16414 {\Large \@publishers \par}%
16415 \vskip 3em
16416 \end{center}\par
16417 \@thanks
16418 \vfill\null
16419 \if@twoside\next@tpage
16420 \begin{minipage}[t]{\textwidth}
16421 \@uppertitleback
16422 \end{minipage}\par
16423 \vfill
16424 \begin{minipage}[b]{\textwidth}
16425 \@lowertitleback
16426 \end{minipage}
16427 \fi
16428 \ifx\@dedication\@empty \else
16429 \next@tpage\null\vfill
16430 {\centering \Large \@dedication \par}%
16431 \vskip \z@ \@plus3fill
16432 \if@twoside \next@tpage\cleardoubleemptypage \fi
16433 \fi
16434 \end{titlepage}
16435 \else
16436 \par
16437 \@tempcnta=%
16438 #1%
16439 \relax\ifnum\@tempcnta=1\else
16440 \ClassWarning{KOMAClassName}{%

```



```

16441         Optional argument of \string\maketitle\space ignored
16442         at\MessageBreak
16443         notitlepage-mode%
16444     }%
16445 \fi
16446 \begingroup
16447     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16448     \let\@oldmakefnmark\@makefnmark
16449     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16450     \if@twocolumn
16451         \ifnum \col@number=\@ne
16452             \@maketitle
16453         \else
16454             \twocolumn[\@maketitle]%
16455         \fi
16456     \else
16457         \newpage
16458         \global\@topnum\z@
16459         \@maketitle
16460     \fi
16461     \thispagestyle{\titlepagestyle}\@thanks
16462 \endgroup
16463 \fi
16464 \setcounter{footnote}{0}%
16465 \let\thanks\relax
16466 \let\LTRthanks\relax
16467 \let\RTLthanks\relax
16468 \let\maketitle\relax
16469 \let\@maketitle\relax
16470 \global\let\@thanks\@empty
16471 \global\let\@author\@empty
16472 \global\let\@date\@empty
16473 \global\let\@title\@empty
16474 \global\let\@subtitle\@empty
16475 \global\let\@extratitle\@empty
16476 \global\let\@titlehead\@empty
16477 \global\let\@subject\@empty
16478 \global\let\@publishers\@empty
16479 \global\let\@uppertitleback\@empty
16480 \global\let\@lowertitleback\@empty
16481 \global\let\@dedication\@empty
16482 \global\let\author\relax
16483 \global\let\title\relax
16484 \global\let\extratitle\relax
16485 \global\let\titlehead\relax
16486 \global\let\subject\relax
16487 \global\let\publishers\relax
16488 \global\let\uppertitleback\relax
16489 \global\let\lowertitleback\relax
16490 \global\let\dedication\relax

```



```

16491 \global\let\date\relax
16492 \global\let\and\relax
16493 }%
16494 \renewcommand*{\@maketitle}{%
16495 \clearpage
16496 \let\footnote\thanks
16497 \let\LTRfootnote\LTRthanks
16498 \let\RTLfootnote\RTLthanks
16499 \ifx\@extratitle\@empty \else
16500 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16501 \fi
16502 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16503 \ifx\@titlehead\@empty \else
16504 \begin{minipage}[t]{\textwidth}
16505 \@titlehead
16506 \end{minipage}\par
16507 \fi
16508 \null
16509 \vskip 2em%
16510 \begin{center}%
16511 \ifx\@subject\@empty \else
16512 {\subject@font \@subject \par}
16513 \vskip 1.5em
16514 \fi
16515 {\titlefont\huge \@title \par}%
16516 \vskip .5em
16517 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16518 \vskip 1em
16519 {\Large
16520 \lineskip .5em%
16521 \begin{tabular}[t]{c}
16522 \@author
16523 \end{tabular}\par
16524 }%
16525 \vskip 1em%
16526 {\Large \@date \par}%
16527 \vskip \z@ \@plus 1em
16528 {\Large \@publishers \par}
16529 \ifx\@dedication\@empty \else
16530 \vskip 2em
16531 {\Large \@dedication \par}
16532 \fi
16533 \end{center}%
16534 \par
16535 \vskip 2em
16536 }%
16537 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16538 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16539 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16540 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}

```



```

16541 \renewcommand*{\thesubsubsection}{%
16542   \thesubsection\@SepMark\@arabic\c@subsubsection
16543 }
16544 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16545 \renewcommand*{\thesubparagraph}{%
16546   \theparagraph\@SepMark\@arabic\c@subparagraph
16547 }
16548 \renewenvironment{thebibliography}[1]{%
16549   \if@bib@break@
16550     \bib@beginhook
16551   \else
16552     \bib@heading
16553     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16554       \noindent\bibpreamble\par\nobreak
16555     \fi\fi
16556     \bib@beginhook
16557     \bib@before@hook
16558   \fi
16559   \renewcommand{\BreakBibliography}[1]{%
16560     \@bib@break
16561     \end{thebibliography}%
16562     \begingroup ##1\endgroup
16563     \begin{thebibliography}{#1}
16564   }%
16565   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16566   \bidi@thebibliography@font@hook%
16567   \list{%
16568     \@biblabel{\@arabic\c@enumiv}%
16569   }{%
16570     \settowidth\labelwidth{\@biblabel{#1}}%
16571     \leftmargin\labelwidth
16572     \advance\leftmargin\labelsep
16573     \@openbib@code
16574     \if@bib@break@
16575       \edef\@tempa{%
16576         \noexpand\usecounter{enumiv}%
16577         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16578       }\@tempa
16579       \no@bib@break
16580     \else
16581       \usecounter{enumiv}%
16582     \fi
16583     \let\p@enumiv\@empty
16584     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16585   }%
16586   \sloppy\clubpenalty4000 \widowpenalty4000
16587   \sfcode`\.=\@m
16588 }{%
16589   \if@bib@break@
16590     \def\@noitemerr{%

```



```

16591 \latex@warning{%
16592 \string\BreakBibliography\space at begin of `thebibliography'
16593 environment\MessageBreak
16594 or following \string\BreakBibliography}%
16595 }%
16596 \else
16597 \def\@noitemerr{%
16598 \latex@warning{%
16599 Empty `thebibliography' environment or
16600 \string\BreakBibliography\MessageBreak
16601 before end of `thebibliography' environment}%
16602 }%
16603 \fi
16604 \endlist
16605 \if@bib@break@
16606 \else
16607 \bib@after@hook
16608 \let\bib@before@hook\@empty
16609 \let\bib@after@hook\@empty
16610 \fi
16611 \bib@endhook
16612 }
16613 \renewcommand*\left@footnoterule{%
16614 \kern-3\p@
16615 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16616 \hrule\@width.4\columnwidth
16617 \kern 2.6\p@}
16618 \renewcommand*\right@footnoterule{%
16619 \kern-3\p@
16620 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16621 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16622 \kern2.6\p@}
16623 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
16624 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
16625 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
16626 \renewcommand\marginline[1]{%
16627 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16628 }
16629 \renewcommand{\@makecaption}[3]{%
16630 \cap@margin
16631 \ifonelinecaptions
16632 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16633 \let\scr@tmp@footnotetext=\@footnotetext
16634 \let\@footnotetext=\@gobble
16635 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16636 \let\@LTRfootnotetext=\@gobble
16637 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16638 \let\@RTLfootnotetext=\@gobble
16639 \sbox\@tempboxa{%
16640 {\capfont{\strut\ignorespaces

```



```

16641      #1{\caplabelfont{#2\captionformat}}}%
16642      #3\unskip\strut}}%
16643    }%
16644    \let\@footnotetext=\scr@tmp@footnotetext
16645    \let\scr@tmp@footnotetext=\undefined
16646    \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16647    \let\scr@tmp@LTRfootnotetext=\undefined
16648    \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16649    \let\scr@tmp@RTLfootnotetext=\undefined
16650    \setcounter{footnote}{\@tempcntb}%
16651    \setcounter{mpfootnote}{\@tempcnta}%
16652  \else
16653    \sbox\@tempboxa{\hspace*{2\cap@width}}%
16654  \fi
16655  \begingroup%
16656    \setlength{\@tempdima}{\cap@width}%
16657    \ifdim \wd\@tempboxa >\@tempdima
16658      \hb@xt@\hsize{%
16659        \setbox\@tempboxa\vbox{\hsize=\cap@width
16660          \ifdofullc@p
16661            {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16662              #1{\caplabelfont{#2\captionformat}}}}}%
16663              {#3\unskip\strut\par}}}%
16664          \else%
16665            \ifdim\cap@indent<\z@
16666              {\capfont{\strut\ignorespaces
16667                #1{\caplabelfont{#2\captionformat\par}}}%
16668                \noindent\hspace*{-\cap@indent}{#3\unskip\strut\par}}}%
16669            \else%
16670              \if@capbreak
16671                {\capfont{\strut\ignorespaces
16672                  #1{\caplabelfont{#2\captionformat\par}}}%
16673                  \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16674              \else
16675                {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
16676                  {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16677                    {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
16678                \fi
16679              \fi
16680            \fi
16681          }%
16682          \setlength{\@tempdima}{\ht\@tempboxa}%
16683          \addtolength{\@tempdima}{\dp\@tempboxa}%
16684          \addtolength{\@tempdima}{-\ht\strutbox}%
16685          \ht\@tempboxa\ht\strutbox
16686          \dp\@tempboxa\@tempdima
16687          \strut\cap@left
16688          \box\@tempboxa
16689          \cap@right\strut
16690        }%

```




```

16691 \else
16692 \global \@minipagefalse
16693 \sbox\@tempboxa{%
16694   {\capfont{\scr@smashdp{\strut\ignorespaces
16695     #1{\caplabelfont{#2\captionformat}}}}}%
16696     #3}}%
16697   }%
16698   {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap@right}}}%
16699 \fi
16700 \endgroup
16701 }
16702 \renewcommand{\@makecaption}[2]{%
16703 \if@captionabove
16704   \vskip\belowcaptionskip
16705 \else
16706   \vskip\abovecaptionskip
16707 \fi
16708 @@makecaption\@firstofone{#1}{#2}%
16709 \if@captionabove
16710   \vskip\abovecaptionskip
16711 \else
16712   \vskip\belowcaptionskip
16713 \fi
16714 }
16715 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16716 \ifpackageloaded{caption2}{\@komalongtablefalse
16717 \scr@caption@before@longtable@warning{caption2}%
16718 }{}%
16719 \if@komalongtable
16720 \renewcommand{\LT@makecaption}[3]{%
16721 \noalign{%
16722 \if@captionabove
16723 \vskip\belowcaptionskip
16724 \else
16725 \vskip\abovecaptionskip
16726 \fi
16727 }%
16728 \LT@mcol\LT@cols c{%
16729 \hbox to\z@{\hss\parbox[t]{linewidth{%
16730 \@@makecaption{#1}{#2}{#3}%
16731 \endgraf
16732 \if@captionabove
16733 \vskip\abovecaptionskip
16734 \else
16735 \vskip\belowcaptionskip
16736 \fi
16737 }%
16738 \hss
16739 }%
16740 }%

```



```

16741 }%
16742 \renewcommand*{\scr@LT@array}{}%
16743 \let\scr@LT@array=\LT@array
16744 \renewcommand*{\LT@array}{%
16745   \let\scr@caption=\LT@caption
16746   \def\captionabove{\noalign{\global\@captionabovetrue}%
16747     \scr@caption}%
16748   \def\captionbelow{\noalign{\global\@captionabovefalse}%
16749     \scr@caption}%
16750   \if@tablecaptionabove
16751     \let\LT@caption=\captionabove
16752   \else
16753     \let\LT@caption=\captionbelow
16754   \fi
16755   \scr@LT@array
16756 }%
16757 \ClassInfo{\KOMAClassName}{%
16758   longtable captions redefined%
16759 }%
16760 \fi
16761 }
16762
16763 \CloneTOCEntryStyle{tocline}{part}
16764 \TOCEntryStyleStartInitCode{part}{%
16765   \expandafter\renewcommand%
16766   \csname scr@tso@#1@linefill\endcsname{\hfill}%
16767   \expandafter\renewcommand%
16768   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16769   \expandafter\renewcommand%
16770   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16771     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16772   \expandafter\renewcommand\expandafter*%
16773   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
16774 }
16775
16776 \CloneTOCEntryStyle{tocline}{section}
16777 \TOCEntryStyleStartInitCode{section}{%
16778   \expandafter\renewcommand%
16779   \csname scr@tso@#1@linefill\endcsname{%
16780     \if@sectionentrywithdots
16781       \TOCLineLeaderFill\relax
16782     \else
16783       \hfill
16784     \fi
16785   }%
16786   % F^fcr die Eintr^e4ge die Schrift von Element sectionentry verwenden.
16787   \expandafter\renewcommand%
16788   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16789   \expandafter\renewcommand%
16790   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se

```



```

16791 \expandafter\renewcommand\expandafter*%
16792 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16793 }
16794
16795 \CloneTOCEntryStyle{tocline}{subsection}
16796 \TOCEntryStyleStartInitCode{subsection}{%
16797 \expandafter\renewcommand%
16798 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16799 }
16800
16801 \CloneTOCEntryStyle{subsection}{default}
16802
16803 \DeclareSectionCommand[%
16804 style=part,%
16805 level=\z@,%
16806 tocstyle=part,%
16807 toplevel=\m@ne,%
16808 tocindent=\z@,%
16809 tocnumwidth=2em%
16810 ]{part}
16811 \DeclareSectionCommand[%
16812 style=section,%
16813 level=1,%
16814 indent=\z@,%
16815 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
16816 afterskip=2.3ex \@plus .2ex,%
16817 tocstyle=section,%
16818 tocindent=0pt,%
16819 tocnumwidth=1.5em%
16820 ]{section}
16821 \DeclareSectionCommand[%
16822 style=section,%
16823 level=2,%
16824 indent=\z@,%
16825 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
16826 afterskip=1.5ex \@plus .2ex,%
16827 tocstyle=subsection,%
16828 tocindent=1.5em,%
16829 tocnumwidth=2.3em%
16830 ]{subsection}
16831 \DeclareSectionCommand[%
16832 style=section,%
16833 level=3,%
16834 indent=\z@,%
16835 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
16836 afterskip=1.5ex \@plus .2ex,%
16837 tocstyle=subsection,%
16838 tocindent=3.8em,%
16839 tocnumwidth=3.2em%
16840 ]{subsubsection}

```



```

16841 \DeclareSectionCommand[%
16842   style=section,%
16843   level=4,%
16844   indent=\z@,%
16845   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
16846   afterskip=-1em,%
16847   tocstyle=subsection,%
16848   tocindent=7.0em,%
16849   tocnumwidth=4.1em%
16850 ]{paragraph}
16851 \DeclareSectionCommand[%
16852   style=section,%
16853   level=5,%
16854   indent=\scr@parindent,%
16855   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
16856   afterskip=-1em,%
16857   tocstyle=subsection,%
16858   tocindent=10em,%
16859   tocnumwidth=5em%
16860 ]{subparagraph}

```

104 File scrbook-xetex-bidi.def

```

16861 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for X
16862 \newcommand{\scr@saved@LTRfootnotetext}{}
16863 \newcommand{\scr@saved@RTLfootnotetext}{}
16864 \let\scr@saved@footnotetext\@footnotetext
16865 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16866 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16867 \renewcommand{\@footnotetext}[1]{%
16868   \scr@saved@footnotetext{#1}%
16869   \csname FN@mf@prepare\endcsname
16870 }
16871 \renewcommand{\@LTRfootnotetext}[1]{%
16872   \scr@saved@LTRfootnotetext{#1}%
16873   \csname FN@mf@prepare\endcsname
16874 }
16875 \renewcommand{\@RTLfootnotetext}[1]{%
16876   \scr@saved@RTLfootnotetext{#1}%
16877   \csname FN@mf@prepare\endcsname
16878 }
16879 \renewcommand\deffootnote[4][1]{%
16880   \long\def\@makefntext##1{%
16881     \setlength{\@tempdimc}{#3}%
16882     \def\@tempa{#1}\ifx\@tempa\@empty
16883       \setpar{\@par
16884         \@tempdima = \hsize
16885         \addtolength{\@tempdima}{-#2}%
16886         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16887       \else

```



```

16888 \addtolength{\@tempdimc}{#2}%
16889 \addtolength{\@tempdimc}{-#1}%
16890 \@setpar{\@par
16891 \@tempdima = \hsize
16892 \addtolength{\@tempdima}{-#1}%
16893 \@tempdimb = \hsize
16894 \addtolength{\@tempdimb}{-#2}%
16895 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
16896 }%
16897 \fi
16898 \par
16899 \parindent\@tempdimc\noindent
16900 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16901 }%
16902 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16903 }
16904 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16905 \renewcommand*\left@footnoterule{%
16906 \normalsize\ftn@rule@test@values
16907 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16908 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16909 {\usekomafont{footnoterule}{%
16910 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16911 \kern 2.6\p@}
16912 \renewcommand*\right@footnoterule{%
16913 \normalsize\ftn@rule@test@values
16914 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16915 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16916 {\usekomafont{footnoterule}{%
16917 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16918 \kern 2.6\p@}
16919 \renewcommand*\maketitle[1][1]{%
16920 \if@titlepage
16921 \begin{titlepage}
16922 \setcounter{page}{%
16923 #1%
16924 }%
16925 \let\footnotesize\small
16926 \let\right@footnoterule\relax
16927 \let\left@footnoterule\relax
16928 \let\textwidth\footnoterule\relax
16929 \let\footnote\thanks
16930 \let\LTRfootnote\LTRthanks
16931 \let\RTLfootnote\RTLthanks
16932 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16933 \let\@oldmakefnmark\@makefnmark
16934 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16935 \ifx\@extratitle\empty \else
16936 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16937 \thispagestyle{empty}%

```



```

16938 \fi
16939 \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
16940 \ifx\@titlehead\@empty \else
16941 \begin{minipage}[t]{\textwidth}%
16942 \@titlehead
16943 \end{minipage}\par
16944 \fi
16945 \null\vfill
16946 \begin{center}
16947 \ifx\@subject\@empty \else
16948 {\subject@font \@subject \par}%
16949 \vskip 3em
16950 \fi
16951 {\titlefont\huge \@title\par}%
16952 \vskip 1em
16953 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16954 \vskip 2em
16955 {\Large \lineskip 0.75em
16956 \begin{tabular}[t]{c}
16957 \@author
16958 \end{tabular}\par
16959 }%
16960 \vskip 1.5em
16961 {\Large \@date \par}%
16962 \vskip \z@ \@plus3fill
16963 {\Large \@publishers \par}%
16964 \vskip 3em
16965 \end{center}\par
16966 \@thanks
16967 \vfill\null
16968 \if@twoside\next@tpage
16969 \begin{minipage}[t]{\textwidth}
16970 \@uppertitleback
16971 \end{minipage}\par
16972 \vfill
16973 \begin{minipage}[b]{\textwidth}
16974 \@lowertitleback
16975 \end{minipage}
16976 \fi
16977 \ifx\@dedication\@empty \else
16978 \next@tpage\null\vfill
16979 {\centering \Large \@dedication \par}%
16980 \vskip \z@ \@plus3fill
16981 \if@twoside \next@tpage\cleardoubleemptypage \fi
16982 \fi
16983 \end{titlepage}
16984 \else
16985 \par
16986 \@tempcnta=%
16987 #1%

```



```

16988 \relax\ifnum\@tempcnta=1\else
16989 \ClassWarning{\KOMAClassName}{%
16990 Optional argument of \string\maketitle\space ignored
16991 at\MessageBreak
16992 notitlepage-mode%
16993 }%
16994 \fi
16995 \begingroup
16996 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16997 \let\@oldmakefnmark\@makefnmark
16998 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16999 \if@twocolumn
17000 \ifnum \col@number=\@ne
17001 \@maketitle
17002 \else
17003 \twocolumn[\@maketitle]%
17004 \fi
17005 \else
17006 \newpage
17007 \global\@topnum\z@
17008 \@maketitle
17009 \fi
17010 \thispagestyle{\titlepagestyle}\@thanks
17011 \endgroup
17012 \fi
17013 \setcounter{footnote}{0}%
17014 \let\thanks\relax
17015 \let\LTRthanks\relax
17016 \let\RTLthanks\relax
17017 \let\maketitle\relax
17018 \let\@maketitle\relax
17019 \global\let\@thanks\@empty
17020 \global\let\@author\@empty
17021 \global\let\@date\@empty
17022 \global\let\@title\@empty
17023 \global\let\@subtitle\@empty
17024 \global\let\@extratitle\@empty
17025 \global\let\@titlehead\@empty
17026 \global\let\@subject\@empty
17027 \global\let\@publishers\@empty
17028 \global\let\@uppertitleback\@empty
17029 \global\let\@lowertitleback\@empty
17030 \global\let\@dedication\@empty
17031 \global\let\author\relax
17032 \global\let\title\relax
17033 \global\let\extratitle\relax
17034 \global\let\titlehead\relax
17035 \global\let\subject\relax
17036 \global\let\publishers\relax
17037 \global\let\uppertitleback\relax

```



```

17038 \global\let\lowertitleback\relax
17039 \global\let\dedication\relax
17040 \global\let\date\relax
17041 \global\let\and\relax
17042 }%
17043 \renewcommand*{\@maketitle}{%
17044 \clearpage
17045 \let\footnote\thanks
17046 \let\LTRfootnote\LTRthanks
17047 \let\RTLfootnote\RTLthanks
17048 \ifx\@extratitle\@empty \else
17049 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17050 \fi
17051 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17052 \ifx\@titlehead\@empty \else
17053 \begin{minipage}[t]{\textwidth}
17054 \@titlehead
17055 \end{minipage}\par
17056 \fi
17057 \null
17058 \vskip 2em%
17059 \begin{center}%
17060 \ifx\@subject\@empty \else
17061 {\subject@font \@subject \par}
17062 \vskip 1.5em
17063 \fi
17064 {\titlefont\huge \@title \par}%
17065 \vskip .5em
17066 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17067 \vskip 1em
17068 {\Large
17069 \lineskip .5em%
17070 \begin{tabular}[t]{c}
17071 \@author
17072 \end{tabular}\par
17073 }%
17074 \vskip 1em%
17075 {\Large \@date \par}%
17076 \vskip \z@ \@plus 1em
17077 {\Large \@publishers \par}
17078 \ifx\@dedication\@empty \else
17079 \vskip 2em
17080 {\Large \@dedication \par}
17081 \fi
17082 \end{center}%
17083 \par
17084 \vskip 2em
17085 }%
17086 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17087 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}

```




```

17088 \renewcommand*\thesection{%
17089   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17090     \if@mainmatter\thechapter\@SepMark\fi
17091   \else
17092     \thechapter\@SepMark%
17093   \fi
17094   \@arabic\c@section
17095 }
17096 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17097 \renewcommand*\thesubsubsection{%
17098   \thesubsection\@SepMark\@arabic\c@subsubsection
17099 }
17100 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17101 \renewcommand*\thesubparagraph{%
17102   \theparagraph\@SepMark\@arabic\c@subparagraph
17103 }
17104 \renewcommand*\thefigure{%
17105   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17106     \if@mainmatter\thechapter\@SepMark\fi
17107   \else
17108     \thechapter\@SepMark%
17109   \fi
17110   \@arabic\c@figure
17111 }
17112 \renewcommand*\thetable{%
17113   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17114     \if@mainmatter\thechapter\@SepMark\fi
17115   \else
17116     \thechapter\@SepMark%
17117   \fi
17118   \@arabic\c@table
17119 }
17120 \renewcommand*\theequation{%
17121   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17122     \if@mainmatter\thechapter\@SepMark\fi
17123   \else
17124     \thechapter\@SepMark%
17125   \fi
17126   \@arabic\c@equation
17127 }
17128 \renewenvironment{thebibliography}[1]{%
17129   \if@bib@break@
17130     \bib@beginhook
17131   \else
17132     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17133       \setchapterpreamble{\bibpreamble}%
17134     \fi\fi
17135     \bib@heading
17136     \bib@beginhook
17137     \bib@before@hook

```



```

17138 \fi
17139 \renewcommand{\BreakBibliography}[1]{%
17140   \@bib@break
17141   \end{thebibliography}%
17142   \begingroup ##1\endgroup
17143   \begin{thebibliography}{#1}
17144 }%
17145 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17146 \bidi@thebibliography@font@hook%
17147 \list{%
17148   \@biblabel{\@arabic{c@enumiv}}%
17149 }{%
17150   \settowidth\labelwidth{\@biblabel{#1}}%
17151   \leftmargin\labelwidth
17152   \advance\leftmargin\labelsep
17153   \@openbib@code
17154   \if@bib@break@
17155     \edef\@tempa{%
17156       \noexpand\usecounter{enumiv}%
17157       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17158     }\@tempa
17159     \no@bib@break
17160   \else
17161     \usecounter{enumiv}%
17162   \fi
17163   \let\p@enumiv\@empty
17164   \renewcommand*\theenumiv{\@arabic{c@enumiv}}%
17165 }%
17166 \sloppy\clubpenalty4000 \widowpenalty4000
17167 \sfcode`\.=\@m
17168 }{%
17169 \if@bib@break@
17170   \def\@noitemerr{%
17171     \@latex@warning{%
17172       \string\BreakBibliography\space at begin of `thebibliography'
17173       environment\MessageBreak
17174       or following \string\BreakBibliography}%
17175   }%
17176 \else
17177   \def\@noitemerr{%
17178     \@latex@warning{%
17179       Empty `thebibliography' environment or
17180       \string\BreakBibliography\MessageBreak
17181       before end of `thebibliography' environment}%
17182   }%
17183 \fi
17184 \endlist
17185 \if@bib@break@
17186 \else
17187   \bib@after@hook

```



```

17188 \let\bib@before@hook\@empty
17189 \let\bib@after@hook\@empty
17190 \fi
17191 \bib@endhook
17192 }
17193 \renewcommand*\left@footnoterule{%
17194 \kern-3\p@
17195 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17196 \hrule\@width.4\columnwidth
17197 \kern 2.6\p@}
17198 \renewcommand*\right@footnoterule{%
17199 \kern-3\p@
17200 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17201 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17202 \kern2.6\p@}
17203 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17204 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17205 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17206 \renewcommand\marginline[1]{%
17207 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17208 }
17209 \renewcommand{\@@makecaption}[3]{%
17210 \cap@margin
17211 \ifonelinecaptions
17212 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17213 \let\scr@tmp@footnotetext=\@footnotetext
17214 \let\@footnotetext=\@gobble
17215 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17216 \let\@LTRfootnotetext=\@gobble
17217 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17218 \let\@RTLfootnotetext=\@gobble
17219 \sbox\@tempboxa{%
17220 {\capfont{\strut\ignorespaces
17221 #1{\@caplabelfont{#2\captionformat}}}%
17222 #3\unskip\strut}}%
17223 }%
17224 \let\@footnotetext=\scr@tmp@footnotetext
17225 \let\scr@tmp@footnotetext=\undefined
17226 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17227 \let\scr@tmp@LTRfootnotetext=\undefined
17228 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17229 \let\scr@tmp@RTLfootnotetext=\undefined
17230 \setcounter{footnote}{\@tempcntb}%
17231 \setcounter{mpfootnote}{\@tempcnta}%
17232 \else
17233 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17234 \fi
17235 \begingroup%
17236 \setlength{\@tempdima}{\cap@width}%
17237 \ifdim \wd\@tempboxa >\@tempdima

```



```

17238 \hb@xt@\hsize{%
17239 \setbox\@tempboxa\vbox{\hsize=\cap@width
17240 \ifdofullc@p
17241 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17242 #1{\caplabelfont{#2\captionformat}}}}}%
17243 {#3\unskip\strut\par}}}%
17244 \else%
17245 \ifdim\cap@indent<\z@
17246 {\capfont{\strut\ignorespaces
17247 #1{\caplabelfont{#2\captionformat\par}}}%
17248 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17249 \else%
17250 \if@capbreak
17251 {\capfont{\strut\ignorespaces
17252 #1{\caplabelfont{#2\captionformat\par}}}%
17253 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17254 \else
17255 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17256 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17257 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17258 \fi
17259 \fi
17260 \fi
17261 }%
17262 \setlength{\@tempdima}{\ht\@tempboxa}%
17263 \addtolength{\@tempdima}{\dp\@tempboxa}%
17264 \addtolength{\@tempdima}{-\ht\strutbox}%
17265 \ht\@tempboxa\ht\strutbox
17266 \dp\@tempboxa\@tempdima
17267 \strut\cap@left
17268 \box\@tempboxa
17269 \cap@right\strut
17270 }%
17271 \else
17272 \global \@minipagefalse
17273 \sbox\@tempboxa{%
17274 {\capfont{\scr@smashdp{\strut\ignorespaces
17275 #1{\caplabelfont{#2\captionformat}}}}}%
17276 #3}}%
17277 }%
17278 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
17279 \fi
17280 \endgroup
17281 }
17282 \renewcommand{\@makecaption}[2]{%
17283 \if@captionabove
17284 \vskip\belowcaptionskip
17285 \else
17286 \vskip\abovecaptionskip
17287 \fi

```



```

17288 \@@makecaption\@firstofone{#1}{#2}%
17289 \if@captionabove
17290 \vskip\abovecaptionskip
17291 \else
17292 \vskip\belowcaptionskip
17293 \fi
17294 }
17295 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17296 \@ifpackageloaded{caption2}{\@komalongtablefalse
17297 \scr@caption@before@longtable@warning{caption2}%
17298 }{}%
17299 \if@komalongtable
17300 \renewcommand{\LT@makecaption}[3]{%
17301 \noalign{%
17302 \if@captionabove
17303 \vskip\belowcaptionskip
17304 \else
17305 \vskip\abovecaptionskip
17306 \fi
17307 }%
17308 \LT@mcol\LT@cols c{%
17309 \hbox to\z@{\hss\parbox[t]{\linewidth{%
17310 \@@makecaption{#1}{#2}{#3}%
17311 \endgraf
17312 \if@captionabove
17313 \vskip\abovecaptionskip
17314 \else
17315 \vskip\belowcaptionskip
17316 \fi
17317 }%
17318 \hss
17319 }%
17320 }%
17321 }%
17322 \renewcommand*{\scr@LT@array}{}%
17323 \let\scr@LT@array=\LT@array
17324 \renewcommand*{\LT@array}{%
17325 \let\scr@caption=\LT@caption
17326 \def\captionabove{\noalign{\global\@captionabovetrue}%
17327 \scr@caption}%
17328 \def\captionbelow{\noalign{\global\@captionabovetrue}%
17329 \scr@caption}%
17330 \if@tablecaptionabove
17331 \let\LT@caption=\captionabove
17332 \else
17333 \let\LT@caption=\captionbelow
17334 \fi
17335 \scr@LT@array
17336 }%
17337 \ClassInfo{\KOMAClassName}{%

```



```

17338     longtable captions redefined%
17339   }%
17340 \fi
17341 }
17342
17343 \CloneTOCEntryStyle{tocline}{part}
17344 \TOCEntryStyleStartInitCode{part}{%
17345   \expandafter\renewcommand%
17346   \csname scr@tso@#1@linefill\endcsname{\hfill}%
17347   \expandafter\renewcommand%
17348   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17349   \expandafter\renewcommand%
17350   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17351     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17352   \expandafter\renewcommand\expandafter*%
17353   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17354 }
17355
17356 \CloneTOCEntryStyle{tocline}{chapter}
17357 \TOCEntryStyleStartInitCode{chapter}{%
17358   \expandafter\renewcommand%
17359   \csname scr@tso@#1@linefill\endcsname{%
17360     \ifchapterentrywithdots
17361       \TOCLineLeaderFill\relax
17362     \else
17363       \hfill
17364     \fi
17365   }%
17366   \expandafter\renewcommand%
17367   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17368   \expandafter\renewcommand%
17369   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17370     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17371   \expandafter\renewcommand\expandafter*%
17372   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17373 }
17374
17375 \CloneTOCEntryStyle{tocline}{section}
17376 \TOCEntryStyleStartInitCode{section}{%
17377   \expandafter\renewcommand%
17378   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17379 }
17380
17381 \CloneTOCEntryStyle{section}{default}
17382
17383 \DeclareSectionCommand[%
17384   style=part,%
17385   level=\m@ne,%
17386   pagestyle=plain,%
17387   tocstyle=part,%

```



```

17388 toplevel=\m@ne,%
17389 tocindent=\z@,%
17390 tocnumwidth=2em%
17391]{part}
17392\DeclareSectionCommand[%
17393 style=chapter,%
17394 level=\z@,%
17395 pagestyle=plain,%
17396 tocstyle=chapter,%
17397 tocindent=\z@,%
17398 tocnumwidth=1.5em%
17399]{chapter}
17400\DeclareSectionCommand[%
17401 style=section,%
17402 level=1,%
17403 indent=\z@,%
17404 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17405 afterskip=2.3ex \@plus .2ex,%
17406 tocstyle=section,%
17407 tocindent=1.5em,%
17408 tocnumwidth=2.3em%
17409]{section}
17410\DeclareSectionCommand[%
17411 style=section,%
17412 level=2,%
17413 indent=\z@,%
17414 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17415 afterskip=1.5ex \@plus .2ex,%
17416 tocstyle=section,%
17417 tocindent=3.8em,%
17418 tocnumwidth=3.2em%
17419]{subsection}
17420\DeclareSectionCommand[%
17421 style=section,%
17422 level=3,%
17423 indent=\z@,%
17424 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17425 afterskip=1.5ex \@plus .2ex,%
17426 tocstyle=section,%
17427 tocindent=7.0em,%
17428 tocnumwidth=4.1em%
17429]{subsubsection}
17430\DeclareSectionCommand[%
17431 style=section,%
17432 level=4,%
17433 indent=\z@,%
17434 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17435 afterskip=-1em,%
17436 tocstyle=section,%
17437 tocindent=10em,%

```



```

17438   tocnumwidth=5em%
17439 ]{paragraph}
17440 \DeclareSectionCommand[%
17441   style=section,%
17442   level=5,%
17443   indent=\scr@parindent,%
17444   beforekip=3.25ex \@plus1ex \@minus .2ex,%
17445   afterskip=-1em,%
17446   tocstyle=section,%
17447   tocindent=12em,%
17448   tocnumwidth=6em%
17449 ]{subparagraph}
17450
17451

```

105 File scrlettr-xetex-bidi.def

```

17452 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17453 \renewcommand\deffootnote[4] [] {%
17454   \long\def\@makefnmark##1{%
17455     \edef\@tempa{#1}\ifx\@tempa\@empty
17456       \@setpar{\@par
17457         \@tempdima = \hsize
17458         \addtolength{\@tempdima}{-#2}
17459         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17460     \else
17461       \@setpar{\@par
17462         \@tempdima = \hsize
17463         \addtolength{\@tempdima}{-#1}
17464         \@tempdimb = \hsize
17465         \addtolength{\@tempdimb}{-#2}
17466         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17467       \fi
17468     \par
17469     \parindent #3\noindent
17470     \hbox to \z@{\hss\@makefnmark}##1}
17471   \def\@makefnmark{\hbox{#4}}
17472 }
17473 \deffootnote[1em]{1.5em}{1em}
17474 {\textsuperscript{\thefootnotemark}}
17475 \def\left@footnoterule{\kern-1\p@
17476   \hrule width 0.4\columnwidth
17477   \kern .6\p@}
17478 \def\right@footnoterule{%
17479   \kern-1\p@
17480   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17481   \kern .6\p@}
17482 \def\@datefield{\@reffalse
17483   \ifx\varyourref\@empty \else \@reftrue \fi
17484   \ifx\varyourmail\@empty \else \@reftrue \fi

```




```

17485 \ifx\varmyref\@empty \else \@reftrue \fi
17486 \ifx\varcustomer\@empty \else \@reftrue \fi
17487 \ifx\varinvoice\@empty \else \@reftrue \fi
17488 \ifx\varrefitemi\@empty \else \@reftrue \fi
17489 \ifx\varrefitemii\@empty \else \@reftrue \fi
17490 \ifx\varrefitemiii\@empty \else \@reftrue \fi
17491 \vskip -\parskip
17492 \vskip \refvskip
17493 \if@ref
17494 \ifx\varyourref\@empty \else
17495 \settowidth{\sc@temp}{\varyourref}
17496 \setbox0\hbox{\scriptsize \sf \yourrefname}
17497 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17498 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
17499 \fi
17500 \ifx\varyourmail\@empty \else
17501 \settowidth{\sc@temp}{\varyourmail}
17502 \setbox0\hbox{\scriptsize \sf \yourmailname}
17503 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17504 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
17505 \fi
17506 \ifx\varmyref\@empty \else
17507 \settowidth{\sc@temp}{\varmyref}
17508 \setbox0\hbox{\scriptsize \sf \myrefname}
17509 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17510 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17511 \fi
17512 \ifx\varcustomer\@empty \else
17513 \settowidth{\sc@temp}{\varcustomer}
17514 \setbox0\hbox{\scriptsize \sf \customername}
17515 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17516 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17517 \fi
17518 \ifx\varinvoice\@empty \else
17519 \settowidth{\sc@temp}{\varinvoice}
17520 \setbox0\hbox{\scriptsize \sf \invoicename}
17521 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17522 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
17523 \fi
17524 \ifx\varrefitemi\@empty \else
17525 \settowidth{\sc@temp}{\varrefitemi}
17526 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17527 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17528 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
17529 \fi
17530 \ifx\varrefitemii\@empty \else
17531 \settowidth{\sc@temp}{\varrefitemii}
17532 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17533 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17534 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill

```



```

17535 \fi
17536 \ifx\varrefitemiii\@empty \else
17537 \settowidth{\sc@temp}{\varrefitemiii}
17538 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17539 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17540 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
17541 \fi
17542 \ifx\@date\@empty \else
17543 \settowidth{\sc@temp}{\@date}
17544 \setbox0\hbox{\scriptsize \sf \datename}
17545 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17546 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
17547 \fi
17548 \par
17549 \vspace{2.5\baselineskip}
17550 \else
17551 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
17552 \vspace{1.5\baselineskip}
17553 \fi}
17554 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
17555 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
17556 -\sigindent \hspace{\sigindent}}%
17557 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\}\[\presig@sk
17558 \fromsig\strut}\par
17559 \vspace{1.5\baselineskip}}

```

106 File scrreprt-xetex-bidi.def

```

17560 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
17561 \newcommand{\scr@saved@LTRfootnotetext}{}
17562 \newcommand{\scr@saved@RTLfootnotetext}{}
17563 \let\scr@saved@footnotetext\@footnotetext
17564 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17565 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17566 \renewcommand{\@footnotetext}[1]{%
17567 \scr@saved@footnotetext{#1}%
17568 \csname FN@mf@prepare\endcsname
17569 }
17570 \renewcommand{\@LTRfootnotetext}[1]{%
17571 \scr@saved@LTRfootnotetext{#1}%
17572 \csname FN@mf@prepare\endcsname
17573 }
17574 \renewcommand{\@RTLfootnotetext}[1]{%
17575 \scr@saved@RTLfootnotetext{#1}%
17576 \csname FN@mf@prepare\endcsname
17577 }
17578 \renewcommand\deffootnote[4][1]{%
17579 \long\def\@makefntext##1{%
17580 \setlength{\@tempdimc}{#3}%
17581 \def\@tempa{#1}\ifx\@tempa\@empty

```



```

17582 \setpar{\@par
17583 \@tempdima = \hsize
17584 \addtolength{\@tempdima}{-#2}%
17585 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17586 \else
17587 \addtolength{\@tempdimc}{#2}%
17588 \addtolength{\@tempdimc}{-#1}%
17589 \setpar{\@par
17590 \@tempdima = \hsize
17591 \addtolength{\@tempdima}{-#1}%
17592 \@tempdimb = \hsize
17593 \addtolength{\@tempdimb}{-#2}%
17594 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17595 }%
17596 \fi
17597 \par
17598 \parindent\@tempdimc\noindent
17599 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17600 }%
17601 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17602 }
17603 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17604 \renewcommand*\left@footnoterule{%
17605 \normalsize\ftn@rule@test@values
17606 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17607 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17608 {\usekomafont{footnoterule}{%
17609 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17610 \kern 2.6\p@}
17611 \renewcommand*\right@footnoterule{%
17612 \normalsize\ftn@rule@test@values
17613 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17614 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17615 {\usekomafont{footnoterule}{%
17616 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17617 \kern 2.6\p@}
17618 \renewcommand*\maketitle[1][1]{%
17619 \if@titlepage
17620 \begin{titlepage}
17621 \setcounter{page}{%
17622 #1%
17623 }%
17624 \let\footnotesize\small
17625 \let\right@footnoterule\relax
17626 \let\left@footnoterule\relax
17627 \let\textwidth\footnoterule\relax
17628 \let\footnote\thanks
17629 \let\LTRfootnote\LTRthanks
17630 \let\RTLfootnote\RTLthanks
17631 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%

```



```

17632 \let\@oldmakefnmark\@makefnmark
17633 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
17634 \ifx\@extratitle\@empty \else
17635 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17636 \thispagestyle{empty}%
17637 \fi
17638 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17639 \ifx\@titlehead\@empty \else
17640 \begin{minipage}[t]{\textwidth}%
17641 \@titlehead
17642 \end{minipage}\par
17643 \fi
17644 \null\vfill
17645 \begin{center}
17646 \ifx\@subject\@empty \else
17647 {\subject@font \@subject \par}%
17648 \vskip 3em
17649 \fi
17650 {\titlefont\huge \@title\par}%
17651 \vskip 1em
17652 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17653 \vskip 2em
17654 {\Large \lineskip 0.75em
17655 \begin{tabular}[t]{c}
17656 \@author
17657 \end{tabular}\par
17658 }%
17659 \vskip 1.5em
17660 {\Large \@date \par}%
17661 \vskip \z@ \@plus3fill
17662 {\Large \@publishers \par}%
17663 \vskip 3em
17664 \end{center}\par
17665 \@thanks
17666 \vfill\null
17667 \if@twoside\next@tpage
17668 \begin{minipage}[t]{\textwidth}
17669 \@uppertitleback
17670 \end{minipage}\par
17671 \vfill
17672 \begin{minipage}[b]{\textwidth}
17673 \@lowertitleback
17674 \end{minipage}
17675 \fi
17676 \ifx\@dedication\@empty \else
17677 \next@tpage\null\vfill
17678 {\centering \Large \@dedication \par}%
17679 \vskip \z@ \@plus3fill
17680 \if@twoside \next@tpage\cleardoubleemptypage \fi
17681 \fi

```



```

17682 \end{titlepage}
17683 \else
17684 \par
17685 \@tempcnta=%
17686 #1%
17687 \relax\ifnum\@tempcnta=1\else
17688 \ClassWarning{\KOMAClassName}{%
17689 Optional argument of \string\maketitle\space ignored
17690 at\MessageBreak
17691 notitlepage-mode%
17692 }%
17693 \fi
17694 \begingroup
17695 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17696 \let\@oldmakefnmark\@makefnmark
17697 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17698 \if@twocolumn
17699 \ifnum \col@number=\@one
17700 \maketitle
17701 \else
17702 \twocolumn[\maketitle]%
17703 \fi
17704 \else
17705 \newpage
17706 \global\@topnum\z@
17707 \maketitle
17708 \fi
17709 \thispagestyle{\titlepagestyle}\@thanks
17710 \endgroup
17711 \fi
17712 \setcounter{footnote}{0}%
17713 \let\thanks\relax
17714 \let\LTRthanks\relax
17715 \let\RTLthanks\relax
17716 \let\maketitle\relax
17717 \let\@maketitle\relax
17718 \global\let\@thanks\@empty
17719 \global\let\@author\@empty
17720 \global\let\@date\@empty
17721 \global\let\@title\@empty
17722 \global\let\@subtitle\@empty
17723 \global\let\@extratitle\@empty
17724 \global\let\@titlehead\@empty
17725 \global\let\@subject\@empty
17726 \global\let\@publishers\@empty
17727 \global\let\@uppertitleback\@empty
17728 \global\let\@lowertitleback\@empty
17729 \global\let\@dedication\@empty
17730 \global\let\author\relax
17731 \global\let\title\relax

```



```

17732 \global\let\extratitle\relax
17733 \global\let\titlehead\relax
17734 \global\let\subject\relax
17735 \global\let\publishers\relax
17736 \global\let\uppertitleback\relax
17737 \global\let\lowertitleback\relax
17738 \global\let\dedication\relax
17739 \global\let\date\relax
17740 \global\let\and\relax
17741 }%
17742 \renewcommand*{\@maketitle}{%
17743 \clearpage
17744 \let\footnote\thanks
17745 \let\LTRfootnote\LTRthanks
17746 \let\RTLfootnote\RTLthanks
17747 \ifx\@extratitle\@empty \else
17748 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17749 \fi
17750 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
17751 \ifx\@titlehead\@empty \else
17752 \begin{minipage}[t]{\textwidth}
17753 \@titlehead
17754 \end{minipage}\par
17755 \fi
17756 \null
17757 \vskip 2em%
17758 \begin{center}%
17759 \ifx\@subject\@empty \else
17760 {\subject@font \@subject \par}
17761 \vskip 1.5em
17762 \fi
17763 {\titlefont\huge \@title \par}%
17764 \vskip .5em
17765 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17766 \vskip 1em
17767 {\Large
17768 \lineskip .5em%
17769 \begin{tabular}[t]{c}
17770 \@author
17771 \end{tabular}\par
17772 }%
17773 \vskip 1em%
17774 {\Large \@date \par}%
17775 \vskip \z@ \@plus 1em
17776 {\Large \@publishers \par}
17777 \ifx\@dedication\@empty \else
17778 \vskip 2em
17779 {\Large \@dedication \par}
17780 \fi
17781 \end{center}%

```



```

17782 \par
17783 \vskip 2em
17784 }%
17785 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17786 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17787 \renewcommand*\thesection{%
17788 \thechapter\@SepMark%
17789 \@arabic\c@section
17790 }
17791 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17792 \renewcommand*\thesubsubsection{%
17793 \thesubsection\@SepMark\@arabic\c@subsubsection
17794 }
17795 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17796 \renewcommand*\thesubparagraph{%
17797 \theparagraph\@SepMark\@arabic\c@subparagraph
17798 }
17799 \renewcommand*\thefigure{%
17800 \thechapter\@SepMark%
17801 \@arabic\c@figure
17802 }
17803 \renewcommand*\thetable{%
17804 \thechapter\@SepMark%
17805 \@arabic\c@table
17806 }
17807 \renewcommand*\theequation{%
17808 \thechapter\@SepMark%
17809 \@arabic\c@equation
17810 }
17811 \renewenvironment{thebibliography}[1]{%
17812 \if@bib@break@
17813 \bib@beginhook
17814 \else
17815 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17816 \setchapterpreamble{\bibpreamble}%
17817 \fi\fi
17818 \bib@heading
17819 \bib@beginhook
17820 \bib@before@hook
17821 \fi
17822 \renewcommand{\BreakBibliography}[1]{%
17823 \@bib@break
17824 \end{thebibliography}%
17825 \begingroup ##1\endgroup
17826 \begin{thebibliography}{#1}
17827 }%
17828 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17829 \bidi@thebibliography@font@hook%
17830 \list{%
17831 \@biblabel{\@arabic\c@enumiv}%

```



```

17832 }{%
17833   \settowidth\labelwidth{\@biblabel{#1}}%
17834   \leftmargin\labelwidth
17835   \advance\leftmargin\labelsep
17836   \@openbib@code
17837   \if@bib@break@
17838     \edef\@tempa{%
17839       \noexpand\usecounter{enumiv}%
17840       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17841     }\@tempa
17842     \no@bib@break
17843   \else
17844     \usecounter{enumiv}%
17845   \fi
17846   \let\p@enumiv\@empty
17847   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17848 }%
17849 \sloppy\clubpenalty4000 \widowpenalty4000
17850 \sfcode`\.=\@m
17851 }{%
17852 \if@bib@break@
17853   \def\@noitemerr{%
17854     \@latex@warning{%
17855       \string\BreakBibliography\space at begin of `thebibliography'
17856       environment\MessageBreak
17857       or following \string\BreakBibliography}%
17858   }%
17859 \else
17860   \def\@noitemerr{%
17861     \@latex@warning{%
17862       Empty `thebibliography' environment or
17863       \string\BreakBibliography\MessageBreak
17864       before end of `thebibliography' environment}%
17865   }%
17866 \fi
17867 \endlist
17868 \if@bib@break@
17869 \else
17870   \bib@after@hook
17871   \let\bib@before@hook\@empty
17872   \let\bib@after@hook\@empty
17873 \fi
17874 \bib@endhook
17875 }
17876 \renewcommand*\left@footnoterule{%
17877   \kern-3\p@
17878   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17879   \hrule\@width.4\columnwidth
17880   \kern 2.6\p@}
17881 \renewcommand*\right@footnoterule{%

```




```

17882 \kern-3\p@
17883 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17884 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17885 \kern2.6\p@}
17886 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17887 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17888 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17889 \renewcommand\marginline[1]{%
17890 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17891 }
17892 \renewcommand{\@makecaption}[3]{%
17893 \cap@margin
17894 \ifonelinecaptions
17895 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17896 \let\scr@tmp@footnotetext=\@footnotetext
17897 \let\@footnotetext=\@gobble
17898 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17899 \let\@LTRfootnotetext=\@gobble
17900 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17901 \let\@RTLfootnotetext=\@gobble
17902 \sbox\@tempboxa{%
17903 {\capfont{\strut\ignorespaces
17904 #1{\caplabelfont{#2\captionformat}}}%
17905 #3\unskip\strut}}%
17906 }%
17907 \let\@footnotetext=\scr@tmp@footnotetext
17908 \let\scr@tmp@footnotetext=\undefined
17909 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17910 \let\scr@tmp@LTRfootnotetext=\undefined
17911 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17912 \let\scr@tmp@RTLfootnotetext=\undefined
17913 \setcounter{footnote}{\@tempcntb}%
17914 \setcounter{mpfootnote}{\@tempcnta}%
17915 \else
17916 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17917 \fi
17918 \begingroup%
17919 \setlength{\@tempdima}{\cap@width}%
17920 \ifdim \wd\@tempboxa >\@tempdima
17921 \hb@xt@\hsize{%
17922 \setbox\@tempboxa\vbox{\hsize=\cap@width
17923 \ifdofullc@p
17924 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17925 #1{\caplabelfont{#2\captionformat}}}}}%
17926 {#3\unskip\strut\par}}}%
17927 \else%
17928 \ifdim\cap@indent<\z@
17929 {\capfont{\strut\ignorespaces
17930 #1{\caplabelfont{#2\captionformat\par}}}%
17931 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%

```



```

17932         \else%
17933             \if@capbreak
17934                 {\capfont{\strut\ignorespaces
17935                     #1{\caplabelfont{#2\captionformat\par}}}%
17936                     \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17937             \else
17938                 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17939                     {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17940                         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17941             \fi
17942         \fi
17943     \fi
17944 }%
17945 \setlength{\@tempdima}{\ht\@tempboxa}%
17946 \addtolength{\@tempdima}{\dp\@tempboxa}%
17947 \addtolength{\@tempdima}{-\ht\strutbox}%
17948 \ht\@tempboxa\ht\strutbox
17949 \dp\@tempboxa\@tempdima
17950 \strut\cap@left
17951 \box\@tempboxa
17952 \cap@right\strut
17953 }%
17954 \else
17955     \global \@minipagefalse
17956     \sbox\@tempboxa{%
17957         {\capfont{\scr@smashdp{\strut\ignorespaces
17958             #1{\caplabelfont{#2\captionformat}}}%
17959             #3}}}%
17960     }%
17961     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}}%
17962     \fi
17963 \endgroup
17964 }
17965 \renewcommand{\@makecaption}[2]{%
17966     \if@captionabove
17967         \vskip\belowcaptionskip
17968     \else
17969         \vskip\abovecaptionskip
17970     \fi
17971     @@makecaption\@firstofone{#1}{#2}%
17972     \if@captionabove
17973         \vskip\abovecaptionskip
17974     \else
17975         \vskip\belowcaptionskip
17976     \fi
17977 }
17978 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17979     \@ifpackageloaded{caption2}{\@komalongtablefalse
17980         \scr@caption@before@longtable@warning{caption2}%
17981     }{}%

```



```

17982 \if@komalongtable
17983 \renewcommand{\LT@makecaption}[3]{%
17984 \noalign{%
17985 \if@captionabove
17986 \vskip\belowcaptionskip
17987 \else
17988 \vskip\abovecaptionskip
17989 \fi
17990 }%
17991 \LT@mcol\LT@cols c{%
17992 \hbox to\z@{\hss\parbox[t]\linewidth{%
17993 \@makecaption{#1}{#2}{#3}%
17994 \endgraf
17995 \if@captionabove
17996 \vskip\abovecaptionskip
17997 \else
17998 \vskip\belowcaptionskip
17999 \fi
18000 }%
18001 \hss
18002 }%
18003 }%
18004 }%
18005 \renewcommand*{\scr@LT@array}{}%
18006 \let\scr@LT@array=\LT@array
18007 \renewcommand*{\LT@array}{%
18008 \let\scr@caption=\LT@caption
18009 \def\captionabove{\noalign{\global\@captionabovetrue}%
18010 \scr@caption}%
18011 \def\captionbelow{\noalign{\global\@captionabovefalse}%
18012 \scr@caption}%
18013 \if@tablecaptionabove
18014 \let\LT@caption=\captionabove
18015 \else
18016 \let\LT@caption=\captionbelow
18017 \fi
18018 \scr@LT@array
18019 }%
18020 \ClassInfo{\KOMAClassName}{%
18021 longtable captions redefined%
18022 }%
18023 \fi
18024 }
18025
18026 \CloneTOCEntryStyle{tocline}{part}
18027 \TOCEntryStyleStartInitCode{part}{%
18028 \expandafter\renewcommand%
18029 \csname scr@tso@#1@linefill\endcsname{\hfill}%
18030 \expandafter\renewcommand%
18031 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%

```



```

18032 \expandafter\renewcommand%
18033 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18034   \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18035 \expandafter\renewcommand\expandafter*%
18036 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18037 }
18038
18039 \CloneTOCEntryStyle{tocline}{chapter}
18040 \TOCEntryStyleStartInitCode{chapter}{%
18041   \expandafter\renewcommand%
18042   \csname scr@tso@#1@linefill\endcsname{%
18043     \ifchapterentrywithdots
18044       \TOCLineLeaderFill\relax
18045     \else
18046       \hfill
18047     \fi
18048   }%
18049   \expandafter\renewcommand%
18050   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18051   \expandafter\renewcommand%
18052   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18053     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18054   \expandafter\renewcommand\expandafter*%
18055   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18056 }
18057
18058 \CloneTOCEntryStyle{tocline}{section}
18059 \TOCEntryStyleStartInitCode{section}{%
18060   \expandafter\renewcommand%
18061   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18062 }
18063
18064 \CloneTOCEntryStyle{section}{default}
18065
18066 \DeclareSectionCommand[%
18067   style=part,%
18068   level=\m@ne,%
18069   pagestyle=plain,%
18070   tocstyle=part,%
18071   toclevel=\m@ne,%
18072   tocindent=\z@,%
18073   tocnumwidth=2em%
18074 ]{part}
18075 \DeclareSectionCommand[%
18076   style=chapter,%
18077   level=\z@,%
18078   pagestyle=plain,%
18079   tocstyle=chapter,%
18080   tocindent=\z@,%
18081   tocnumwidth=1.5em%

```



```

18082]{chapter}
18083\DeclareSectionCommand[%
18084  style=section,%
18085  level=1,%
18086  indent=\z@,%
18087  beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18088  afterskip=2.3ex \@plus .2ex,%
18089  tocstyle=section,%
18090  tocindent=1.5em,%
18091  tocnumwidth=2.3em%
18092]{section}
18093\DeclareSectionCommand[%
18094  style=section,%
18095  level=2,%
18096  indent=\z@,%
18097  beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18098  afterskip=1.5ex \@plus .2ex,%
18099  tocstyle=section,%
18100  tocindent=3.8em,%
18101  tocnumwidth=3.2em%
18102]{subsection}
18103\DeclareSectionCommand[%
18104  style=section,%
18105  level=3,%
18106  indent=\z@,%
18107  beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18108  afterskip=1.5ex \@plus .2ex,%
18109  tocstyle=section,%
18110  tocindent=7.0em,%
18111  tocnumwidth=4.1em%
18112]{subsubsection}
18113\DeclareSectionCommand[%
18114  style=section,%
18115  level=4,%
18116  indent=\z@,%
18117  beforekip=3.25ex \@plus 1ex \@minus .2ex,%
18118  afterskip=-1em,%
18119  tocstyle=section,%
18120  tocindent=10em,%
18121  tocnumwidth=5em%
18122]{paragraph}
18123\DeclareSectionCommand[%
18124  style=section,%
18125  level=5,%
18126  indent=\scr@parindent,%
18127  beforekip=3.25ex \@plus 1ex \@minus .2ex,%
18128  afterskip=-1em,%
18129  tocstyle=section,%
18130  tocindent=12em,%
18131  tocnumwidth=6em%

```



```

18132]{subparagraph}
18133
18134

```

107 File sidecap-xetex-bidi.def

```

18135\ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18136\renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18137  \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18138 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18139 \renewcommand*{\SC@justify@caption}{\if@RTL%
18140 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
18141 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```

108 File soul-xetex-bidi.def

```

18142\ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18143\long\def\SOUL@start#1{%
18144  \let\bid@RTL@everypar\@empty
18145  \let\<\SOUL@lowerthan
18146  \let\>\empty
18147  \def\soulomit{\noexpand\soulomit}%
18148  \gdef\SOUL@eventuallyexhyphen##1{%
18149  \let\SOUL@soeventuallyskip\relax
18150  \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@@\font
18151  \@minus\fontdimen4\font
18152  \SOUL@ignorespacesfalse
18153  \leavevmode
18154  \SOUL@preamble
18155  \SOUL@lasttoken={}%
18156  \SOUL@word={}%
18157  \SOUL@minus\z@
18158  \SOUL@comma\z@
18159  \SOUL@apo\z@
18160  \SOUL@grave\z@
18161  \SOUL@do{#1}%
18162  \SOUL@postamble
18163}}
18164\def\SOUL@ulunderline#1{%
18165  \setbox\z@\hbox{#1}%
18166  \dimen@=\wd\z@
18167  \dimen@i=\SOUL@uloverlap
18168  \advance\dimen@2\dimen@i
18169  \if@RTL
18170  \unhcopy\z@
18171  \llap{%
18172    \null
18173    \kern-\dimen@i
18174    \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18175  }%

```



```

18176 \else
18177 \rlap{%
18178 \null
18179 \kern-\dimen@i
18180 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18181 }%
18182 \unhcopy\z@
18183 \fi
18184 }}
18185 \def\bid@SOUL@ulleaders{%
18186 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
18187 }
18188 \def\SOUL@uleverySPACE#1{%
18189 \if@RTL
18190 #1%
18191 \bid@SOUL@ulleaders
18192 \hskip\spaceskip
18193 \else
18194 \SOUL@ulcolor{%
18195 #1%
18196 \SOUL@ulleaders
18197 \hskip\spaceskip
18198 }%
18199 \fi
18200 \null
18201 }

```

109 File stabular-xetex-bidi.def

```

18202 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18203 \def\@stabular{%
18204 \leavevmode \bgroup \if@RTLtab\beginR \fi
18205 \let\@acol\@tabacol
18206 \let\@classz\@tabclassz
18207 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18208 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18209 \egroup \if@RTLtab\endR\fi\egroup}
18210 \expandafter \let \csname endstabular*\endcsname = \endstabular
18211 \def\@sarray[#1]#2{%
18212 \bgroup
18213 \setbox\@arstrutbox\hbox{%
18214 \vrule \@height\arraystretch\ht\strutbox
18215 \@depth\arraystretch \dp\strutbox
18216 \@width\z@}%
18217 \mkpream{#2}%
18218 \edef\@preamble{%
18219 \ialign \noexpand\@halignto
18220 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18221 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18222 \let\@tabularnewline\%

```



```

18223 \let\@sharp##%
18224 \set@typeset@protect
18225 \lineskip\z@skip\baselineskip\z@skip
18226 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18227 \@preamble}

```

110 File subfigure-xetex-bidi.def

```

18228 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18229 \AtBeginDocument{%
18230 \let\p@subfigure=\thefigure
18231 \let\p@subtable=\thetable%
18232 }

```

111 File tabs-xetex-bidi.def

```

18233 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
18234 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18235
18236 \expandafter\let\csname endtabular*\endcsname=\endtabular
18237
18238 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18239 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18240 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18241
18242 \def\@array[#1]#2{% remember global variables to allow recursion:
18243 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18244 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18245 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18246 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18247 \else \let\@tarlinesep\tablinesep \fi
18248 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18249 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18250 \tempdima\arraystretch\ht\strutbox \tempdimb\arraystretch\dp\strutbox
18251 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18252 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
18253 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18254 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18255 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18256 \let\protect\noexpand
18257 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18258 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18259 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18260 \if#1t\top \else \if#1b\vbox \else \vcenter \fi\fi
18261 \bgroup \let\par\empty
18262 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18263 \advance\extrarulesep.5\arrayrulewidth
18264 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18265 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \vbox \fi\bgroup\fi
18266 \@preamble}

```



112 File tabularx-xetex-bidi.def

```

18267 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
18268 \def\TX@endtabularx{%
18269   \expandafter\expandafter\expandafter
18270     \TX@find@endtabularxa\csname end\TX@\endcsname
18271     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18272   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18273   \let\verb\TX@verb
18274   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18275   \edef\TX@ckpt{\cl@ckpt}%
18276   \let\@elt\relax
18277   \TX@old@table\maxdimen
18278   \TX@col@width\TX@target
18279   \global\TX@cols\@ne
18280   \TX@typeout@
18281     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18282   \TX@trial{\def\NC@rewriteX{%
18283     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18284   \loop
18285     \TX@arith
18286     \ifTX@
18287       \TX@trial{}%
18288     \repeat
18289   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18290    \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18291    \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18292    \csname tabular*\expandafter\endcsname\expandafter\TX@target
18293      \the\toks@
18294      \csname endtabular*\endcsname}%
18295   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18296   \ifnum0=\@fi}%
18297   \expandafter\expandafter\expandafter
18298     \TX@find@endtabularxbb
18299     \expandafter\end\expandafter{\TX@}%
18300   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18301 }
18302
18303 \def\TX@trial#1{%
18304   \setbox\@tempboxa\hbox{%
18305     #1\relax
18306   \let\@footnotetext\TX@trial@ftn
18307   \let\@LTRfootnotetext\TX@trial@ftn
18308   \let\@RTLfootnotetext\TX@trial@ftn
18309   \let\TX@vwarn\@empty
18310   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18311   \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18312   \def\write{\begingroup
18313     \let\afterassignment\endgroup\toks@}%
18314     \afterassignment\let\count@}%

```



```

18315 \hbadness\@M
18316 \hfuzz\maxdimen
18317 \let\hbadness\@tempcnta
18318 \let\hfuzz\@tempdima
18319 \expandafter\tabular\the\toks@
18320 \endtabular}%
18321 \TX@ckpt
18322 \TX@typeout@{\@spaces
18323 \expandafter\TX@align
18324 \the\wd\@tempboxa\space\space\space\space\space\@@
18325 \expandafter\TX@align
18326 \the\TX@colwidth\space\space\space\space\space\@@
18327 \@spaces\the\TX@cols}}
18328
18329 \long\def\TX@LTRftntext#1{%
18330 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18331 [\the\csname c@\@mpfn\endcsname]}}%
18332 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18333 \long\def\TX@xLTRftntext[#1]#2{%
18334 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18335
18336 \long\def\TX@RTLftntext#1{%
18337 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18338 [\the\csname c@\@mpfn\endcsname]}}%
18339 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18340 \long\def\TX@xRTLftntext[#1]#2{%
18341 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

113 File tabulary-xetex-bidi.def

```

18342 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18343 \def\@testpach{\@chclass
18344 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18345 \ifnum \@lastchclass=7 5 \else
18346 \ifnum \@lastchclass=8 \tw@ \else
18347 \ifnum \@lastchclass=9 \thr@@
18348 \else \z@
18349 \ifnum \@lastchclass = 10 \else
18350 \edef\@nextchar{\expandafter\string\@nextchar}%
18351 \@chnum
18352 \if \@nextchar c\z@ \else
18353 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18354 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18355 \if \@nextchar C7 \else
18356 \if \@nextchar L8 \else
18357 \if \@nextchar R9 \else
18358 \if \@nextchar J10 \else
18359 \z@ \@chclass
18360 \if\@nextchar |\@ne \else
18361 \if \@nextchar !6 \else

```



```

18362 \if \@nextchar @7 \else
18363 \if \@nextchar <8 \else
18364 \if \@nextchar >9 \else
18365 10
18366 \@chnum
18367 \if \@nextchar m\thr@@\else
18368 \if \@nextchar p4 \else
18369 \if \@nextchar b5 \else
18370 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18371 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

114 File tc-xetex-bidi.def

```

18372 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18373 \def\@cliptoboxdim#1{%
18374   \setbox#1=\hbox{%
18375     \Gin@defaultbp\WIDTH{\wd#1}%
18376     \Gin@defaultbp\DEPTH{\dp#1}%
18377     \@tempdima\ht#1%
18378     \advance\@tempdima\dp#1%
18379     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18380     \beginL\special{pdf:bcontent }%
18381     \special{%
18382       pdf:literal direct
18383       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18384     }%
18385     \special{pdf:literal direct W }%
18386     \special{pdf:literal direct n }%
18387     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18388     \special{pdf:econtent }\endL%
18389   }%
18390 }

```

115 File tcolorbox-xetex-bidi.def

```

18391 \ProvidesFile{tcolorbox-xetex-bidi.def}[2017/08/15 v0.1 bidi adaptations for tcolorbox package]
18392 \let\endtcbox@lrbox=\endminipage
18393 \let\endtcbox@savebox=\endtcbox@lrbox
18394
18395 \bidi@patchcmd{\tcboxvbox}{%
18396   \let\@footnotetext\@mpfootnotetext%
18397 }{%
18398   \let\@footnotetext\@mpfootnotetext%
18399   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18400   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18401 }{}{}
18402
18403 \bidi@patchcmd{\endtcboxvbox}{%
18404   \footnoterule%
18405 }{%

```



```

18406 \bidi@mpfootnoterule%
18407 }{}{}

```

116 File titlesec-xetex-bidi.def

```

18408 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18409 \renewcommand\filright{%
18410   \gdef\ttl@filleft##1{\hskip##1}%
18411   \gdef\ttl@filright##1{\hfill}%
18412   \let\\\@centercr
18413   \advance\rightskip\z@ \@plus 1fil
18414   \parfillskip\z@}
18415 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18416   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18417   \setlength\leftskip{#6}%
18418   \setlength\rightskip{#7}%
18419   \interlinepenalty\@M
18420   \ttl@change@centercr
18421   \ttl@begin@longest
18422   #1{\ifhmode\ttl@hmode@error\fi
18423     \ttl@glcmds
18424     \parindent\z@
18425     \leavevmode
18426     \begin@group
18427     \ifttl@label
18428       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18429       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18430       \llap{\box\z@}%
18431     \fi
18432     #4{#8}%
18433     \kern\z@\strut\@par
18434   \endgroup
18435   \nobreak\ttl@midlongest#5\@par}%
18436 \ttl@endlongest}

```

117 File titletoc-xetex-bidi.def

```

18437 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18438 \renewcommand\filright{%
18439   \gdef\ttl@filleft##1{\hskip##1}%
18440   \gdef\ttl@filright##1{\hfill}%
18441   \let\\\@centercr
18442   \advance\rightskip\z@ \@plus 1fil
18443   \parfillskip\z@}
18444 \renewcommand\contentspush[1]{%
18445   \sbox\z@{#1}%
18446   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18447   \aftergroup\ttl@b
18448   \leavevmode\llap{\box\z@}}
18449 \def\ttl@outnoblock#1#2#3{%

```



```

18450 \begingroup
18451 \ifnum\ttl@b>\ttl@a
18452   \nobreak
18453 \else\ifnum\ttl@b<\ttl@a
18454   \addpenalty{\@secpenalty}%
18455 \else
18456   \addpenalty{\z@}%
18457 \fi\fi
18458 \ttl@contentsstretch
18459 \nobreak
18460 \ifcase#1\relax\else\interlinepenalty\@M\fi
18461 \parindent\z@
18462 \ifx\@nil#2%
18463   \PackageError{titletoc}{Unimplemented}%
18464   {The optional argument is currently mandatory}%
18465 \else
18466   \if@RTL\setlength\rightskip{#2}\else
18467     \setlength\leftskip{#2}\fi%
18468 \fi
18469 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18470 \let\contentsmargin\ttl@margin
18471 \def\ttl@makeline##1{##1}%
18472 #3%
18473 \addtolength{\parfillskip}{-\ttl@corr}%
18474 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18475 \let\ttl@leaders\leaders}
18476 \renewcommand\ttl@margin[2][\z@]{%
18477   \def\ttl@corr{#1}%
18478   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18479   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18480   \def\@pnumwidth{#2}}
18481 \let\ttl@savel@part\l@part
18482 \def\l@part{\ttl@lselect{part}}
18483
18484 \let\ttl@savel@chapter\l@chapter
18485 \def\l@chapter{\ttl@lselect{chapter}}

```

118 File tocbibind-xetex-bidi.def

```

18486 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
18487 \if@dotocbib
18488   \ifpackageloaded{natbib}{\% natbib not loaded
18489     \renewcommand{\bibsection}{\t@cb@bchapsec}
18490     \renewenvironment{thebibliography}[1]{%
18491       \bibsection
18492       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
18493   \renewenvironment{thebibitemlist}[1]{
18494     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18495     \bidi@thebibliography@font@hook%
18496     \list{\@biblabel{\@arabic{c@enumiv}}}%

```



```

18497         {\settowidth\labelwidth{\@biblabel{#1}}%
18498         \leftmargin\labelwidth
18499         \advance\leftmargin\labelsep
18500         \@openbib@code
18501         \usecounter{enumiv}%
18502         \let\p@enumiv\@empty
18503         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18504     \sloppy
18505     \clubpenalty4000
18506     \@clubpenalty \clubpenalty
18507     \widowpenalty4000%
18508     \sfcode`\.\@m}
18509 {\def\@noitemerr
18510   {\@latex@warning{Empty `thebibliography' environment}}}%
18511   \endlist}
18512
18513   \ifpackagewith{chapterbib}{sectionbib}%
18514     {\renewcommand{\sectionbib}[2]{}}%
18515     {}
18516
18517 \fi
18518 \if@inltxdoc\else
18519   \renewenvironment{theindex}%
18520   {\if@twocolumn
18521     \@restonecolfalse
18522     \else
18523       \@restonecoltrue
18524     \fi
18525     \if@bibchapter
18526       \if@donumindex
18527         \refstepcounter{chapter}
18528         \twocolumn[\vspace*{2\topskip}%
18529           \@makechapterhead{\indexname}}%
18530         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18531         \chaptermark{\indexname}
18532       \else
18533         \if@dotocind
18534           \twocolumn[\vspace*{2\topskip}%
18535             \@makeschapterhead{\indexname}}%
18536           \prw@mkboth{\indexname}
18537           \addcontentsline{toc}{chapter}{\indexname}
18538         \else
18539           \twocolumn[\vspace*{2\topskip}%
18540             \@makeschapterhead{\indexname}}%
18541           \prw@mkboth{\indexname}
18542         \fi
18543       \fi
18544     \else
18545       \if@donumindex
18546         \twocolumn[\vspace*{-1.5\topskip}%

```



```

18547         \@nameuse{\@tocextra}{\indexname}}%
18548         \csname \@tocextra mark\endcsname{\indexname}
18549     \else
18550         \if@dotocind
18551             \twocolumn[\vspace*{-1.5\topskip}%
18552                 \toc@headstar{\@tocextra}{\indexname}}%
18553             \prw@mkboth{\indexname}
18554             \addcontentsline{toc}{\@tocextra}{\indexname}
18555         \else
18556             \twocolumn[\vspace*{-1.5\topskip}%
18557                 \toc@headstar{\@tocextra}{\indexname}}%
18558             \prw@mkboth{\indexname}
18559         \fi
18560     \fi
18561 \fi
18562 \thispagestyle{plain}\parindent\z@
18563 \parskip\z@ \@plus .3\p@\relax
18564 \let\item\@idxitem}
18565 {\if@restonecol\onecolumn\else\clearpage\fi}
18566 \fi

```

119 File tocloft-xetex-bidi.def

```

18567 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
18568 \let\cftdot\@SepMark
18569 \if@cfthaspart
18570 \renewcommand*{\l@part}[2]{
18571     \@cftdopartfalse
18572     \ifnum \c@tocdepth >-2\relax
18573         \if@cfthaschapter
18574             \@cftdoparttrue
18575         \fi
18576         \ifnum \c@tocdepth >\m@ne
18577             \if@cfthaschapter\else
18578                 \@cftdoparttrue
18579             \fi
18580         \fi
18581     \fi
18582 \if@cftdopart
18583     \if@cfthaschapter
18584         \addpenalty{-\@highpenalty}
18585     \else
18586         \addpenalty\@secpenalty
18587     \fi
18588     \addvspace{\cftbeforepartskip}
18589     \begingroup
18590     {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
18591     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18592     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18593     \parindent \cftpartindent\relax\@afterindenttrue

```



```

18594 \interlinepenalty\@M
18595 \leavevmode
18596 \@tempdima \cftpartnumwidth\relax
18597 \let\@cftbsnum \cftpartpresnum
18598 \let\@cftasnum \cftpartaftersnum
18599 \let\@cftasnumb \cftpartaftersnumb
18600 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18601 {\cftpartfont \cftpartpresnum #1}
18602 \cftpartfillnum{#2}}
18603 \nobreak
18604 \if@cfthaschapter
18605 \global\@nobreaktrue
18606 \everypar{\global\@nobreakfalse\everypar{}}
18607 \else
18608 \if@compatibility
18609 \global\@nobreaktrue
18610 \everypar{\global\@nobreakfalse\everypar{}}
18611 \fi
18612 \fi
18613 \endgroup
18614 \fi}
18615 \fi
18616 \if@cfthaschapter
18617 \renewcommand*{\l@chapter}[2]{
18618 \ifnum \c@tocdepth >\m@ne
18619 \addpenalty{-\@highpenalty}
18620 \vskip \cftbeforechapskip
18621 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
18622 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18623 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18624 \parindent \cftchapindent\relax\@afterindenttrue
18625 \interlinepenalty\@M
18626 \leavevmode
18627 \@tempdima \cftchapnumwidth\relax
18628 \let\@cftbsnum \cftchappresnum
18629 \let\@cftasnum \cftchapaftersnum
18630 \let\@cftasnumb \cftchapaftersnumb
18631 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18632 {\cftchapfont #1}\nobreak
18633 \cftchapfillnum{#2}}
18634 \fi}
18635 \fi
18636 \renewcommand*{\l@section}[2]{%
18637 \ifnum \c@tocdepth >\z@
18638 \if@cfthaschapter
18639 \vskip \cftbeforesecskip
18640 \else
18641 \addpenalty\@secpenalty
18642 \addvspace{\cftbeforesecskip}
18643 \fi

```




```

18644 {\if@RTL\rightrightskip\else\leftskip\fi \cftsecindent\relax
18645 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18646 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18647 \parindent \cftsecindent\relax\@afterindenttrue
18648 \interlinepenalty\@M
18649 \leavevmode
18650 \@tempdima \cftsecnumwidth\relax
18651 \let\@cftbsnum \cftsecpresnum
18652 \let\@cftasnum \cftsecaftersnum
18653 \let\@cftasnumb \cftsecaftersnumb
18654 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18655 {\cftsecfont #1}\nobreak
18656 \cftsecfillnum{#2}}
18657 \fi}
18658 \renewcommand*{\l@section}[2]{%
18659 \ifnum \c@tocdepth >\@ne
18660 \vskip \cftbeforesubsecskip
18661 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsecindent\relax
18662 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18663 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18664 \parindent \cftsubsecindent\relax\@afterindenttrue
18665 \interlinepenalty\@M
18666 \leavevmode
18667 \@tempdima \cftsubsecnumwidth\relax
18668 \let\@cftbsnum \cftsubsecpresnum
18669 \let\@cftasnum \cftsubsecaftersnum
18670 \let\@cftasnumb \cftsubsecaftersnumb
18671 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18672 {\cftsubsecfont #1}\nobreak
18673 \cftsubsecfillnum{#2}}
18674 \fi}
18675 \renewcommand*{\l@subsection}[2]{%
18676 \ifnum \c@tocdepth >\tw@
18677 \vskip \cftbeforesubsubsecskip
18678 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsubsecindent\relax
18679 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18680 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18681 \parindent \cftsubsubsecindent\relax\@afterindenttrue
18682 \interlinepenalty\@M
18683 \leavevmode
18684 \@tempdima \cftsubsubsecnumwidth\relax
18685 \let\@cftbsnum \cftsubsubsecpresnum
18686 \let\@cftasnum \cftsubsubsecaftersnum
18687 \let\@cftasnumb \cftsubsubsecaftersnumb
18688 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18689 {\cftsubsubsecfont #1}\nobreak
18690 \cftsubsubsecfillnum{#2}}
18691 \fi}
18692 \renewcommand*{\l@paragraph}[2]{%
18693 \ifnum \c@tocdepth >3\relax

```



```

18694 \vskip \cftbeforeparaskip
18695 {\if@RTL\rightrightskip\else\leftskip\fi \cftparaindent\relax
18696 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18697 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18698 \parindent \cftparaindent\relax\@afterindenttrue
18699 \interlinepenalty\@M
18700 \leavevmode
18701 \@tempdima \cftparanumwidth\relax
18702 \let\@cftbsnum \cftparapresnum
18703 \let\@cftasnum \cftparaaftersnum
18704 \let\@cftasnumb \cftparaaftersnumb
18705 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18706 {\cftparafont #1}\nobreak
18707 \cftparafillnum{#2}}
18708 \fi}
18709 \renewcommand*{\l@subparagraph}[2]{%
18710 \ifnum \c@tocdepth >4\relax
18711 \vskip \cftbeforesubparaskip
18712 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
18713 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18714 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18715 \parindent \cftsubparaindent\relax\@afterindenttrue
18716 \interlinepenalty\@M
18717 \leavevmode
18718 \@tempdima \cftsubparanumwidth\relax
18719 \let\@cftbsnum \cftsubparapresnum
18720 \let\@cftasnum \cftsubparaaftersnum
18721 \let\@cftasnumb \cftsubparaaftersnumb
18722 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18723 {\cftsubparafont #1}\nobreak
18724 \cftsubparafillnum{#2}}
18725 \fi}
18726 \renewcommand*{\l@figure}[2]{%
18727 \ifnum \c@lofdepth >\z@
18728 \vskip \cftbeforefigskip
18729 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
18730 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18731 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18732 \parindent \cftfigindent\relax\@afterindenttrue
18733 \interlinepenalty\@M
18734 \leavevmode
18735 \@tempdima \cftfignumwidth\relax
18736 \let\@cftbsnum \cftfigpresnum
18737 \let\@cftasnum \cftfigaftersnum
18738 \let\@cftasnumb \cftfigaftersnumb
18739 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18740 {\cftfigfont #1}\nobreak
18741 \cftfigfillnum{#2}}
18742 \fi
18743 }

```



```

18744 \renewcommand*{\l@table}[2]{%
18745   \ifnum\c@lotdepth >\z@
18746     \vskip \cftbeforetabskip
18747     {\if@RTL\righskip\else\leftskip\fi \cfttabindent\relax
18748     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18749     \parfillskip -\if@RTL\leftskip\else\righskip\fi
18750     \parindent \cfttabindent\relax\@afterindenttrue
18751     \interlinepenalty\@M
18752     \leavevmode
18753     \@tempdima \cfttabnumwidth\relax
18754     \let\@cftbsnum \cfttabpresnum
18755     \let\@cftasnum \cfttabaftersnum
18756     \let\@cftasnumb \cfttabaftersnumb
18757     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
18758     {\cfttabfont #1}\nobreak
18759     \cfttabfillnum{#2}}
18760   \fi
18761 }
18762 \renewcommand{\@cftl@subfig}{%
18763 \renewcommand*{\l@subfigure}[2]{%
18764   \ifnum \c@lofdepth > \toclevel@subfigure
18765     \vskip \cftbeforesubfigskip
18766     {\if@RTL\righskip\else\leftskip\fi \cftsubfigindent\relax
18767     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18768     \parfillskip -\if@RTL\leftskip\else\righskip\fi
18769     \parindent \cftsubfigindent\relax\@afterindenttrue
18770     \interlinepenalty\@M
18771     \leavevmode
18772     \@tempdima \cftsubfignumwidth\relax
18773     \let\@cftbsnum \cftsubfigpresnum
18774     \let\@cftasnum \cftsubfigaftersnum
18775     \let\@cftasnumb \cftsubfigaftersnumb
18776     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
18777     {\cftsubfigfont ##1}\nobreak
18778     \cftsubfigfillnum{##2}}
18779   \fi
18780 }
18781 }
18782 \renewcommand{\@cftl@subtab}{%
18783 \renewcommand*{\l@subtable}[2]{%
18784   \ifnum \c@lotdepth > \toclevel@subtable
18785     \vskip \cftbeforesubtabskip
18786     {\if@RTL\righskip\else\leftskip\fi \cftsubtabindent\relax
18787     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18788     \parfillskip -\if@RTL\leftskip\else\righskip\fi
18789     \parindent \cftsubtabindent\relax\@afterindenttrue
18790     \interlinepenalty\@M
18791     \leavevmode
18792     \@tempdima \cftsubtabnumwidth\relax
18793     \let\@cftbsnum \cftsubtabpresnum

```



```

18794 \let\@cftasnum \cftsubtabaftersnum
18795 \let\@cftasnumb \cftsubtabaftersnumb
18796 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18797 {\cftsubtabfont ##1}\nobreak
18798 \cftsubtabfillnum{##2}}
18799 \fi
18800 }
18801 }
18802 \renewcommand{\newlistentry}[4][\@empty]{%
18803 \ifundefined{c@#2}{% check & set the counter
18804 \ifx \@empty#1\relax
18805 \newcounter{#2}
18806 \else
18807 \ifundefined{c@#1}{\PackageWarning{tocloft}%
18808 {#1 has no counter for use as a `within'}
18809 \newcounter{#2}}%
18810 {\newcounter{#2}[#1]%
18811 \expandafter\edef\csname the#2\endcsname{%
18812 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
18813 \fi
18814 \setcounter{#2}{0}
18815 }
18816 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
18817
18818 \@namedef{l@#2}##1##2{%
18819 \ifnum \@nameuse{c@#3depth} > #4\relax
18820 \vskip \@nameuse{cftbefore#2skip}
18821 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}}\relax
18822 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18823 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18824 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
18825 \interlinepenalty\@M
18826 \leavevmode
18827 \@tempdima \@nameuse{cft#2numwidth}\relax
18828 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
18829 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
18830 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
18831 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18832 {\@nameuse{cft#2font}##1}\nobreak
18833 \@nameuse{cft#2fillnum}{##2}}
18834 \fi
18835 } % end of l@#2
18836
18837 \expandafter\newlength\csname cftbefore#2skip\endcsname
18838 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
18839 \expandafter\newlength\csname cft#2indent\endcsname
18840 \expandafter\newlength\csname cft#2numwidth\endcsname
18841 \ifcase #4\relax % 0
18842 \setlength{\@nameuse{cft#2indent}}{0em}
18843 \setlength{\@nameuse{cft#2numwidth}}{1.5em}

```



```

18844 \or % 1
18845 \setlength{\@nameuse{cft#2indent}}{1.5em}
18846 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
18847 \or % 2
18848 \setlength{\@nameuse{cft#2indent}}{3.8em}
18849 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
18850 \or % 3
18851 \setlength{\@nameuse{cft#2indent}}{7.0em}
18852 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
18853 \else % anything else
18854 \setlength{\@nameuse{cft#2indent}}{10.0em}
18855 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
18856 \fi
18857 \@namedef{cft#2font}{\normalfont}
18858 \@namedef{cft#2presnum}{\}
18859 \@namedef{cft#2aftersnum}{\}
18860 \@namedef{cft#2aftersnumb}{\}
18861 \@namedef{cft#2dotsep}{\cftdotsep}
18862 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
18863 \@namedef{cft#2pagefont}{\normalfont}
18864 \@namedef{cft#2afterpnum}{\}
18865 \@namedef{toclevel@#2}{#4}
18866 \@namedef{cft#2fillnum}##1{%
18867 \{\@nameuse{cft#2leader}\}\nobreak
18868 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
18869 } % end \newlistentry
18870 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
18871 \if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
18872 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
18873 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
18874 \textit{#1}\protect\par}}}

```

120 File tocbasic-xetex-bidi.def

```

18875 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
18876 \bidi@undef\scr@dte@def@l@undottedtocline
18877 \bidi@undef\scr@dte@undottedtocline@init
18878 \DeclareTOCEntryStyle{undottedtocline}[{%
18879 \DefineTOCEntryLengthOption{indent}%
18880 {\scr@tso@}{@indent}{entry indent}%
18881 \DefineTOCEntryLengthOption{numwidth}%
18882 {\scr@tso@}{@numwidth}{entry number width}%
18883 \@ifundefined{#1tocdepth}{%
18884 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18885 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18886 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18887 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18888 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18889 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18890 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%

```



```

18891         \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18892         \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18893             \expandafter\let\csname #1tocdepth\expandafter\endcsname
18894             \csname #1numdepth\endcsname
18895         }%
18896     }%
18897 }%
18898 }%
18899 }%
18900 }%
18901 }%
18902 }%
18903 }%
18904 }{}%
18905 \@ifundefined{scr@tso@#1@indent}{%
18906     \@ifundefined{scr@#1@tocindent}{%
18907         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18908         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18909         \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18910         \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18911             \scr@ifundefinedorrelax{1@chapter}{%
18912                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18913                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18914                 \ifstr{#1}{subsubsection}{%
18915                     \@namedef{scr@tso@#1@indent}{3.8em}%
18916                 }{%
18917                     \ifstr{#1}{paragraph}{%
18918                         \@namedef{scr@tso@#1@indent}{7em}%
18919                     }{%
18920                         \ifstr{#1}{subparagraph}{%
18921                             \@namedef{scr@tso@#1@indent}{10em}%
18922                         }{%
18923                             }%
18924                         }%
18925                     }%
18926                 }%
18927             }%
18928         }{}%
18929         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18930         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18931         \ifstr{#1}{subsubsection}{%
18932             \@namedef{scr@tso@#1@indent}{7.0em}%
18933         }{%
18934             \ifstr{#1}{paragraph}{%
18935                 \@namedef{scr@tso@#1@indent}{10em}%
18936             }{%
18937                 \ifstr{#1}{subparagraph}{%
18938                     \@namedef{scr@tso@#1@indent}{12em}%
18939                 }{%
18940                     }%

```



```

18941         }%
18942     }%
18943 }%
18944 }%
18945 }%
18946 }%
18947 }%
18948 }%
18949 }%
18950 }{%
18951     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18952 }%
18953 }{}%
18954 \@ifundefined{scr@tso@#1@numwidth}{%
18955     \@ifundefined{scr@#1@tocnumwidth}{%
18956         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18957             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18958                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18959                     \scr@ifundefinedorrelax{chapter}{%
18960                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18961                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18962                                 \ifstr{#1}{subsubsection}{%
18963                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
18964                                 }{%
18965                                     \ifstr{#1}{paragraph}{%
18966                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
18967                                     }{%
18968                                         \ifstr{#1}{subparagraph}{%
18969                                             \@namedef{scr@tso@#1@numwidth}{5em}%
18970                                         }{%
18971                                             }%
18972                                         }%
18973                                     }%
18974                                 }%
18975                             }%
18976                         }{%
18977                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18978                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18979                                     \ifstr{#1}{subsubsection}{%
18980                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
18981                                     }{%
18982                                         \ifstr{#1}{paragraph}{%
18983                                             \@namedef{scr@tso@#1@numwidth}{5em}%
18984                                         }{%
18985                                             \ifstr{#1}{subparagraph}{%
18986                                                 \@namedef{scr@tso@#1@numwidth}{6em}%
18987                                             }{%
18988                                                 }%
18989                                             }%
18990                                         }%

```



```

18991         }%
18992     }%
18993 }%
18994     }%
18995 }%
18996 }%
18997 }{%
18998     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18999 }%
19000 }{}%
19001 }]{%
19002     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19003     \ifnum \@nameuse{#1tocdepth}<\@ne
19004         \scr@ifundefinedorrelax{chapter}{%
19005             \addpenalty\@secpenalty
19006             \addvspace{1.0em \@plus\p@}%
19007         }{%
19008             \addpenalty{-\@highpenalty}%
19009             \vskip 1.0em \@plus\p@
19010         }%
19011     \else
19012         \addpenalty\@secpenalty
19013         \addvspace{1.0em \@plus\p@}%
19014     \fi
19015     \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19016     \begingroup
19017         \parindent \z@ \bidi@rightskip \@pnumwidth
19018         \parfillskip -\@pnumwidth
19019         \leavevmode
19020         \bfseries
19021         \advance\bidi@leftskip\@tempdima
19022         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19023         \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19024         ##1%
19025         \nobreak
19026         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19027         \par
19028         \penalty\@highpenalty
19029     \endgroup
19030 \fi
19031 }
19032
19033 \bidi@undef\scr@dte@def@l@largetocline
19034 \bidi@undef\scr@dte@largetocline@init
19035 \DeclareTOCEntryStyle{largetocline}[{%
19036     \DefineTOCEntryLengthOption{indent}%
19037     {scr@tso@}{@indent}{entry indent}%
19038     \@ifundefined{#1tocdepth}{%
19039         \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19040             \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%

```




```

19041 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19042 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19043 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19044 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19045 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19046 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19047 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19048 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19049 \csname #1numdepth\endcsname
19050 }%
19051 }%
19052 }%
19053 }%
19054 }%
19055 }%
19056 }%
19057 }%
19058 }%
19059 }{}%
19060 \@ifundefined{scr@tso@#1@indent}{%
19061 \@ifundefined{scr@#1@tocindent}{%
19062 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19063 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19064 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19065 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19066 \scr@ifundefinedorrelax{1@chapter}{%
19067 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19068 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19069 \ifstr{#1}{subsubsection}{%
19070 \@namedef{scr@tso@#1@indent}{3.8em}%
19071 }%
19072 \ifstr{#1}{paragraph}{%
19073 \@namedef{scr@tso@#1@indent}{7em}%
19074 }%
19075 \ifstr{#1}{subparagraph}{%
19076 \@namedef{scr@tso@#1@indent}{10em}%
19077 }%
19078 }%
19079 }%
19080 }%
19081 }%
19082 }%
19083 }{}%
19084 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19085 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19086 \ifstr{#1}{subsubsection}{%
19087 \@namedef{scr@tso@#1@indent}{7.0em}%
19088 }%
19089 \ifstr{#1}{paragraph}{%
19090 \@namedef{scr@tso@#1@indent}{10em}%

```



```

19091         }{%
19092         \ifstr{#1}{subparagraph}{%
19093         \@namedef{scr@tso@#1@indent}{12em}%
19094         }{%
19095         }%
19096         }%
19097         }%
19098         }%
19099         }%
19100         }%
19101         }%
19102         }%
19103         }%
19104         }%
19105     }{%
19106     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19107     }%
19108     }{}%
19109 }}{%
19110 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19111 \ifnum \@nameuse{#1tocdepth}<\@ne
19112 \scr@ifundefinedorrelax{chapter}{%
19113 \addpenalty\@secpenalty
19114 \addvspace{2.25em \@plus\p@}%
19115 }{%
19116 \addpenalty{-\@highpenalty}%
19117 \addvspace{2.25em \@plus\p@}%
19118 }%
19119 \else
19120 \addpenalty\@secpenalty
19121 \addvspace{2.25em \@plus\p@}%
19122 \fi
19123 \setlength\@tempdima{3em}%
19124 \begingroup
19125 \parindent \z@ \bidi@rightskip \@pnumwidth
19126 \parfillskip -\@pnumwidth
19127 \leavevmode
19128 \large
19129 \bfseries
19130 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19131 ##1%
19132 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19133 \par
19134 \nobreak
19135 \ifnum 0=
19136 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19137 \global\@nobreaktrue
19138 \everypar{\global\@nobreakfalse\everypar{}}%
19139 \fi
19140 \endgroup

```



```

19141 \fi
19142 }
19143
19144 \renewcommand*{\scr@dte@tocline}[3]{%
19145 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19146 \else
19147 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19148 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19149 {%
19150 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19151 \bidi@rightskip \@tocrmarg
19152 \parfillskip -\bidi@rightskip
19153 \@nameuse{Ifscr@tso@#1@raggedpage}{%
19154 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19155 }{}%
19156 \parindent \@nameuse{scr@tso@#1@indent}\relax
19157 \@afterindenttrue
19158 \interlinepenalty\@M
19159 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19160 \addtolength\bidi@rightskip\@flushglue
19161 \else
19162 \def\reserved@a{\raggedright}%
19163 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19164 \addtolength\bidi@rightskip\@flushglue
19165 \else
19166 \renewcommand\reserved@a{\raggedright}%
19167 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19168 \addtolength\bidi@rightskip\@flushglue
19169 \fi
19170 \fi
19171 \fi
19172 \leavevmode
19173 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19174 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19175 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
19176 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19177 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19178 \fi
19179 }%
19180 }{}%
19181 \advance\bidi@leftskip \@tempdima
19182 \null\nobreak\hskip -\bidi@leftskip
19183 {%
19184 \usetocbasicnumberline
19185 \let\scr@dte@numberline@box\numberline@box
19186 \def\numberline@box#1{%
19187 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19188 \global\scr@dte@tocline@numberwidth
19189 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19190 \ifdim \scr@dte@tocline@numberwidth

```



```

19191 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19192 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19193 \fi
19194 \@nameuse{Ifscr@tso@#1@dynnumwidth}{-}{%
19195 \ifdim \scr@dte@tocline@numberwidth
19196 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19197 +\@nameuse{scr@tso@#1@numsep}\relax
19198 \PackageWarning{tocbasic%
19199 }{%
19200 number width of #1 toc entries should be
19201 increased!\MessageBreak
19202 Currently used number width =
19203 \the\wd\scr@dte@tocline@numbox,\MessageBreak
19204 Wanted number separation
19205 \space\space\space =
19206 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19207 Reserved number width \space\space\space\space\space\space =
19208 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19209 }%
19210 \fi
19211 }%
19212 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
19213 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
19214 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
19215 }{}%
19216 }%
19217 \@nameuse{scr@tso@#1@entryformat}{%
19218 #2%
19219 \nobreak
19220 {%
19221 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
19222 \nobreak
19223 \@nameuse{scr@tso@#1@pagenumberbox}{%
19224 \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
19225 }%
19226 }%
19227 \@par
19228 }%
19229 }%
19230 }%
19231 \tocbasic@SetPenaltyByTOCLevel{#1}%
19232 \fi
19233 }
19234
19235 \bidi@undef\scr@dte@def@1@tocline
19236 \bidi@undef\scr@dte@tocline@init
19237 \DeclareTOCEntryStyle{tocline}[{%
19238 \DefineTOCEntryLengthOption{beforeskip}%
19239 {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19240 \DefineTOCEntryIfOption{breakafternumber}%

```



```

19241 {scr@tso@}{@breakafternumber}{line break after number flag}%
19242 \DefineTOCEntryIfOption{dynnumwidth}%
19243 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19244 \DefineTOCEntryCommandOption{entryformat}%
19245 {scr@tso@}{@entryformat}[1]{entry format}%
19246 \DefineTOCEntryCommandOption{entrynumberformat}%
19247 {scr@tso@}{@numberformat}[1]{entry number format}%
19248 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19249 {scr@tso@}{@linefill}{filling between text and page number}%
19250 \DefineTOCEntryLengthOption{numsep}%
19251 {scr@tso@}{@numsep}{entry number separation}%
19252 \DefineTOCEntryCommandOption{onstarthigherlevel}%
19253 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19254 \DefineTOCEntryCommandOption{onstartlowerlevel}%
19255 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19256 \DefineTOCEntryCommandOption{onstartsamelevel}%
19257 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19258 \DefineTOCEntryCommandOption{pagenumberbox}%
19259 {scr@tso@}{@pagenumberbox}[1]{page number box}%
19260 \DefineTOCEntryCommandOption{pagenumberformat}%
19261 {scr@tso@}{@pagenumberformat}[1]{page number format}%
19262 \DefineTOCEntryOption{raggedentrytext}[true]{%
19263 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19264 \ifx\FamilyKeyState\FamilyKeyStateProcessed
19265 \if@tempswa
19266 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19267 \raggedright
19268 \else
19269 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19270 \relax
19271 \fi
19272 \fi
19273 }%
19274 \DefineTOCEntryIfOption{raggedpagenumber}%
19275 {scr@tso@}{@raggedpage}{page number ragged flag}%
19276 \DefineTOCEntryLengthOption{indent}%
19277 {scr@tso@}{@indent}{entry indent}%
19278 \DefineTOCEntryLengthOption{numwidth}%
19279 {scr@tso@}{@numwidth}{entry number width}%
19280 \scr@ifundefinedorrelax{#1tocdepth}{%
19281 \ifstrstart{#1}{sub}{%
19282 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19283 \expandafter\edef\csname #1tocdepth\endcsname{%
19284 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19285 }%
19286 }%
19287 }{}%
19288 }{}%
19289 \@ifundefined{#1tocdepth}{%
19290 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%

```



```

19291 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19292 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19293 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19294 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19295 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19296 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19297 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19298 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19299 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19300 \csname #1numdepth\endcsname
19301 }%
19302 }%
19303 }%
19304 }%
19305 }%
19306 }%
19307 }%
19308 }%
19309 }%
19310 }{}%
19311 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19312 \@ifundefined{scr@#1@tocindent}{%
19313 \ifstrstart{#1}{sub}{%
19314 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19315 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19316 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19317 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19318 \relax
19319 }%
19320 }%
19321 }{%
19322 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19323 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19324 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19325 \relax
19326 }%
19327 }{%
19328 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19329 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19330 +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19331 \relax
19332 }%
19333 }%
19334 }%
19335 }{}%
19336 }{%
19337 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19338 }%
19339 }{}%
19340 \@ifundefined{scr@tso@#1@indent}{%

```



```

19341 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19342 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19343 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19344 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19345 \scr@ifundefinedorrelax{1@chapter}{%
19346 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19347 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19348 \ifstr{#1}{subsubsection}{%
19349 \@namedef{scr@tso@#1@indent}{3.8em}%
19350 }{%
19351 \ifstr{#1}{paragraph}{%
19352 \@namedef{scr@tso@#1@indent}{7em}%
19353 }{%
19354 \ifstr{#1}{subparagraph}{%
19355 \@namedef{scr@tso@#1@indent}{10em}%
19356 }{%
19357 }%
19358 }%
19359 }%
19360 }%
19361 }%
19362 }{%
19363 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19364 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19365 \ifstr{#1}{subsubsection}{%
19366 \@namedef{scr@tso@#1@indent}{7.0em}%
19367 }{%
19368 \ifstr{#1}{paragraph}{%
19369 \@namedef{scr@tso@#1@indent}{10em}%
19370 }{%
19371 \ifstr{#1}{subparagraph}{%
19372 \@namedef{scr@tso@#1@indent}{12em}%
19373 }{%
19374 }%
19375 }%
19376 }%
19377 }%
19378 }%
19379 }%
19380 }%
19381 }%
19382 }%
19383 }%
19384 }{}%
19385 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19386 \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19387 \ifstrstart{#1}{sub}{%
19388 \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@numwidth}{}%
19389 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19390 \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%

```



```

19391          +.9em%
19392          \relax
19393      }%
19394  }%
19395  }{}%
19396  }{%
19397      \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19398  }%
19399  }{}%
19400  \ifundefined{scr@tso@#1@numwidth}{%
19401      \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19402      \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19403      \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19404      \scr@ifundefinedorrelax{chapter}{%
19405          \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19406          \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19407          \ifstr{#1}{subsubsection}{%
19408              \@namedef{scr@tso@#1@numwidth}{3.2em}%
19409          }{%
19410              \ifstr{#1}{paragraph}{%
19411                  \@namedef{scr@tso@#1@numwidth}{4.1em}%
19412              }{%
19413                  \ifstr{#1}{subparagraph}{%
19414                      \@namedef{scr@tso@#1@numwidth}{5m}%
19415                  }{%
19416                      }%
19417                  }%
19418              }%
19419          }%
19420      }%
19421  }{%
19422      \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19423      \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19424      \ifstr{#1}{subsubsection}{%
19425          \@namedef{scr@tso@#1@numwidth}{3.1em}%
19426      }{%
19427          \ifstr{#1}{paragraph}{%
19428              \@namedef{scr@tso@#1@numwidth}{5em}%
19429          }{%
19430              \ifstr{#1}{subparagraph}{%
19431                  \@namedef{scr@tso@#1@numwidth}{6em}%
19432              }{%
19433                  }%
19434              }%
19435          }%
19436      }%
19437      }%
19438      }%
19439      }%
19440  }%

```




```

19441     }%
19442   }{}%
19443   \expandafter\renewcommand%
19444   \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19445   \expandafter\renewcommand%
19446   \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19447   \expandafter\renewcommand%
19448   \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19449   \@ifundefined{scr@tso@#1@beforeskip}{%
19450     \ifstr{#1}{part}{%
19451       \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19452     }{%
19453       \ifstr{#1}{chapter}{%
19454         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19455       }{%
19456         \ifstr{#1}{section}{%
19457           \scr@ifundefinedorrelax{1@chapter}{%
19458             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19459           }{}%
19460         }{}%
19461       }%
19462     }%
19463     \expandafter\renewcommand\expandafter*%
19464     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19465   }{}%
19466   \@ifundefined{scr@dte@#1@maxnumwidth}{%
19467     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19468     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19469   }{}%
19470   \renewcommand*{\scr@dte@donumwidth}{}%
19471   \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19472   \expandafter\renewcommand\expandafter*%
19473   \csname scr@tso@#1@numsep\endcsname{.4em}%
19474   \expandafter\renewcommand%
19475   \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19476   \ifstr{#1}{part}{%
19477     \expandafter\renewcommand%
19478     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19479   }{%
19480     \ifstr{#1}{chapter}{%
19481       \expandafter\renewcommand%
19482       \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19483     }{%
19484       \scr@ifundefinedorrelax{1@chapter}{%
19485         \ifstr{#1}{section}{%
19486           \expandafter\renewcommand%
19487           \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19488         }{}%
19489       }{}%
19490     }%

```



```

19491     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19492   }%
19493 }%
19494 \expandafter\renewcommand
19495 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19496 \@ifundefined{scr@tso@#1@linefill}{%
19497   \ifstr{#1}{part}{%
19498     \@namedef{scr@tso@#1@linefill}{\hfill}%
19499   }{%
19500     \ifstr{#1}{chapter}{%
19501       \@namedef{scr@tso@#1@linefill}{\hfill}%
19502     }{%
19503       \scr@ifundefinedorrelax{1@chapter}{%
19504         \ifstr{#1}{section}{%
19505           \@namedef{scr@tso@#1@linefill}{\hfill}%
19506         }{}
19507       }{}
19508       \expandafter\renewcommand%
19509       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19510     }%
19511   }%
19512 }{}%
19513 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19514 \ifstr{#1}{part}{%
19515   \expandafter\renewcommand%
19516   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19517 }{%
19518   \expandafter\renewcommand%
19519   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19520     {\normalfont\normalcolor ##1}}%
19521 }%
19522 \expandafter\renewcommand%
19523 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19524   \hb@xt@\@pnumwidth{\hfil ##1}}%
19525 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
19526 }}{%
19527   \scr@dte@tocline{#1}{##1}{##2}%
19528 }
19529

```

121 File tocstyle-xetex-bidi.def

```

19530 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19531 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19532   \let\numberline\tocstyle@numberline
19533   \ifnum #1>\c@tocdepth \else
19534     \if@tocstyle@penalties
19535       \begingroup
19536         \@tempcnta 20010
19537         \advance \@tempcnta by -#1

```



```

19538     \ifnum \@tempcnta>\lastpenalty
19539         \aftergroup\penalty\aftergroup\@lowpenalty
19540     \fi
19541 \endgroup
19542 \fi
19543 \edef\tocstyledepth{#1}%
19544 \tocstyle@activate@features
19545 \ifx\tocstyle@feature@entryvskip\relax
19546     \vskip \z@ \@plus.2\p@
19547 \else
19548     \addvspace{\tocstyle@feature@entryvskip}%
19549 \fi
19550 {%
19551     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
19552     \tocstyle@feature@raggedhook
19553     \@tempdima #3\relax
19554     \@tempdimb #2\relax
19555     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19556     \ifnum #1>\z@\relax
19557         \@tempcnta #1\relax \advance\@tempcnta \m@ne
19558         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19559             \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19560                 \@tempdimb
19561                 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19562                 \advance\@tempdimb
19563                 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19564             \fi
19565         \fi
19566     \fi
19567     \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19568     \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
19569         \ifdim \@tempdimb>
19570             \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
19571             \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19572                 @#1\endcsname{\the\@tempdimb}%
19573         \fi
19574     \else
19575         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19576             @#1\endcsname{\the\@tempdimb}%
19577     \fi
19578 \iftocstyle@autolength
19579     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19580         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19581         \relax
19582     \fi
19583     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19584         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19585         \relax
19586     \fi
19587     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%

```



```

19588      \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19589      \else
19590        \@tempdimb #2\relax
19591        \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19592      \fi
19593      \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
19594        \ifdim \@tempdima>
19595          \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
19596          \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19597            @\endcsname{\the\@tempdima}%
19598        \fi
19599      \else
19600        \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19601          @\endcsname{\the\@tempdima}%
19602      \fi
19603      \ifcase\tocstyle@indentstyle\relax\else
19604        \@tempdimb \z@
19605        \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19606          \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19607          \relax
19608        \fi
19609        \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19610        \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19611      \fi
19612      \advance\parindent \@tempdimb\@afterindenttrue
19613      \advance\if@RTL\righskip\else\leftskip\fi \parindent
19614      \advance\if@RTL\leftskip\else\righskip\fi \tocrmarg
19615      \parfillskip -\if@RTL\leftskip\else\righskip\fi
19616      \ifx\tocstyle@feature@parfillskip\relax\else
19617        \advance\parfillskip \tocstyle@feature@parfillskip\relax
19618      \fi
19619      \interlinepenalty\@M
19620      \leavevmode
19621      \advance\if@RTL\righskip\else\leftskip\fi \@tempdima
19622      \null\nobreak
19623      \iftocstyle@indentnotnumbered\else
19624        \hskip -\if@RTL\righskip\else\leftskip\fi
19625      \fi
19626      \tocstyle@feature@entryhook
19627      {#4}\nobreak
19628      \ifx\tocstyle@feature@leaders\relax
19629        \leaders\hbox{$\m@th
19630          \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
19631          \mkern \@dotsep mu$}\hfill
19632      \else
19633        \tocstyle@feature@leaders
19634      \fi
19635      \nobreak
19636      \ifx\tocstyle@feature@pagenumberbox\relax
19637        \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%

```



```

19638     \else
19639         \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
19640     \fi
19641     \par
19642 }%
19643 \if@tocstyle@penalties
19644     \bgroup
19645         \@tempcnta 20009
19646         \advance\@tempcnta by -#1
19647         \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
19648     \reserved@a
19649 \fi
19650 \fi}
19651 \renewcommand*{\tocstyle@numberline}[1]{%
19652     \begingroup
19653     \ifx\tocstyle@feature@spaceafternumber\relax
19654         \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
19655     \else
19656         \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
19657         \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
19658     \fi
19659     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
19660         \ifdim \@tempdima >
19661             \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
19662             \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19663                 @\tocstyledepth\endcsname{\the\@tempdima}%
19664         \fi
19665     \else
19666         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19667             @\tocstyledepth\endcsname{\the\@tempdima}%
19668     \fi
19669 \endgroup
19670 \iftocstyle@indentnotnumbered
19671     \hskip -\if@RTL\rightskip\else\leftskip\fi
19672 \fi
19673 \ifcase \tocstyle@indentstyle
19674     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19675 \or
19676     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19677 \else
19678     \ifx\tocstyle@feature@spaceafternumber\relax
19679         \hbox{\tocstyle@@numberline{#1}\enskip}%
19680     \else
19681         \hbox{\tocstyle@@numberline{#1}\hskip
19682             \tocstyle@feature@spaceafternumber\relax}%
19683     \fi
19684 \fi
19685 }
19686 \AtBeginDocument{%
19687     \ifcsname l@part\endcsname

```



```

19688 \ifcsname l@chapter\endcsname
19689 \setbox\@tempboxa\vbox{\hsize\maxdimen
19690 \l@part{\tocstyle@l@define{part}{-1}}{}}%
19691 \else
19692 \setbox\@tempboxa\vbox{\hsize\maxdimen
19693 \l@part{\tocstyle@l@define{part}{0}}{}}%
19694 \fi
19695 \fi
19696 \ifcsname l@chapter\endcsname
19697 \setbox\@tempboxa\vbox{\hsize\maxdimen
19698 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19699 \fi
19700 \ifcsname l@section\endcsname
19701 \setbox\@tempboxa\vbox{\hsize\maxdimen
19702 \l@section{\tocstyle@l@define{section}{1}}{}}%
19703 \fi
19704 \ifcsname l@subsection\endcsname
19705 \setbox\@tempboxa\vbox{\hsize\maxdimen
19706 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19707 \fi
19708 \ifcsname l@subsubsection\endcsname
19709 \setbox\@tempboxa\vbox{\hsize\maxdimen
19710 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19711 \fi
19712 \ifcsname l@paragraph\endcsname
19713 \setbox\@tempboxa\vbox{\hsize\maxdimen
19714 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19715 \fi
19716 \ifcsname l@subparagraph\endcsname
19717 \setbox\@tempboxa\vbox{\hsize\maxdimen
19718 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19719 \fi
19720 \ifcsname l@table\endcsname
19721 \setbox\@tempboxa\vbox{\hsize\maxdimen
19722 \l@table{\tocstyle@l@define{table}{1}}{}}%
19723 \fi
19724 \ifcsname l@figure\endcsname
19725 \setbox\@tempboxa\vbox{\hsize\maxdimen
19726 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
19727 \fi
19728 \def\@tempa#1#2#3#4#5{%
19729 \ifnum #1>\c@tocdepth \else
19730 \vskip \z@ \@plus.2\p@
19731 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
19732 \parindent #2\relax\@afterindenttrue
19733 \interlinepenalty\M
19734 \leavevmode
19735 \@tempdima #3\relax
19736 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19737 {#4}\nobreak

```



```

19738 \leaders\hbox{$\m@th
19739 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19740 mu$}\hfill
19741 \nobreak
19742 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
19743 \par}%
19744 \fi}%
19745 \ifx\@dottedtocline\@tempa\else
19746 \tocstyle@macrochangewarning\@dottedtocline
19747 \fi
19748 \let\tocstyle@saved@dottedtocline\@dottedtocline
19749 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
19750 \ifx\numberline\@tempa\else
19751 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
19752 \ifx\numberline\@tempa\else
19753 \tocstyle@macrochangewarning\numberline
19754 \fi
19755 \fi
19756 \let\tocstyle@saved@numberline\numberline
19757 }
19758 \renewcommand*{\tocstyle@l@define}[2]{%
19759 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
19760 \edef\@tempa{%
19761 \noexpand\global\noexpand\let
19762 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19763 \expandafter\noexpand\csname l@#1\endcsname
19764 \noexpand\gdef
19765 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19766 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
19767 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@%
19768 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19769 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
19770 }%
19771 }%
19772 \PackageInfo{tocstyle}{prepare \expandafter\string
19773 \csname l@#1\endcsname\space for redefinition}%
19774 \@tempa
19775 }

```

122 File todonotes-xetex-bidi.def

```

19776 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
19777 \newif\if@bidi@todonotes@textdirection@RTL
19778 \newif\if@bidi@todonotes@figposition@right
19779 \newcommand{\@bidi@todonotes@align}{}%
19780 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
19781 \newcommand{\@bidi@todonotes@textdirection}{}%
19782 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right}{}
19783 \ifcase\@bidi@todonotes@tempb\relax
19784 \@bidi@todonotes@textdirection@RTLtrue

```



```

19785 \let\@bidi@todonotes@textdirection\RLE
19786 \or
19787 \@bidi@todonotes@textdirection@RTLfalse
19788 \let\@bidi@todonotes@textdirection\LRE
19789 \fi}
19790 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,1
19791 \ifcase\bidi@todonotes@tempb\relax
19792 \@bidi@todonotes@figposition@righttrue
19793 \or
19794 \@bidi@todonotes@figposition@rightfalse
19795 \fi}
19796 \if@todonotes@disabled%
19797 \else % \if@todonotes@disabled
19798 \renewcommand{\@todonotes@drawInlineNote}{%
19799 \if@todonotes@dviStyle%
19800 {\par\noindent\begin{tikzpicture}[remember picture]%
19801 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19802 \if@todonotes@authorgiven%
19803 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19804 \else%
19805 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19806 \fi
19807 {\par\noindent\begin{tikzpicture}[remember picture]%
19808 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19809 \else%
19810 {\par\noindent\begin{tikzpicture}[remember picture]%
19811 \if\bidi@todonotes@textdirection@RTL\setRTL\fi%
19812 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
19813 \if@todonotes@authorgiven%
19814 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19815 \else%
19816 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19817 \fi};%
19818 \end{tikzpicture}\par}%
19819 \fi}%
19820 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
19821 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
19822 \node [coordinate] (inText) {};%
19823 \end{tikzpicture}%
19824 \marginpar[{\% Draw note in left margin
19825 \@todonotes@drawMarginNote%
19826 \ifRTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
19827 }]{\% Draw note in right margin
19828 \@todonotes@drawMarginNote%
19829 \ifRTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
19830 }%
19831 }%
19832 \renewcommand{\@todonotes@drawMarginNote}{%
19833 \if@todonotes@dviStyle%
19834 \begin{tikzpicture}[remember picture]%

```




```

19835         \draw node[notestyle] {};%
19836     \end{tikzpicture}\\%
19837     \begin{minipage}{\@todonotes@textwidth}%
19838     \if@todonotes@authorgiven%
19839         \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
19840     \else%
19841         \@todonotes@sizecommand \@todonotes@text%
19842     \fi%
19843     \end{minipage}\\%
19844     \begin{tikzpicture}[remember picture]%
19845         \draw node[notestyle] (inNote) {};%
19846     \end{tikzpicture}%
19847 \else%
19848     \let\originalHbadness\hbadness%
19849     \hbadness 100000%
19850     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
19851         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19852         \node(X){\vphantom{X}};%
19853         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection@RTL]{\@todonotes@text};%
19854         \if@todonotes@authorgiven%
19855             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection@RTL]{\@todonotes@sizecommand \@todonotes@author};%
19856             \node(Y)[below=of X]{};%
19857             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection@RTL]{\@todonotes@text};%
19858         \else%
19859             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection@RTL]{\@todonotes@text};%
19860         \fi%
19861     \end{tikzpicture}%
19862     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection@RTL]{\@todonotes@text};%
19863     \fi%
19864     \end{tikzpicture}%
19865     \hbadness \originalHbadness%
19866 \fi}%
19867 \renewcommand{\missingfigure}[2][]{%
19868 \setkeys{todonotes}{#1}%
19869 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
19870 \par
19871 \noindent
19872 \begin{tikzpicture}
19873 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
19874 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
19875 \if@bidi@todonotes@figposition@right%
19876 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19877 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
19878 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
19879 \end{scope}
19880 \begin{scope}[xshift=-3.8cm]
19881 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
19882 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
19883 \end{scope}
19884 \fi%

```



```

19885 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19886 \draw (2, -0.3) node[right, text
19887     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
19888 \if@bidi@todonotes@figposition@right%
19889 \end{scope}
19890 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19891 \fi%
19892 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19893 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19894 \if@bidi@todonotes@figposition@right%
19895 \end{scope}
19896 \fi%
19897 \end{tikzpicture}}\hfill
19898}% Ending \missingfigure command
19899 \fi % Ending \@todonotes@ifdisabled
19900 \presetkeys%
19901     {todonotes}%
19902     {align=left,%
19903     textdirection=lefttoright,%
19904     figposition=left}{}%

```

123 File wrapfig-xetex-bidi.def

```

19905 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
19906 \let\WF@everypar\bidi@n@everypar
19907 \def\WF@putfigmaybe{%
19908 \ifinner
19909     \vskip-\parskip \global\WF@floatfalse
19910     \let\pagetotal\maxdimen % kludge flag for "not top of page"
19911 \else % outer page
19912     \@tempdima\pagedepth % save page depth
19913     {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
19914     \penalty\interlinepenalty % update pg. parameters
19915     \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
19916     \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
19917         \global\WF@floatfalse
19918     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
19919 \else
19920     \ifdim\WF@size>\@tempdimb
19921         \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
19922         \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
19923         \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
19924         \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
19925         \advance\dimen@.5\baselineskip
19926         \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
19927             \global\WF@floatfalse \pagebreak
19928         \fi
19929     \else % \WF@info{Fits in \the\@tempdimb;}%
19930         \global\WF@floatfalse
19931 \fi\fi

```



```

19932 \vskip\@tempdima\relax % (return erased page depth)
19933 \fi
19934 \noindent
19935 \ifWF@float
19936 \WF@fltnes
19937 \else % putting here;
19938 \WF@info{Put \WF@wfname here:}%
19939 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
19940 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
19941 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
19942 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
19943 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
19944 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
19945 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
19946 \xdef\WF@adjlw{\the\@tempdima}%
19947 \ifnum `l=\WF@place % fig on left
19948 \if@RTL%
19949 \kern\@tempdimb \kern\columnsep
19950 \def\@tempa{\hss}% position to left of the gap
19951 \else%
19952 \hss % figure overlaps space to the left
19953 \def\@tempa{\kern\columnsep}% position to left of the gap
19954 \fi%
19955 \else % fig on right
19956 \if@RTL%
19957 \hss
19958 \@tempdima\z@
19959 \def\@tempa{\kern\columnsep}
19960 \else%
19961 \@tempdima\z@ % no left indentation
19962 \kern\@tempdimb \kern\columnsep
19963 \def\@tempa{\hss}% figure overlaps space to the right
19964 \fi%
19965 \fi
19966 \ifdim\@tempdimb<\hsize
19967 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
19968 \xdef\WF@adjtlm{\the\@tempdima}%
19969 \else
19970 \xdef\WF@wrapil{\z@ \the\hsize}%
19971 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
19972 \fi
19973 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
19974 \global\advance\WF@size-\intextsep
19975 \else % \WF@info{Putting \WF@wfname in middle of page}%
19976 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
19977 \fi \dp\WF@box\z@ \box\WF@box \@tempa
19978 }% end \hbox to Opt
19979 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
19980 \fi}

```



124 File xcolor-xetex-bidi.def

```

19981 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for X
19982 \long\def\color@b@x#1#2#3%
19983 {\leavevmode\ifhmode\else\ifRTL\beginL\fi\fi
19984 \setbox\z@\hbox{\kern\fbboxsep{\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
19985 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
19986 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
19987 \ifx\color@block{\wd\z@}\ifx\ht\z@\ifx\dp\z@\box\z@\}\ifhmode\else\ifRTL\endL\fi\fi}
19988 \def\normalcolor{\let\current@color\default@color\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi}
19989 \DeclareRobustCommand\color
19990 {\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
19991 \def\@undeclaredcolor[#1]#2%
19992 {\begingroup
19993 \let\@cls\@empty
19994 \XC@getmodclr12{#1}{#2}{}%
19995 {\ifblendcolors
19996 \ifx\colorblend\@empty\else
19997 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
19998 \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
19999 \fi
20000 \fi
20001 \ifconvertcolorsU
20002 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20003 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20004 \fi
20005 \ifmaskcolors
20006 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20007 \let\@mod\XC@mmod
20008 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20009 \expandafter\XC@mul\@tmp,\@clr
20010 \fi
20011 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20012 \expandafter\endgroup\@tmp}}
20013 \def\@declaredcolor#1%
20014 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
20015 \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
20016 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
20017 \ifconvertcolorsU\XC@@tsttrue\fi
20018 \fi
20019 \ifXC@@tst
20020 \expandafter\XC@declaredcolor\else
20021 \expandafter\XC@declaredc@lor\fi}
20022 \def\XC@undeclaredcolor#1#2%
20023 {\@ifundefinedmodel{#1}%
20024 {\c@lor@error{model `#1'}}%
20025 {\@nameuse{color@#1}\current@color{#2}%
20026 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
20027 \XC@display}\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20028 \def\XC@declaredc@lor

```



```

20029 {\XC@let@Nc\XC@current@color{\string\color@\XC@@tmp}%
20030 \edef\current@color{\XC@current@color}%
20031 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20032 \DeclareRobustCommand\bidicolor
20033 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20034 \def\@bidiundeclaredcolor[#1]#2%
20035 {\begingroup
20036 \let\@cls\@empty
20037 \XC@getmodclr12{#1}{#2}{}}%
20038 {\ifblendcolors
20039 \ifx\colorblend\@empty\else
20040 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20041 \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
20042 \fi
20043 \fi
20044 \ifconvertcolorsU
20045 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20046 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20047 \fi
20048 \ifmaskcolors
20049 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20050 \let\@mod\XC@mmod
20051 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20052 \expandafter\XC@mul\@tmp,\@clr
20053 \fi
20054 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20055 \expandafter\endgroup\@tmp}}
20056 \def\XC@bidiundeclaredcolor#1#2%
20057 {\@ifundefinedmodel{#1}%
20058 {\c@lor@error{model `#1'}}%
20059 {\@nameuse{color@#1}\current@color{#2}}%
20060 \edef\XC@current@color{\noexpand\xcolor@{}}{\current@color}{#1}{#2}}%
20061 \XC@display}}
20062 \def\@bidideclaredcolor#1%
20063 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
20064 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
20065 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
20066 \ifconvertcolorsU\XC@@tsttrue\fi
20067 \fi
20068 \if\XC@@tst
20069 \expandafter\XC@bidideclaredcolor\else
20070 \expandafter\XC@bidideclaredc@lor\fi}
20071 \def\XC@bidideclaredcolor
20072 {\XC@split\XC@@tmp
20073 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20074 \expandafter\endgroup\@tmp}
20075 \def\XC@bidideclaredc@lor
20076 {\XC@let@Nc\XC@current@color{\string\color@\XC@@tmp}%
20077 \edef\current@color{\XC@current@color}%
20078 \XC@display}

```



```

20079 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20080 \def\color@fbox#1#2#3#\protect\color@fb@x{#1}{#2}{#3}}
20081 \def\color@fb@x#1#2#3#4%
20082 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
20083 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20084 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

125 File latex-xetex-bidi.def

```

20085 \ProvidesFile{latex-xetex-bidi.def}[2017/12/29 v1.3.2 bidi adaptations for `latex.ltx' for Xe
20086 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
20087 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
20088 \TeXXeTOn
20089 \def\bidi@RTL@everypar{{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\
20090 \let\bidi@o@everypar=\everypar
20091 \newtoks\bidi@n@everypar
20092 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20093 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20094 \let\everypar=\bidi@n@everypar
20095 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20096 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20097 \protected\def\hboxR{\hbox\bgroup
20098 \everyhbox{%
20099 \aftergroup\egroup
20100 \everyhbox{}}%
20101 \beginR
20102 \@hboxRconstructtrue
20103 \bgroup
20104 \aftergroup\endR
20105 \aftergroup\egroup
20106 }\hbox}
20107 \protected\def\hboxL{\hbox\bgroup
20108 \everyhbox{%
20109 \aftergroup\egroup
20110 \everyhbox{}}%
20111 \beginL
20112 \@hboxRconstructfalse
20113 \bgroup
20114 \aftergroup\endL
20115 \aftergroup\egroup
20116 }\hbox}
20117 \protected\def\vboxR{\vbox\bgroup
20118 \everyvbox{%
20119 \aftergroup\egroup
20120 \everyvbox{}}%
20121 \@RTLtrue
20122 \@RTLtabtrue
20123 \bgroup
20124 \aftergroup\egroup
20125 }\vbox}

```



```

20126 \protected\def\ vboxL{\ vbox\bgroup
20127 \everyvbox{%
20128 \aftergroup\egroup
20129 \everyvbox{}}%
20130 \@RTLfalse
20131 \@RTLtabfalse
20132 \bgroup
20133 \aftergroup\egroup
20134 }\ vbox}
20135 \newcommand*{\ bidi@leftskip}{\ if@RTL\rightskip\else\leftskip\fi}
20136 \newcommand*{\ bidi@rightskip}{\ if@RTL\leftskip\else\rightskip\fi}
20137 \def\LTR{\par \@RTLfalse \@RTL@footnotefalse \@RTLtabfalse \hsize\linewidth\parshape\z@}
20138 \def\endLTR{\par}
20139 \def\RTL{\par \@RTLtrue \@RTL@footnotetrue \@RTLtabtrue \hsize\linewidth\parshape\z@}
20140 \def\endRTL{\par}
20141 \def\setRTL{\@RTLtrue \@RTL@footnotetrue \@RTLtabtrue}
20142 \def\setLTR{\@RTLfalse \@RTL@footnotefalse \@RTLtabfalse}
20143 \let\unsetRTL=\setLTR
20144 \let\unsetLTR=\setRTL
20145 \let\LR=\LRE
20146 \let\RL=\RLE
20147 \def\@ensure@RTL#1{\ if@RTL#1\else\RLE{#1}\fi}
20148 \def\@ensure@LTR#1{\ if@RTL\LRE{#1}\else#1\fi}
20149 \let\@ensure@RL=\@ensure@RTL
20150 \let\@ensure@LR=\@ensure@LTR
20151 \def\@ensure@dir#1{\ if@RTL\RLE{#1}\else{#1}\fi}
20152 \let\@ensure@maindir=\@ensure@dir
20153 \def\@@RTL{RTL}
20154 \def\@@LTR{LTR}
20155 \def\save@dir{\ if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
20156 \def\reset@dir{\ ifx\saved@@dir\@@RTL\setRTL\else\ ifx\saved@@dir\@@LTR\setLTR\else\relax\fi\fi}
20157 \let\@@TeX\TeX
20158 \def\TeX{\@ensure@LTR{\@@TeX}}
20159 \let\@@LaTeX\LaTeX
20160 \def\LaTeX{\@ensure@LTR{\@@LaTeX}}
20161 \let\@@LaTeXe\LaTeXe
20162 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
20163 \long\def\bidi@reflect@box#1{%
20164 \leavevmode
20165 \setbox\z@\hbox{#1}}%
20166 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20167 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20168 }
20169 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20170 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em\TeX}}$}}
20171 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20172 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em\LaTeX}}$}}
20173 \let\setRL=\setRTL
20174 \let\setLR=\setLTR
20175 \let\unsetRL=\setLTR

```



```

20176 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20177 \@ifpackageloaded{array}{%
20178 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20179 \leavevmode
20180 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
20181 \let\dollarend\endgroup
20182 \@tabarray}
20183 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20184 }{%
20185 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20186 \leavevmode \hbox \bgroup
20187 $\left.\let\@acol\@tabacol
20188 \let\@classz\@tabclassz
20189 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20190
20191 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20192 \egroup\right\rbrace $\egroup}}
20193 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20194 \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,\right\}}
20195 \renewenvironment{RTLcases}{%
20196 \bidi@matrix@check\RTLcases\env@RTLcases
20197 }{%
20198 \endbidi@tabular@RTLcases%
20199 }
20200 \def\env@RTLcases{%
20201 \let\@ifnextchar\bidi@new@ifnextchar
20202 \def\arraystretch{1.2}%
20203 \bidi@tabular@RTLcases{\@{}r@{\quad}r@{}}%
20204 }
20205 \def\SepMark#1{\gdef\@SepMark{#1}}
20206 \SepMark{.}
20207 \def\@thmcountersep{\@SepMark}
20208 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20209 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20210 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20211 \newcommand*{\bidi@thebibliography@font@hook}{}
20212 \def\list#1#2{%
20213 \ifnum \@listdepth >5\relax
20214 \toodeep
20215 \else
20216 \global\advance\@listdepth\@ne
20217 \fi
20218 \rightmargin\z@
20219 \listparindent\z@
20220 \itemindent\z@
20221 \csname @list\romannumeral\the\@listdepth\endcsname
20222 \def\@itemlabel{#1}%
20223 \let\makelabel\@mklab
20224 \@nmbrlistfalse
20225 #2\relax

```




```

20226 \@trivlist
20227 \parskip\parsep
20228 \parindent\listparindent
20229 \advance\linewidth -\rightmargin
20230 \advance\linewidth -\leftmargin
20231 \if@bidi@list@minipage@parbox
20232 \if@RTL
20233 \advance\@totalleftmargin \leftmargin
20234 \else
20235 \advance\@totalleftmargin \rightmargin
20236 \fi
20237 \else
20238 \if@hboxRconstruct
20239 \if@bidi@list@minipage@parbox@not@nob
20240 \if@RTL
20241 \advance\@totalleftmargin \rightmargin
20242 \else
20243 \advance\@totalleftmargin \leftmargin
20244 \fi
20245 \else
20246 \if@RTL
20247 \advance\@totalleftmargin \leftmargin
20248 \else
20249 \advance\@totalleftmargin \rightmargin
20250 \fi\fi
20251 \else
20252 \if@RTL
20253 \advance\@totalleftmargin \rightmargin
20254 \else
20255 \advance\@totalleftmargin \leftmargin
20256 \fi\fi\fi
20257 \parshape \@ne \@totalleftmargin \linewidth
20258 \ignorespaces}
20259 \long\def\@iiiparbox#1#2[#3]#4#5{%
20260 \leavevmode
20261 \@pboxswfalse
20262 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
20263 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
20264 \setlength\@tempdima{#4}%
20265 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
20266 \ifx\relax#2\else
20267 \setlength\@tempdimb{#2}%
20268 \edef\@parboxto{to\the\@tempdimb}%
20269 \fi
20270 \if#1b\vbox
20271 \else\if #1t\vtop
20272 \else\ifmode\vcenter
20273 \else\@pboxswtrue $\vcenter
20274 \fi\fi\fi
20275 \@parboxto{\let\hss\vss\let\unhbox\unvbox

```



```

20276         \csname bm@#3\endcsname}%
20277         \if@pboxsw \m@th$\fi
20278     \@end@tempboxa}
20279 \def\ bidi@lrbbox#1{%
20280     \edef\reserved@a{%
20281         \endgroup
20282         \setbox#1\hbox{%
20283             \begingroup\aftergroup}%
20284         \def\noexpand\@currentvir{\@currentvir}%
20285         \def\noexpand\@currentvline{\on@line}}%
20286     \reserved@a
20287     \@endpefalse
20288     \color@begingroup
20289     \ignorespaces}
20290 \def\endbidi@lrbbox{\unskip\color@endgroup}
20291 \newenvironment{LTRitems}
20292     {\par\@RTLfalse\@RTLtabfalse
20293     \if@bidi@list@minipage@parbox
20294     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20295     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20296     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20297     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20298     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\}
20299     \ignorespaces}{\vskip\z@}
20300 \newenvironment{RTLitems}
20301     {\par\@RTLtrue\@RTLtabtrue
20302     \if@bidi@list@minipage@parbox
20303     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20304     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20305     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20306     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20307     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\}
20308     \ignorespaces}{\vskip\z@}
20309 \newenvironment{LTRbibitems}
20310     {\par\@RTLfalse\@RTLtabfalse
20311     \if@bidi@list@minipage@parbox
20312     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20313     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20314     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20315     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20316     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\}
20317     \ignorespaces}{\vskip\z@}
20318 \newenvironment{RTLbibitems}
20319     {\par\@RTLtrue\@RTLtabtrue
20320     \if@bidi@list@minipage@parbox
20321     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20322     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20323     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20324     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20325     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\}

```



```

20326 \ignorespaces}{\vskip\z@}
20327 \def\raggedright{%
20328 \let\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20329 \leftskip\z@skip
20330 \parindent\z@\parfillskip\z@skip}
20331 \let\bidiorig@raggedleft\raggedleft
20332 \let\bidiorig@raggedright\raggedright
20333 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidiorig@raggedright\else\if@hboxRcons
20334 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidiorig@raggedleft\else\if@hboxRcons
20335 \newcommand{\bidioraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20336 \newcommand{\bidioraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20337 \def\centerline#1{%
20338 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20339 \else\@@line{\hss#1\hss}\fi}
20340 \def\leftline#1{%
20341 \if@RTL\@@line{\beginR#1\endR\hss}
20342 \else\@@line{#1\hss}\fi}
20343 \def\rightline#1{%
20344 \if@RTL\@@line{\hss\beginR#1\endR}
20345 \else\@@line{\hss#1}\fi}
20346 \let\bidiorig@leftline\leftline
20347 \let\bidiorig@rightline\rightline
20348 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\i
20349 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
20350 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20351 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20352 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20353 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20354 \def\narrower{%
20355 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20356 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20357 \def\underline#1{%
20358 \relax
20359 \ifmmode\@@underline{#1}%
20360 \else
20361 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20362 \else
20363 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20364 \if@compatibility
20365 \let\undertext=\underline
20366 \fi
20367 \def\@tabular{%
20368 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20369 $\let\@acol\@tabacol
20370 \let\@classz\@tabclassz
20371 \let\@classiv\@tabclassiv \let\\@tabularcr\@tabarray}
20372 \def\endtabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
20373 \egroup $\if@RTLtab\endR\fi\egroup}
20374 \expandafter \let \csname endtabular*\endcsname = \endtabular
20375 \def\@array[#1]#2{%

```



```

20376 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20377 \bgroup
20378 \setbox\@arstrutbox\hbox{%
20379 \vrule \@height\arraystretch\ht\strutbox
20380 \@depth\arraystretch \dp\strutbox
20381 \@width\z@}%
20382 \@mkpream{#2}%
20383 \edef\@preamble{%
20384 \ialign \noexpand\@halignto
20385 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20386 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20387 \let\@tabularnewline\@
20388 \let\par\@empty
20389 \let\@sharp##%
20390 \set@typeset@protect
20391 \lineskip\z@skip\baselineskip\z@skip
20392 \ifhmode \@preamerr\z@ \@@par\fi
20393 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20394 \@preamble}
20395 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20396 \let\@classiv\@arrayclassiv
20397 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20398 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20399 \ifnum \@lastchclass=3 5 \else
20400 \z@ \if #1c\@chnum \z@ \else
20401 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20402 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20403 \@chclass \if #1|\@ne \else
20404 \if #1@\tw@ \else
20405 \if #1p3 \else \z@ \@preamerr 0\fi
20406 \fi \fi \fi \fi \fi \fi
20407 \fi}
20408 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20409 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20410 \def\bm@t{\unhbox\@tempboxa\hss}
20411 \def\bm@b{\hss\unhbox\@tempboxa}
20412 \def\@dottedtocline#1#2#3#4#5{%
20413 \ifnum #1>\c@tocdepth \else
20414 \vskip \z@ \@plus.2\p@
20415 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmargin
20416 \parindent #2\relax\@afterindenttrue
20417 \interlinepenalty\@M
20418 \leavevmode
20419 \@tempdima #3\relax
20420 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
20421 \fi\fi\nobreak
20422 \leaders\hbox{$\m@th
20423 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20424 mu$}\hfill
20425 \nobreak

```



```

20426 \hb@xt@{\@pnumwidth{\hfil\normalfont \normalcolor #5}}}%
20427 \par}%
20428 \fi}
20429
20430 \newcount\ bidi@column@check@number
20431
20432 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
20433
20434 \def\ bidi@set@column@status#1#2{%
20435 \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20436
20437 \if@twocolumn
20438 \newcommand\DetectColumn[3][1]{%
20439 \ifx\ bidi@firstcolumn@status@write\relax
20440 \PackageError{bidi}%
20441 {Option 'DetectColumn' not selected}%
20442 {\string\DetectColumn\space
20443 requires the use of the 'DetectColumn'
20444 option on the package}%
20445 \fi
20446 \global\advance\ bidi@column@check@number\@ne
20447 \edef\ bidi@column@type{\expandafter\ifx
20448 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20449 \else
20450 \csname bidi@column-\the\ bidi@column@check@number\endcsname
20451 \fi}%
20452 \ifcase \ bidi@column@type\relax
20453 \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
20454 \or
20455 #2% % 1 First column
20456 \or
20457 #3% % 2 Second (Last column)
20458 \else
20459 \ERROR
20460 \fi
20461 \edef\next{\write\@auxout
20462 {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
20463 {\ bidi@column@type}}}%
20464 \next
20465 }
20466
20467 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
20468 \ifnum #2=\ bidi@current@column@status\else
20469 \@tempwatrue
20470 \fi}%
20471 }
20472 \fi
20473
20474 \def\RTL@outputdblcol{%
20475 \if@firstcolumn

```



```

20476 \global\@firstcolumnfalse
20477 \global\setbox\@leftcolumn\copy\@outputbox
20478 \splitmaxdepth\maxdimen
20479 \vbadness\maxdimen
20480 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20481 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20482 \toks@\expandafter{\topmark}%
20483 \xdef\@firstcoltopmark{\the\toks@}%
20484 \toks@\expandafter{\splitfirstmark}%
20485 \xdef\@firstcolfirstmark{\the\toks@}%
20486 \ifx\@firstcolfirstmark\@empty
20487 \global\let\@setmarks\relax
20488 \else
20489 \gdef\@setmarks{%
20490 \let\firstmark\@firstcolfirstmark
20491 \let\topmark\@firstcoltopmark}%
20492 \fi
20493 \else
20494 \global\@firstcolumntrue
20495 \setbox\@outputbox\vbox{%
20496 \hb@xt@\textwidth{%
20497 \hskip \columnwidth
20498 \hfil
20499 {\normalcolor\vrule \@width\columnseprule}%
20500 \hfil
20501 \hb@xt@\columnwidth{%
20502 \bidi@firstcolumn@status@write%
20503 \box\@leftcolumn \hss}%
20504 \hskip -\textwidth
20505 \hb@xt@\columnwidth{%
20506 \bidi@lastcolumn@status@write%
20507 \box\@outputbox \hss}%
20508 \hskip \columnsep
20509 \hskip \columnwidth }}%
20510 \@combinedblfloats
20511 \setmarks
20512 \outputpage
20513 \begingroup
20514 \dblfloatplacement
20515 \startdblcolumn
20516 \@whiles\if@colmade \fi{\@outputpage
20517 \startdblcolumn}%
20518 \endgroup
20519 \fi}%
20520
20521 \def\LTR@outputdblcol{%
20522 \if@firstcolumn
20523 \global\@firstcolumnfalse
20524 \global\setbox\@leftcolumn\copy\@outputbox
20525 \splitmaxdepth\maxdimen

```



```

20526 \vbadness\maxdimen
20527 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20528 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20529 \toks@\expandafter{\topmark}%
20530 \xdef\@firstcoltopmark{\the\toks@}%
20531 \toks@\expandafter{\splitfirstmark}%
20532 \xdef\@firstcolfirstmark{\the\toks@}%
20533 \ifx\@firstcolfirstmark\@empty
20534 \global\let\@setmarks\relax
20535 \else
20536 \gdef\@setmarks{%
20537 \let\firstmark\@firstcolfirstmark
20538 \let\topmark\@firstcoltopmark}%
20539 \fi
20540 \else
20541 \global\@firstcolumntrue
20542 \setbox\@outputbox\vbox{%
20543 \hb@xt@\textwidth{%
20544 \hb@xt@\columnwidth{%
20545 \bidi@firstcolumn@status@write%
20546 \box\@leftcolumn \hss}%
20547 \hfil
20548 {\normalcolor\vrule \@width\columnseprule}%
20549 \hfil
20550 \hb@xt@\columnwidth{%
20551 \bidi@lastcolumn@status@write%
20552 \box\@outputbox \hss}}}%
20553 \@combinedblfloats
20554 \@setmarks
20555 \@outputpage
20556 \begingroup
20557 \@dblfloatplacement
20558 \@startdblcolumn
20559 \@whilesw\if@fcolmade \fi{\@outputpage
20560 \@startdblcolumn}%
20561 \endgroup
20562 \fi}%
20563
20564
20565 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
20566 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
20567 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
20568 \def\LTRmarginpar{%
20569 \ifhmode
20570 \@bsphack
20571 \@floatpenalty -\@Mii
20572 \else
20573 \@floatpenalty -\@Miii
20574 \fi
20575 \ifinner

```



```

20576 \parmoderr
20577 \floatpenalty\z@
20578 \else
20579 \next\@currbox\@freelist{}\}%
20580 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20581 {\floatpenalty\z@
20582 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20583 \fi
20584 \ifnextchar [\@LTRxmpar\@LTRYmpar}
20585 \long\def\@LTRxmpar[#1]#2{%
20586 \@LTRsavemarbox\@marbox{#1}%
20587 \@LTRsavemarbox\@currbox{#2}%
20588 \@xympar}
20589 \long\def\@LTRYmpar#1{%
20590 \@LTRsavemarbox\@marbox{#1}%
20591 \global\setbox\@currbox\copy\@marbox
20592 \@xympar}
20593 \long\def \@LTRsavemarbox #1#2{%
20594 \global\setbox #1%
20595 \color@vbox
20596 \vtop{%
20597 \hsize\marginparwidth
20598 \@parboxrestore
20599 \@LTRmarginparreset
20600 #2%
20601 \@minipagefalse
20602 \outer@nobreak
20603 }%
20604 \color@endbox
20605 }
20606 \def \@LTRmarginparreset {%
20607 \reset@font
20608 \normalsize
20609 \@minipagetrue
20610 \everypar{\@minipagefalse\everypar{}\beginL}%
20611 }
20612 \def\RTLmarginpar{%
20613 \ifhmode
20614 \@bsphack
20615 \floatpenalty -\@Mii
20616 \else
20617 \floatpenalty-\@Miii
20618 \fi
20619 \ifinner
20620 \parmoderr
20621 \floatpenalty\z@
20622 \else
20623 \next\@currbox\@freelist{}\}%
20624 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20625 {\floatpenalty\z@

```




```

20626      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20627      \fi
20628      \@ifnextchar [\@RTLxmpar\@RTLympar}
20629 \long\def\@RTLxmpar[#1]#2{%
20630   \@RTLSavemarbox\@marbox{#1}%
20631   \@RTLSavemarbox\@currbox{#2}%
20632   \@xympar}
20633 \long\def\@RTLympar#1{%
20634   \@RTLSavemarbox\@marbox{#1}%
20635   \global\setbox\@currbox\copy\@marbox
20636   \@xympar}
20637 \long\def \@RTLSavemarbox #1#2{%
20638   \global\setbox #1%
20639     \color@vbox
20640     \vtop{%
20641       \hsize\marginparwidth
20642       \@parboxrestore
20643       \@RTLmarginparreset
20644       #2%
20645       \@minipagefalse
20646       \outer@nobreak
20647     }%
20648   \color@endbox
20649 }
20650 \def \@RTLmarginparreset {%
20651   \reset@font
20652   \normalsize
20653   \@minipagetrue
20654   \everypar{\@minipagefalse\everypar{}\beginR}%
20655 }
20656 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
20657   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
20658   \if@twocolumn
20659     \if@firstcolumn \@tempcnta\m@ne \fi
20660   \else
20661     \if@mparswitch
20662       \ifodd\c@page \else\@tempcnta\m@ne \fi
20663     \fi
20664     \if@reversemargin \@tempcnta -\@tempcnta \fi
20665   \fi
20666   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
20667   \@tempdima\@mparbottom
20668   \advance\@tempdima -\@pageht
20669   \advance\@tempdima\ht\@marbox
20670   \ifdim\@tempdima >\z@
20671     \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
20672   \else
20673     \@tempdima\z@
20674   \fi
20675   \global\@mparbottom\@pageht

```



```

20676 \global\advance\@mparbottom\@tempdima
20677 \global\advance\@mparbottom\dp\@marbox
20678 \global\advance\@mparbottom\marginparpush
20679 \advance\@tempdima -\ht\@marbox
20680 \global\setbox \@marbox
20681         \vbox {\vskip \@tempdima
20682                 \box \@marbox}%
20683 \global \ht\@marbox \z@
20684 \global \dp\@marbox \z@
20685 \kern -\@pagedp
20686 \nointerlineskip
20687 \hb@xt@\columnwidth
20688     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
20689       \hskip\columnwidth \hskip\marginparsep
20690       \else
20691         \hskip -\marginparsep \hskip -\marginparwidth
20692         \fi
20693         \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
20694         \nointerlineskip
20695         \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
20696 \long\def\@ympar#1{%
20697   \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
20698   \global\setbox\@currbox\copy\@marbox
20699   \@ympar}
20700 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20701 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
20702 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
20703 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
20704   \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
20705 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
20706   \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
20707   \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
20708   \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
20709 \fi}
20710
20711 \newcommand*{\bidi@font@@outputpage}{\}
20712
20713 \def\@outputpage{%
20714 \begingroup          % the \endgroup is put in by \aftergroup
20715   \let \protect \noexpand
20716   \@resetactivechars
20717   \global\let\@if@newlist\if@newlist
20718   \global\@newlistfalse
20719   \@parboxrestore
20720   \shipout \vbox{%
20721     \set@typeset@protect
20722     \aftergroup \endgroup
20723     \aftergroup \set@typeset@protect
20724                               % correct? or just restore by ending
20725                               % the group?

```



```

20726 \if@specialpage
20727   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
20728 \fi
20729 \if@twoside
20730   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
20731   \if@RTLmain
20732     \let\@themargin\evensidemargin
20733   \else
20734     \let\@themargin\oddsidemargin
20735   \fi
20736 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
20737   \if@RTLmain
20738     \let\@themargin\oddsidemargin
20739   \else
20740     \let\@themargin\evensidemargin
20741   \fi
20742 \fi
20743 \ifx\@thehead\@empty \let\@thehead\hfil \fi
20744 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
20745 \else %% not @twoside
20746 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
20747 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
20748 \fi
20749 \reset@font
20750 \normalsize
20751 \bidi@font@@outputpage
20752 \normalsfcodes
20753 \let\label\@gobble
20754 \let\index\@gobble
20755 \let\glossary\@gobble
20756 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
20757 \begin@dv
20758 \vskip \topmargin
20759 \moveright\@themargin \vbox {%
20760   \setbox\@tempboxa \vbox to\headheight{%
20761     \vfil
20762     \color@hbox
20763       \normalcolor
20764       \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
20765       \color@endbox
20766     }%
20767     \dp\@tempboxa \z@
20768     \box\@tempboxa
20769     \vskip \headsep
20770     \box\@outputbox
20771     \baselineskip \footskip
20772     \color@hbox
20773       \normalcolor
20774       \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
20775     \color@endbox

```



```

20776     }%
20777   }%
20778   \global\let\if@newlist\@if@newlist
20779   \global \colht \textheight
20780   \stepcounter{page}%
20781   \let\firstmark\botmark
20782 }
20783 \long\def\@makecaption#1#2{%
20784   \vskip\abovecaptionskip
20785   \sbox\@tempboxa{#1: #2}%
20786   \ifdim \wd\@tempboxa >\hsize
20787     \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
20788   \else
20789     \global \minipagefalse
20790     \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
20791   \fi
20792   \vskip\belowcaptionskip}
20793 \let\@bidi@saved@eqno=\eqno
20794 \let\@bidi@saved@leqno=\leqno
20795 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
20796 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
20797 \@ifpackageloaded{amsmath}{-}{-}
20798 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
20799 }
20800 \input{footnote-xetex-bidi.def}
20801 \if@twocolumn
20802   \let\autofootnoterule\relax
20803   \let\leftfootnoterule\relax
20804   \let\rightfootnoterule\relax
20805   \textwidthfootnoterule
20806 \fi
20807 \if@bidi@csundef{\@idxitem}{-}{-}
20808 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
20809 }
20810 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}
20811 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{-}{\input{article-xetex-bidi.def}}{-}
20812 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{-}
20813 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{-}
20814 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{-}
20815 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{-}
20816 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{-}
20817 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{-}
20818 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{-}
20819 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{-}
20820 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{-}
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20953 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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