



The bidi Package

Source documentation for version 32.7

to my Master, *Ferdowsi The Great*

If you enjoy the bidi package and want to support the project, then please consider donating to the project. It allows me to spend more time working on the bidi package, encourages me to continue, and is the perfect way to say thank you!

You can use *My PayPal.Me* to donate to the bidi package at

<https://www.paypal.me/persiantex>

If you have a problem using *My PayPal.Me*, then please email me at persian-tex@tug.org.

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please do not send any direct email to me; I will not answer any direct email. Instead please use the issue tracker:

<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 \TeX and \LaTeX , using \XeTeX engine

Source documentation for [version 32.7](#)

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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 Xe
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\cename algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\cename 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 XeLaTeX]
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\fi
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 }
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@RTL@footnotetext@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@LTR@footnotetext@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 $\if@RTLtab\endR\fi\egroup}
386 \expandafter\let\csname endtabular*\endcsname=\endtabular
387 \def\@array[#1]#2{%
388 \@tempdima \ht \strutbox
389 \advance \@tempdima by\extrarowheight
390 \setbox \@arstrutbox \hbox{\vrule
391 \@height \arraystretch \@tempdima
392 \@depth \arraystretch \dp \strutbox
393 \@width \z@}%
394 \beginR
395 \@mkpream{#2}%
396 \xdef\@preamble{\noexpand \ialign \@halignto
397 \bgroup \@arstrut \@preamble
398 \tabskip \z@ \cr}%
399 \endR
400 \@arrayleft
401 \if #1t\top \else \if#1b\bottom \else \vcenter \fi \fi
402 \bgroup
403 \let \@sharp ##\let \protect \relax
404 \lineskip \z@
405 \baselineskip \z@
406 \m@th
407 \let\\ \@arraycr \let\tabularnewline\\ \let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRcor
408 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
409 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
410 \def\array{\col@sep\arraycolsep
411 \def\d@llarbegin{$}\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\@makefntext##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 \ \ \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     \begingroup
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##1{\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*{\head@style}{%
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}\par}
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{\dollarbegin \insert@column \dollarend}\hfil \or
1414 \hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
1415 \hfil\hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\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{2018/02/15}
1506 \def\bidi@version{32.7}
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}{\ensuremath\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@bidi@pdfm@mark
1572 \newif\if@RTLmarginpar
1573 \newif\if@LTRmarginpar
1574 \newif\if@LTRbibitems
1575 \newif\if@RTLbibitems
1576 \newif\if@extrafootnotefeatures
1577 \newif\if@parafootRTL
1578 \newif\if@RTLcolumnfootnotes
1579 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1580 \newif\if@bidi@list@minipage@parbox
1581 \newif\if@bidi@list@minipage@parbox@not@nob
1582 \newcommand*{\@bidi@pdfcreator}{%
1583   The bidi package, v\@bidi@version, \@bidi@date
1584 }
1585 \newcommand*{\@bidi@pdfproducer}{%
1586   The bidi package, v\@bidi@version, \@bidi@date
1587 }
1588 \@RTLmainfalse
1589 \AtBeginDocument{%
1590   \if@RTLmain\else
1591     \if@RTL\@RTLmaintrue%
1592     \else\@RTLmainfalse%
1593     \fi%
1594   \fi%
1595 }
1596 \let\n@xt=\
1597 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1598 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1599 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1600 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1601 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1602   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1603 \newinsert\@bidi@copyins@
1604 \skip\@bidi@copyins@=12\p@
1605 \dimen\@bidi@copyins@=40pc
1606 \count\@bidi@copyins@=1000
1607 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1608 \newcommand*{\@bidi@logo@hb@xt@}{%
1609   \if@RTLmain

```



```

1610     \hboxR to
1611     \else
1612     \hboxL to
1613     \fi
1614 }
1615 \newcommand*{\@bidi@logo@}{\@bidi@logo@hb@xt@\textwidth{\hss\LRE{\bfseries Typeset by the \tex
1616 \input{latex-xetex-bidi.def}
1617 \input{loadingorder-xetex-bidi.def}
1618 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1619     \ifcase\bidi@tempb\relax
1620         \RTLtrue
1621     \or
1622         \RTLfalse
1623     \fi}
1624 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1625     \ifcase\bidi@tempb\relax
1626         \RTLtrue
1627     \or
1628         \RTLfalse
1629     \fi}
1630 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1631     \ifcase\bidi@tempb\relax
1632         \RTLtabtrue
1633     \or
1634         \RTLtabfalse
1635     \fi}
1636 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1637     \ifcase\bidi@tempb\relax
1638         \@nonlatinfalse
1639     \or
1640         \@nonlatintrue
1641     \fi}
1642 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1643     \ifcase\bidi@tempb\relax
1644         \RTLtrue
1645     \or
1646         \RTLfalse
1647     \fi}
1648 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,%
1649     \ifcase\bidi@tempb\relax
1650         \autofootnoterule
1651     \or
1652         \leftfootnoterule
1653     \or
1654         \rightfootnoterule
1655     \or
1656         \SplitFootnoteRule
1657     \or
1658         \textwidthfootnoterule
1659     \fi}

```



```

1660 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
1661 \ifcase\bidi@tempb\relax
1662   \RTL@footnotetrue
1663 \or
1664   \RTL@footnotefalse
1665 \fi}
1666 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1667   \ifcase\bidi@tempb\relax
1668     \footdir@debugtrue
1669 \or
1670     \footdir@debugfalse
1671 \fi}
1672 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1673   \ifcase\bidi@tempb\relax
1674     \@extrafootnotefeaturestrue
1675 \or
1676     \@extrafootnotefeaturesfalse
1677 \fi}
1678
1679 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1680   \ifcase\bidi@tempb\relax
1681     \def\bidi@firstcolumn@status@write{%
1682       \protected@write\@auxout{%
1683         {\string\bidi@column@status
1684          {1}}}%
1685     \def\bidi@lastcolumn@status@write{%
1686       \protected@write\@auxout{%
1687         {\string\bidi@column@status{2}}}%
1688 \or
1689     \let\bidi@firstcolumn@status@write\relax
1690     \let\bidi@lastcolumn@status@write\relax
1691 \fi}
1692
1693 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1694   \ifcase\bidi@tempb\relax
1695     \AtBeginDocument{\@bidi@inslogo}%
1696 \or
1697     \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
1698 \fi}
1699
1700 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1701   \ifcase\bidi@tempb\relax
1702     \@bidi@pdfm@marktrue
1703 \or
1704     \@bidi@pdfm@markfalse
1705 \fi}
1706
1707 \ExecuteOptionsX{%
1708   DetectColumn=off%
1709 }

```



```

1710
1711 \ProcessOptionsX
1712
1713 \ifextrafootnotefeatures
1714   \input{extrafootnotefeatures-xetex-bidi.def}
1715 \fi
1716 \newcount\bididigits
1717 \XeTeXinterchartokenstate=\@ne
1718 \newXeTeXintercharclass\bididigits@charclass
1719 \newXeTeXintercharclass\bidisepmark@charclass
1720 \XeTeXcharclass \\. \bidisepmark@charclass
1721 \XeTeXcharclass \- \bidisepmark@charclass
1722 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1723 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1724 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterChar
1725 \newcommand*\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1726 \AtEndDocument{%
1727   \if@bidi@pdfm@mark
1728     \special{pdf:%
1729       docinfo<<%
1730         /Creator(\@bidi@pdfcreator)%
1731         /Producer(\@bidi@pdfproducer)%
1732       >>%
1733     }%
1734   \fi
1735 }

```

15 File bidi.tex

```

1736 \def\bididate{2018/02/15}
1737 \catcode\@=11
1738 \def\bidi@version{32.7}
1739 \let \protect \relax
1740 \newlinechar\^^J
1741 \edef\@bidi@info{*****\^^J%
1742 * \^^J%
1743 * bidi package (Bidirectional typesetting in\^^J%
1744 * plain TeX and LaTeX, using XeTeX engine)\^^J%
1745 * \^^J%
1746 * Description: A convenient interface for\^^J%
1747 * typesetting bidirectional texts in plain TeX\^^J%
1748 * and LaTeX. The package includes adaptations\^^J%
1749 * for use with many other commonly-used packages.\^^J%
1750 * \^^J%
1751 * Copyright (c) 2009--2018 Vafa Khalighi\^^J%
1752 * \^^J%
1753 * v\bidi@version, \bididate\^^J%
1754 * \^^J%
1755 * License: LaTeX Project Public License, version\^^J%
1756 * 1.3c or higher (your choice)\^^J%

```




```

1757 * ^^J%
1758 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1759 * ^^J%
1760 * Issue tracker: https://github.com/tex-xetex/bidi/issues^^J%
1761 * ^^J%
1762 * Support: persian-tex@tug.org^^J%
1763 * ^^J%
1764 *****}
1765 \message{\@bidi@info}
1766 \edef\bidi@everyjob{\the\everyjob}
1767 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1768 \def\bdiversion{%
1769   \relax
1770   \ifmmode
1771     \bidi@version
1772   \else
1773     $\bidi@version$
1774   \fi
1775 }
1776 \input iftex.sty
1777 \RequireXeTeX
1778 \newif\if@bidi@pdfm@mark
1779 \newif\if@RTLmain
1780 \newif\if@RTL
1781 \newif\if@hboxRconstruct
1782 \newif\if@sentedir
1783 \newif\if@RTL@footnote
1784 \@RTLmainfalse
1785 \def\setRTLmain{%
1786   \if@RTLmain\else
1787     \if@RTL\@RTLmaintrue%
1788     \else\@RTLmainfalse%
1789   \fi%
1790   \fi%
1791 }
1792 \let\n@xt=\
1793 \protected\def\LRE{\protect\pLRE}%
1794 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1795 \protected\def\RLE{\protect\pRLE}
1796 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1797 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1798   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1799 \newinsert\@bidi@copyins@
1800 \skip\@bidi@copyins@=12\p@
1801 \dimen\@bidi@copyins@=40pc
1802 \count\@bidi@copyins@=1000
1803 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
1804 \def\@bidi@logo@hb@xt@{%
1805   \if@RTLmain
1806     \hboxR to

```



```

1807 \else
1808     \hboxL to
1809 \fi
1810 }
1811 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package}}}
1812 \def\nobidilogo{\let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty}
1813 \def\@bidi@pdfcreator{%
1814 The bidi package, v\@bidi@version, \@bidi@date
1815 }
1816 \def\@bidi@pdfproducer{%
1817 The bidi package, v\@bidi@version, \@bidi@date
1818 }
1819 \def\bidi@pdfm@mark{%
1820 \if@bidi@pdfm@mark
1821     \special{pdf:%
1822         docinfo<<%
1823             /Creator(\@bidi@pdfcreator)%
1824             /Producer(\@bidi@pdfproducer)%
1825         >>%
1826     }%
1827 \fi
1828 }
1829 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
1830 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
1831 \input plain-xetex-bidi.def
1832 \@bidi@inslogo@
1833 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark\end}
1834 \catcode`\@=12
1835 \bidipdfinfoon

```

16 File bidi2in1.sty

```

1836 \NeedsTeXFormat{LaTeX2e}
1837 \ProvidesPackage{bidi2in1}
1838 \pagestyle{plain}
1839 \newcount\evenpage
1840 \newcount\oddpage
1841 \twocolumn
1842 \def\@oddfoot{\evenpage=\thepage%
1843 \multiply\evenpage by 2%
1844 \oddpage=\the\evenpage%
1845 \advance\oddpage by -1%
1846 \hfil\the\evenpage\hfil\hfil\the\oddpage\hfil}%
1847 \def\@evenfoot{\evenpage=\thepage%
1848 \multiply\evenpage by 2%
1849 \oddpage=\the\evenpage%
1850 \advance\oddpage by -1%
1851 \hfil\the\oddpage\hfil\hfil\the\evenpage\hfil}%
1852 \textwidth 9.49in
1853 \textheight 6.7in

```



```

1854 \columnsep 0.9in
1855 \columnseprule 0.125pt
1856 \headheight 0cm
1857 \topmargin 0in
1858 \marginparwidth 0in
1859 \marginparsep 0in
1860 \hoffset 0.05in % Corrected
1861 \voffset -0.5in %top margin space is 1.0in by default
1862 \oddsidemargin 0in
1863 \evensidemargin 0in
1864 \headsep 0cm
1865 \topskip 0cm
1866 \parskip 0.15in %
1867 \headsep 0pt
1868 \special{papersize=11.69in,8.26in}
1869 \renewcommand\maketitle{\par
1870 \begingroup
1871 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1872 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1873 \long\def\@makefntext##1{\parindent 1em\noindent
1874 \hb@xt@1.8em{%
1875 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1876 \@maketitle
1877 \@thanks
1878 \endgroup
1879 \setcounter{footnote}{0}%
1880 \global\let\thanks\relax
1881 \global\let\maketitle\relax
1882 \global\let\@maketitle\relax
1883 \global\let\@thanks\@empty
1884 \global\let\@author\@empty
1885 \global\let\@date\@empty
1886 \global\let\@title\@empty
1887 \global\let\title\relax
1888 \global\let\author\relax
1889 \global\let\date\relax
1890 \global\let\and\relax
1891 }

```

17 File `bidicode.sty`

```

1892 \NeedsTeXFormat{LaTeX2e}
1893 \ProvidesPackage{bidicode}
1894 \RequirePackage{xcolor}
1895 \RequirePackage{showexpl}
1896 \definecolor{hellgelb}{rgb}{1,1,0.85}
1897 \definecolor{colKeys}{rgb}{0,0,1}
1898 \definecolor{colIdentifier}{rgb}{0,0,0}
1899 \definecolor{colComments}{rgb}{1,0,0}
1900 \definecolor{colString}{rgb}{0,0.5,0}

```



```

1901 \lstset{
1902     language=[LaTeX]TEX,
1903     float=hb,
1904     basicstyle=\ttfamily\small,
1905     identifierstyle=\color{colIdentifier},
1906     keywordstyle=\color{colKeys},
1907     stringstyle=\color{colString},
1908     commentstyle=\color{colComments},
1909     backgroundcolor=\color{hellgelb},
1910     columns=flexible,
1911     tabsize=4,
1912     extendedchars=true,
1913     showspace=false,
1914     showstringspaces=false,
1915     numbers=left,
1916     numbersep=0.9em,
1917     numberstyle=\tiny, %
1918     frame=single,
1919     captionpos=b,
1920     xleftmargin=1em,
1921     breaklines=true,
1922     breakautoindent=false,
1923     breakindent=0pt,
1924     escapeinside=**,
1925     pos=r,
1926     explpreset={%
1927     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1928     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1929 }
1930 \newcommand\HLON{%
1931     \gdef\lst@alloverstyle##1{%
1932         \fboxrule=0pt
1933         \fboxsep=0pt
1934         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1935     }}
1936 \newcommand\HLOFF{%
1937     \xdef\lst@alloverstyle##1{##1}%
1938 }
1939 \newcommand\Larg [1]{\normalfont\itshape#1\/\}
1940 \newcommand\Larga[1]{\normalfont\itshape#1\angle$}
1941 \newcommand\Largb[1]{\normalfont\itshape#1\lcb\}
1942 \newcommand\Largs[1]{\normalfont\itshape#1\lsb\}
1943 \newcommand\Largr[1]{\normalfont\itshape#1\lrb\}
1944 \newcommand\LBEG[1]{\normalfont\itshape#1\begin\lcb#1\rcb}
1945 \newcommand\LEND[1]{\normalfont\itshape#1\end\lcb#1\rcb}
1946
1947 \DeclareRobustCommand\bs{\normalfont\itshape\symbol{92}}
1948 \DeclareRobustCommand\lcb{\normalfont\itshape\char`{}}
1949 \DeclareRobustCommand\rcb{\normalfont\itshape\char`\}}
1950 \DeclareRobustCommand\lsb{\normalfont\itshape\char`\}}

```



```

1951 \DeclareRobustCommand\rsb{{\normalfont\ttfamily}}
1952 \DeclareRobustCommand\lrb{{\normalfont\ttfamily}}
1953 \DeclareRobustCommand\rrb{{\normalfont\ttfamily}}
1954
1955 \def\Lcs#1{\nxLcs{#1}}
1956 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1957 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1958
1959 \def\Coordx#1{${x}_{#1}$}
1960 \def\Coordy#1{${y}_{#1}$}
1961 \def\Coordz#1{${z}_{#1}$}
1962 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1963 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1964 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1965 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
1966 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1967 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1968 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
1969 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1970 \def\coordx#1{(${x}_{#1}$)}
1971 \def\coordy#1{(${y}_{#1}$)}
1972 \def\coordz#1{(${z}_{#1}$)}
1973 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
1974 \def\ciiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1975
1976 \newsavebox{\boxdef}
1977 \newenvironment{BDef}
1978   {\begin{lrbox}\boxdef
1979     \def\arraystretch{1.0}
1980     \begin{tabular}{@{}l@{}l@{}l@{}}
1981   }
1982   {\end{tabular}\end{lrbox}}
1983
1984   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1985   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1986 }
1987
1988 \newenvironment{BDef*}
1989   {\begin{lrbox}\boxdef
1990     \def\arraystretch{1.0}
1991     \begin{tabular}{@{}l@{}l@{}l@{}}
1992   }
1993   {\end{tabular}\end{lrbox}}
1994   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1995   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1996 }
1997 \newenvironment{BCmd}{
1998   \@beginparpenalty-\@lowpenalty
1999   \topsep\BDefaboveskip
2000   \fbboxsep3pt

```



```

2001 \flushleft}
2002 {\@endparpenalty\@M
2003 \@topsepadd\BDefbelowskip
2004 \endflushleft}
2005
2006 \newenvironment{BCmd*}{
2007 \@beginparpenalty\@M
2008 \topsep\BDefinlineskip
2009 \fboxsep3pt
2010 \flushleft}
2011 {\@endparpenalty5000
2012 \endflushleft}
2013
2014 \newskip\BDefaboveskip
2015 \newskip\BDefbelowskip
2016 \newskip\BDefinlineskip
2017 \setlength\BDefaboveskip{10pt plus 4pt}
2018 \setlength\BDefbelowskip{6pt}
2019 \setlength\BDefinlineskip{6pt}
2020
2021 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2022 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
2023 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2024 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

18 File bidiftnxtra.sty

```

2025 \NeedsTeXFormat{LaTeX2e}
2026 \ProvidesPackage{bidiftnxtra}
2027 \newtoks\bidi@p@ftn
2028 \let\FN@sf@@footnote\footnote
2029 \let\FN@sf@@LTRfootnote\LTRfootnote
2030 \let\FN@sf@@RTLfootnote\RTLfootnote
2031 \def\footnote{\ifx\protect\@typeset@protect
2032 \expandafter\FN@sf@@footnote
2033 \else
2034 \expandafter\FN@sf@gobble@opt
2035 \fi
2036 }
2037 \def\LTRfootnote{\ifx\protect\@typeset@protect
2038 \expandafter\FN@sf@@LTRfootnote
2039 \else
2040 \expandafter\FN@sf@gobble@opt
2041 \fi
2042 }
2043 \def\RTLfootnote{\ifx\protect\@typeset@protect
2044 \expandafter\FN@sf@@RTLfootnote
2045 \else
2046 \expandafter\FN@sf@gobble@opt
2047 \fi

```



```

2048 }
2049 \edef\FN@sfgobble@opt{\noexpand\protect
2050 \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
2051 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
2052 \ifnextchar[%]
2053 \FN@sfgobble@twobrace
2054 \@gobble
2055 }
2056 \def\FN@sfgobble@twobrace[#1]#2{}
2057 \let\FN@sfgobble@footnotemark\footnotemark
2058 \def\footnotemark{\ifx\protect\@typeset\protect
2059 \expandafter\FN@sfgobble@footnotemark
2060 \else
2061 \expandafter\FN@sfgobble@optonly
2062 \fi
2063 }
2064 \edef\FN@sfgobble@optonly{\noexpand\protect
2065 \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2066 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
2067 \ifnextchar[%]
2068 \FN@sfgobble@brace
2069 }%
2070 }
2071 \def\FN@sfgobble@brace[#1]{}
2072 \def\@tabular{%
2073 \leavevmode \hbox \bgroup
2074 \let\@footnotetext\@bidi@p@ftntext
2075 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2076 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2077 \let\@xfootnotenext\@bidi@p@xftntext
2078 \let\@xfootnote\@bidi@p@xfootnote
2079 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2080 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2081 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2082 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2083 \if@RTLtab\beginR \fi
2084 $\let\@acol\@tabacol
2085 \let\@classz\@tabclassz
2086 \let\@classiv\@tabclassiv \let\\ \@tabularcr \@tabarray}
2087 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2088 \egroup $\if@RTLtab\endR\fi\egroup
2089 \ifx\@captive\@undefined
2090 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2091 \long\def\@bidi@p@ftntext#1{%
2092 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2093 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2094 \long\def\@bidi@p@LTRftntext#1{%
2095 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2096 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2097 \long\def\@bidi@p@RTLftntext#1{%

```



```

2098 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
2099 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
2100
2101
2102 \long\def\bidip@xftntext[#1]#2{%
2103 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
2104
2105 \long\def\bidip@xLTRftntext[#1]#2{%
2106 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
2107
2108 \long\def\bidip@xRTLftntext[#1]#2{%
2109 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
2110
2111
2112 \def\bidip@xfootnote[#1]{%
2113 \begingroup
2114 \csname c@\mpfn\endcsname #1\relax
2115 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2116 \endgroup
2117 \@footnotemark\bidip@xftntext[#1]}
2118
2119
2120 \def\bidip@xLTRfootnote[#1]{%
2121 \begingroup
2122 \csname c@\mpfn\endcsname #1\relax
2123 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2124 \endgroup
2125 \@footnotemark\bidip@xLTRftntext[#1]}
2126
2127
2128 \def\bidip@xRTLfootnote[#1]{%
2129 \begingroup
2130 \csname c@\mpfn\endcsname #1\relax
2131 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2132 \endgroup
2133 \@footnotemark\bidip@xRTLftntext[#1]}
2134
2135 \def\@xfloat #1[#2]{%
2136 \@nodocument
2137 \def \@capttype {#1}%
2138 \def \@fps {#2}%
2139 \@onelevel@sanitize \@fps
2140 \def \reserved@b {!}%
2141 \ifx \reserved@b \@fps
2142 \@fpsadddefault
2143 \else
2144 \ifx \@fps \empty
2145 \@fpsadddefault
2146 \fi
2147 \fi

```




```

2148 \ifhmode
2149 \@bsphack
2150 \@floatpenalty -\@Mii
2151 \else
2152 \@floatpenalty-\@Miii
2153 \fi
2154 \ifinner
2155 \@parmoderr\@floatpenalty\z@
2156 \else
2157 \@next\@currbox\@freelist
2158 {%
2159 \@tempcnta \sixt@@n
2160 \expandafter \@tfor \expandafter \reserved@a
2161 \expandafter :\expandafter =\@fps
2162 \do
2163 {%
2164 \if \reserved@a h%
2165 \ifodd \@tempcnta
2166 \else
2167 \advance \@tempcnta \@ne
2168 \fi
2169 \fi
2170 \if \reserved@a t%
2171 \@setfpsbit \tw@
2172 \fi
2173 \if \reserved@a b%
2174 \@setfpsbit 4%
2175 \fi
2176 \if \reserved@a p%
2177 \@setfpsbit 8%
2178 \fi
2179 \if \reserved@a !%
2180 \ifnum \@tempcnta>15
2181 \advance\@tempcnta -\sixt@@n\relax
2182 \fi
2183 \fi
2184 }%
2185 \@tempcntb \csname ftype@\@capytype \endcsname
2186 \multiply \@tempcntb \@xxxii
2187 \advance \@tempcnta \@tempcntb
2188 \global \count\@currbox \@tempcnta
2189 }%
2190 \@fltovf
2191 \fi
2192 \global \setbox\@currbox
2193 \color@vbox
2194 \normalcolor
2195 \vbox \bgroup
2196 \let\@footnotetext\@bidi@p@ftntext
2197 \let\@LTRfootnotetext\@bidi@p@LTRftntext

```



```

2198 \let\@RTLfootnotetext\@RTLftntext
2199 \let\@xfootnotenext\@xftntext
2200 \let\@xfootnote\@xfootnote
2201 \let\@xLTRfootnotenext\@xLTRftntext
2202 \let\@xLTRfootnote\@xLTRfootnote
2203 \let\@xRTLfootnotenext\@xRTLftntext
2204 \let\@xRTLfootnote\@xRTLfootnote
2205 \hsize\columnwidth
2206 \@parboxrestore
2207 \@floatboxreset
2208 }
2209 \def \@endfloatbox{%
2210 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87
2211 \@minipagefalse
2212 \outer@nobreak
2213 \egroup %% end of vbox
2214 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2215 \color@endbox
2216 }

```

19 File `bidimoderncv.cls`

```

2217 \NeedsTeXFormat{LaTeX2e}
2218 \ProvidesClass{bidimoderncv}
2219 \newif\if@DEBUG\@DEBUGfalse
2220 \DeclareOption{a4paper}{
2221 \setlength\paperheight{297mm}
2222 \setlength\paperwidth{210mm}}
2223 \DeclareOption{a5paper}{
2224 \setlength\paperheight{210mm}
2225 \setlength\paperwidth{148mm}}
2226 \DeclareOption{b5paper}{
2227 \setlength\paperheight{250mm}
2228 \setlength\paperwidth{176mm}}
2229 \DeclareOption{letterpaper}{
2230 \setlength\paperheight{11in}
2231 \setlength\paperwidth{8.5in}}
2232 \DeclareOption{legalpaper}{
2233 \setlength\paperheight{14in}
2234 \setlength\paperwidth{8.5in}}
2235 \DeclareOption{executivepaper}{
2236 \setlength\paperheight{10.5in}
2237 \setlength\paperwidth{7.25in}}
2238 \DeclareOption{landscape}{
2239 \setlength\@tempdima{\paperheight}
2240 \setlength\paperheight{\paperwidth}
2241 \setlength\paperwidth{\@tempdima}}
2242 \newcommand\@ptsize{}
2243 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2244 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}

```



```

2245 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2246 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2247 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2248 \newif\if@colour\@colourtrue
2249 \DeclareOption{nocolour}{\@colourfalse}
2250 \ExecuteOptions{a4paper,11pt,colour,final}
2251 \ProcessOptions\relax
2252 \input{size1\@ptsize.clo}
2253 \RequirePackage{color}
2254 \RequirePackage{graphicx}
2255 \RequirePackage{ifthen}
2256 \RequirePackage{marvosym}
2257 \addtolength{\oddsidemargin}{-54pt}
2258 \addtolength{\textwidth}{109pt}
2259 \addtolength{\topmargin}{-70pt}
2260 \addtolength{\textheight}{122pt}
2261 \addtolength{\marginparsep}{-5pt}
2262 \addtolength{\marginparwidth}{-10pt}
2263 \RequirePackage{url}
2264 \RequirePackage{hyperref}
2265 \hypersetup{%
2266   breaklinks,
2267   baseurl      = http://,%
2268   pdfborder    = 0 0 0,%
2269   pdfpagemode  = UseNone,%
2270   pdfstartpage = 1}
2271 \AtEndOfClass{%
2272   \AtBeginDocument{%
2273     \hypersetup{%
2274       pdfauthor    = \@firstname-\@familyname,%
2275       pdftitle     = \@title,%
2276       pdfsubject   = \@firstname-\@familyname,%
2277       pdfkeywords  = \@resumename-\@firstname-\@familyname}}}
2278 \urlstyle{tt}
2279 \RequirePackage{fancyhdr}
2280 \fancypagestyle{plain}{%
2281   \renewcommand{\headrulewidth}{0pt}
2282   \renewcommand{\footrulewidth}{0pt}
2283   \fancyhf{}}
2284 \pagestyle{plain}
2285 \setlength\lineskip{1\p@}
2286 \setlength\normallineskip{1\p@}
2287 \renewcommand\baselinestretch{}
2288 \setlength{\parindent}{0pt}
2289 \setlength{\parskip}{0pt}
2290 \setlength\columnsep{10\p@}
2291 \setlength\columnseprule{0\p@}
2292 \pagestyle{empty}
2293 \pagenumbering{arabic}
2294 \raggedbottom

```



```

2295 \onecolumn
2296 \providecommand*\listitemsymbol{\textbullet}
2297 \providecommand*\addresssymbol{}
2298 \providecommand*\mobilesymbol{\Mobilefone}
2299 \providecommand*\phonesymbol{\Telefon}
2300 \providecommand*\faxsymbol{\FAX}
2301 \providecommand*\emailsymbol{\Letter}
2302 \definecolor{firstnamecolour}{rgb}{0,0,0}
2303 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2304 \def\familynamcolour#1{\gdef\@familynamcolour{\addfontfeature{Color=#1}}}
2305 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2306 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2307 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2308 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2309 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2310 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2311 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2312 \providecommand*\firstnamefont{}
2313 \providecommand*\familynamefont{}
2314 \providecommand*\titlefont{}
2315 \providecommand*\addressfont{}
2316 \providecommand*\quotefont{}
2317 \providecommand*\sectionfont{}
2318 \providecommand*\subsectionfont{}
2319 \providecommand*\hintfont{\small}
2320 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1\}}
2321 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamcolour#1\}}
2322 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1\}}
2323 \providecommand*\addresstyle[1]{\{\@addressfont\@addresscolour#1\}}
2324 \providecommand*\quotestyle[1]{\{\@quotefont\@quotecolour#1\}}
2325 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1\}}
2326 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1\}}
2327 \providecommand*\hintstyle[1]{\{\@hintfont\@hintcolour#1\}}
2328 \newcommand*\cvtheme[2][]{\{
2329   \def\@cvtheme{#2}
2330   \def\@cvthemeoptions{#1\}}
2331 \cvtheme{bidi-casual}
2332 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2333 \newcommand*\resumename[1]{\def\@resumename{#1}}
2334 \newcommand*\firstname[1]{\def\@firstname{#1}}
2335 \newcommand*\familyname[1]{\def\@familyname{#1}}
2336 \renewcommand*\title[1]{\def\@title{#1}}
2337 \newcommand*\address[1]{\def\@address{#1}}
2338 \newcommand*\mobile[1]{\def\@mobile{#1}}
2339 \newcommand*\phone[1]{\def\@phone{#1}}
2340 \renewcommand*\fax[1]{\def\@fax{#1}}
2341 \newcommand*\email[1]{\def\@email{#1}}
2342 \newcommand*\extrainfo[1]{\def\@extrainfo{#1}}
2343 \def\@photowidth{0pt}
2344 \newcommand*\photo[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}

```



```

2345 \newcommand*{\quote}[1]{\def\@quote{#1}}
2346 \newlength{\quotewidth}
2347 \newlength{\hintscolumnwidth}
2348 \newlength{\separatorcolumnwidth}
2349 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2350 \newlength{\maincolumnwidth}
2351 \newlength{\doubleitemmaincolumnwidth}
2352 \newlength{\listitemsymbolwidth}
2353 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2354 \newlength{\listitemmaincolumnwidth}
2355 \newlength{\listdoubleitemmaincolumnwidth}
2356 \newcommand*{\recomputethemelengths}{%
2357 \newcommand*{\recomputelengths}{%
2358 \setlength{\quotewidth}{0.65\textwidth}%
2359 \setlength{\maincolumnwidth}{\textwidth}%
2360 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2361 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2362 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2363 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2364 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2365 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2366 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2367 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2368 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2369 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2370 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2371 \renewcommand{\headwidth}{\textwidth}%
2372 \recomputethemelengths}
2373 \setlength{\hintscolumnwidth}{0.15\textwidth}
2374 \recomputelengths
2375 \title{}
2376 \renewcommand*{\maketitle}{}
2377 \newcommand*{\section}[1]{%
2378 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2379 \phantomsection}%
2380 \addcontentsline{toc}{part}{#1}%
2381 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\section{#1}}}%
2382 \hspace{\separatorcolumnwidth}%
2383 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\!1ex\]}
2384 \newcommand*{\subsection}[1]{%
2385 \cvline[0.45em]{\subsectionstyle{#1}}}%
2386 \newcommand*{\cvline}[3][.25em]{%
2387 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}%
2388 \bidi@raggedleft\hintfont{#2} \&{#3}%
2389 \end{tabular}}\[\!#1\]}
2390 \newcommand*{\cvdoubleitem}[4]{%
2391 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2392 \hfill%
2393 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2394 \newcommand*{\cvlistitem}[2]{\listitemsymbol{}}}%

```



```

2395 \cvline[Opt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}\#2\end{minipage}}
2396 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{\%
2397 \cvline[Opt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#2\end{minipage}}%
2398 \hfill%
2399 \ifthenelse{\equal{\#3}{}}{
2400 }{
2401 \#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#3\end{minipage}}}}
2402 \newcommand*{\cventry}[6]{\%
2403 \cvline{\#1}{\%
2404 {\bfseries\#2}%
2405 \ifx\#3\else{, {\slshape\#3}}\fi%
2406 \ifx\#4\else{, \#4}\fi%
2407 \ifx\#5\else{, \#5}\fi%
2408 .%
2409 \ifx\#6\else{\newline}\begin{minipage}[t]{\linewidth}\small\#6\end{minipage}}\fi
2410 }}%
2411 \newcommand*{\cvlanguage}[3]{\%
2412 \cvline{\#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{\#2}\end{minipage}\hfill\begin{tr
2413 \newcommand*{\cvcomputer}[4]{\%
2414 \cdoubleitem{\#1}{\small\#2}{\#3}{\small\#4}}
2415 \newcommand*{\link}[2][\%
2416 \ifthenelse{\equal{\#1}{}}{
2417 {\href{\#2}{\#2}}%
2418 {\href{\#2}{\#1}}}
2419 \newcommand*{\httplink}[2][\%
2420 \ifthenelse{\equal{\#1}{}}{
2421 {\href{http://\#2}{\#2}}%
2422 {\href{http://\#2}{\#1}}}
2423 \newcommand*{\emailink}[2][\%
2424 \ifthenelse{\equal{\#1}{}}{
2425 {\href{mailto:\#2}{\#2}}%
2426 {\href{mailto:\#2}{\#1}}}
2427 \newif\if@displaypagenumbers\@displaypagenumberstrue
2428 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2429 \AtBeginDocument{\%
2430 \if@displaypagenumbers%
2431 \@ifundefined{r@lastpage}{\%
2432 \ifthenelse{\pageref{lastpage} > 1}{\%
2433 \fancypagestyle{plain}{\%
2434 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\page
2435 \pagestyle{plain}}}{}}%
2436 \AtEndDocument{\label{lastpage}}%
2437 \fi}
2438 \newlength{\bibindent}
2439 \setlength{\bibindent}{1.5em}
2440 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2441 \newenvironment{thebibliography}[1]{\%
2442 {\%
2443 \section{\refname}%
2444 \small%

```



```

2445 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2446 \bidi@thebibliography@font@hook%
2447 \begin{list}{\bibliographyitemlabel}%
2448 {%
2449   \setlength{\topsep}{0pt}%
2450   \setlength{\labelwidth}{\hintscolumnwidth}%
2451   \setlength{\labelsep}{\separatorcolumnwidth}%
2452   \leftmargin\labelwidth%
2453   \advance\leftmargin\labelsep%
2454   \@openbib@code%
2455   \usecounter{enumiv}%
2456   \let\p@enumiv\@empty%
2457   \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2458   \sloppy\clubpenalty4000\widowpenalty4000%
2459 }%
2460 {%
2461   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2462   \end{list}%
2463 }
2464 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2465 \let\@openbib@code\@empty

```

20 File biditools.sty

```

2466 \NeedsTeXFormat{LaTeX2e}
2467 \ProvidesPackage{biditools}[2017/10/11 v1.2 Programming tools for bidi package]
2468 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar\\\relax
2469   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2470   \ifx\@tempa\@tempb \global\let#2#1%
2471   \else
2472     \edef\@tempb{\meaning#2}%
2473     \ifx\@tempa\@tempb
2474     \else
2475       \@latex@error{Unable to properly define \string#2; primitive
2476       \noexpand#1no longer primitive}\@eha
2477     \fi
2478   \fi
2479   \endgroup}
2480 \newtoks\@bidi@envbody
2481 \newtoks\@bidi@emptytoks
2482 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2483 \def\bidi@collect@body#1{%
2484   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2485   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2486   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2487   \begingroup
2488   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@body
2489   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2490   \bidi@process@envbody
2491 }

```



```

2492 \def\bidipush@begins#1\begin#2{%
2493   \ifx\end#2\else b\expandafter\bidipush@begins\fi
2494 }
2495 \def\bidicollect@@body#1\end#2{%
2496   \edef\begin@bidi@stack{\bidipush@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2497   \ifx\@empty\begin@bidi@stack
2498     \endgroup
2499     \@checkend{#2}%
2500     \bidi@addto@envbody{#1}%
2501   \else
2502     \bidi@addto@envbody{#1\end{#2}}%
2503   \fi
2504   \bidi@process@envbody % A little tricky! Note the grouping
2505 }
2506 \long\def\bidicollect@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2507 \long\def\bidicollect@long@body#1{%
2508   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2509   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2510   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2511   \begingroup
2512   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2513   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2514   \bidi@process@envbody
2515 }
2516 \long\def\bidipush@long@begins#1\begin#2{%
2517   \ifx\end#2\else b\expandafter\bidipush@long@begins\fi
2518 }
2519 \long\def\bidicollect@long@@body#1\end#2{%
2520   \edef\begin@bidi@stack{\bidipush@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2521   \ifx\@empty\begin@bidi@stack
2522     \endgroup
2523     \@checkend{#2}%
2524     \bidi@addto@long@envbody{#1}%
2525   \else
2526     \bidi@addto@long@envbody{#1\end{#2}}%
2527   \fi
2528   \bidi@process@envbody % A little tricky! Note the grouping
2529 }
2530 \long\def\bidinew@ifnextchar#1#2#3{%
2531   \let\reserved@d= #1%
2532   \def\reserved@a{#2}\def\reserved@b{#3}%
2533   \futurelet\@let@token\bidi@new@ifnch
2534 }
2535 \def\bidinew@ifnch{%
2536   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2537   \reserved@b
2538 }
2539 \def\bidimatrix@check#1{%
2540   \expandafter\ifx\csname\@currenvir\endcsname#1%
2541   \else\bidi@matrix@error#1%

```




```

2542 \expandafter\@gobble
2543 \fi
2544 }
2545 \def\bidi@matrix@error#1{%
2546 \PackageError{biditools}{%
2547 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2548 }{%
2549 '\string#1{...}' is old bidi package syntax whose use is
2550 ill-advised in the old versions of bidi package.%
2551 }%
2552 }
2553 \def\@tagsextension{clo}
2554 \def\@definitionfileextension{def}
2555 \def\@texfileextension{tex}
2556 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2557 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2558 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2559 \def\eqnewif#1#2{%
2560 \count@\escapechar \escapechar\m@ne
2561 \let#1\iffalse
2562 \let#2\iffalse
2563 \eq@if#1#2\iftrue
2564 \eq@if#1#2\iffalse
2565 \escapechar\count@}
2566 \def\eq@if#1#2#3{%
2567 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2568 \expandafter\@gobbletwo\string#3\endcsname
2569 {\let#1#3%
2570 \let#2#3}%
2571 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2572 \expandafter\@gobbletwo\string#3\endcsname
2573 {\let#2#3%
2574 \let#1#3}}
2575 \newcommand*\SetBoolean}[2]{%
2576 \lowercase{\def\@tempa{#2}}%
2577 \@ifundefined{\@tempa}{\@tempa}%
2578 {\PackageError{biditools}%
2579 {You can only set a boolean to `true' or `false'}\@ehc}%
2580 {\@ifundefined{#1\@tempa}%
2581 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2582 {\csname#1\@tempa\endcsname}}}
2583 \newcommand*\GlobalSetBoolean}[2]{%
2584 \lowercase{\def\@tempa{#2}}%
2585 \@ifundefined{\@tempa}{\@tempa}%
2586 {\PackageError{biditools}%
2587 {You can only set a boolean to `true' or `false'}\@ehc}%
2588 {\@ifundefined{#1\@tempa}%
2589 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2590 {\global\csname#1\@tempa\endcsname}}}
2591 \newcommand*\SetatBoolean}[2]{%

```



```

2592 \lowercase{\def\@tempa{#2}}%
2593 \@ifundefined{@tempswa\@tempa}%
2594 {\PackageError{biditools}%
2595   {You can only set a boolean to `true' or `false'}\@ehc}%
2596 {\@ifundefined{@#1\@tempa}%
2597   {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2598   {\csname @#1\@tempa\endcsname}}}
2599 \newcommand*{\GlobalSetatBoolean}[2]{%
2600   \lowercase{\def\@tempa{#2}}%
2601   \@ifundefined{@tempswa\@tempa}%
2602   {\PackageError{biditools}%
2603     {You can only set a boolean to `true' or `false'}\@ehc}%
2604   {\@ifundefined{@#1\@tempa}%
2605     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2606     {\global\csname @#1\@tempa\endcsname}}}
2607 \def\@bidi@removefromreset#1#2{%
2608   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2609   \def\@elt##1{%
2610     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2611     \else
2612       \noexpand\@elt{##1}%
2613     \fi}%
2614   \expandafter\xdef\csname cl@#2\endcsname{%
2615     \csname cl@#2\endcsname}}
2616 \newcommand*{\ifRtoL}{%
2617   \if@RTL
2618     \expandafter\@firstoftwo
2619   \else
2620     \expandafter\@secondoftwo
2621   \fi}
2622 \newcommand*{\ifLtoR}{%
2623   \if@RTL
2624     \expandafter\@secondoftwo
2625   \else
2626     \expandafter\@firstoftwo
2627   \fi}
2628 \newcommand*{\ifRtoLtable}{%
2629   \if@RTLtab
2630     \expandafter\@firstoftwo
2631   \else
2632     \expandafter\@secondoftwo
2633   \fi}
2634 \newcommand*{\ifLtoRtable}{%
2635   \if@RTLtab
2636     \expandafter\@secondoftwo
2637   \else
2638     \expandafter\@firstoftwo
2639   \fi}
2640 \newcommand*{\ifRtoLhboxconstruct}{%
2641   \if@hboxRconstruct

```



```

2642 \expandafter\@firstoftwo
2643 \else
2644 \expandafter\@secondoftwo
2645 \fi}
2646 \newcommand*{\ifLtoR hboxconstruct}{%
2647 \if@hboxRconstruct
2648 \expandafter\@secondoftwo
2649 \else
2650 \expandafter\@firstoftwo
2651 \fi}
2652 \newcommand*{\iflatin}{%
2653 \if@nonlatin
2654 \expandafter\@secondoftwo
2655 \else
2656 \expandafter\@firstoftwo
2657 \fi}
2658 \newcommand*{\ifnonlatin}{%
2659 \if@nonlatin
2660 \expandafter\@firstoftwo
2661 \else
2662 \expandafter\@secondoftwo
2663 \fi}
2664
2665 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
2666 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2667
2668 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
2669 \dimexpr #1*65536/\dimexpr 1pt\relax}
2670
2671 \newcommand*{\if@bidi@csdef}[1]{%
2672 \ifcsname#1\endcsname
2673 \expandafter\@firstoftwo
2674 \else
2675 \expandafter\@secondoftwo
2676 \fi}
2677 \newcommand*{\if@bidi@csundef}[1]{%
2678 \ifcsname#1\endcsname
2679 \expandafter\ifx\csname#1\endcsname\relax
2680 \expandafter\expandafter
2681 \expandafter\@firstoftwo
2682 \else
2683 \expandafter\expandafter
2684 \expandafter\@secondoftwo
2685 \fi
2686 \else
2687 \expandafter\@firstoftwo
2688 \fi}
2689 \newcommand*{\if@bidi@def}[1]{%
2690 \ifdefined#1%
2691 \expandafter\@firstoftwo

```



```

2692 \else
2693 \expandafter\@secondoftwo
2694 \fi}
2695 \newcommand{\if@bidi@undef}[1]{%
2696 \ifdefined#1%
2697 \ifx#1\relax
2698 \expandafter\expandafter
2699 \expandafter\@firstoftwo
2700 \else
2701 \expandafter\expandafter
2702 \expandafter\@secondoftwo
2703 \fi
2704 \else
2705 \expandafter\@firstoftwo
2706 \fi}
2707 \newcommand{\if@bidi@blank}[1]{% from url.sty
2708 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2709 \long\def\bidi@ifblank@i#1#2&#3#4#5:#{#4}
2710 \newcommand{\bidi@notblank}[1]{%
2711 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2712 \newcommand{\if@bidi@defmacro}{}
2713 \long\edef\if@bidi@defmacro#1{%
2714 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2715 \noexpand\meaning#1\detokenize{macro}:&}
2716 \edef\bidi@ifdefmacro{%
2717 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
2718 \bidi@ifdefmacro{\bidi@notblank{#2}}
2719 \newcommand*{\if@bidi@csmacro}[1]{%
2720 \if@bidi@csdef{#1}
2721 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2722 {\@secondoftwo}}
2723 \newcommand{\if@bidi@defprimitive}[1]{%
2724 \ifprimitive#1%
2725 \expandafter\@firstoftwo
2726 \else
2727 \expandafter\@secondoftwo
2728 \fi}
2729 \newcommand{\if@bidi@csprimitive}[1]{%
2730 \begingroup\expandafter\expandafter\expandafter\endgroup%
2731 \expandafter\ifprimitive\csname#1\endcsname%
2732 \expandafter\@firstoftwo
2733 \else
2734 \expandafter\@secondoftwo
2735 \fi}
2736 \newcommand*{\bidi@csdefcs}[2]{%
2737 \expandafter\@ifdefinable \csname#1\endcsname{%
2738 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2739 \newcommand*{\bidi@csletcs}[2]{%
2740 \expandafter\@ifdefinable \csname#1\endcsname{%
2741 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}

```



```

2742 \newcommand*{\bidi@cslet}[2]{%
2743 \expandafter\@ifdefinable \csname#1\endcsname{%
2744 \expandafter\let\csname#1\endcsname#2}}
2745 \newcommand{\bidi@namelongdef}[1]{%
2746 \long\expandafter\def\csname #1\endcsname}
2747 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2748 \def\bidi@ensure@new@command#1{%
2749 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2750 \expandafter\if@bidi@csundef\@gtempa
2751 {\new@command#1}{\relax%
2752 \let\@ifdefinable\@rc@ifdefinable%
2753 \new@command#1}}
2754 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2755
2756 \protected\def\bidi@error{\PackageError{bidi}}
2757 \protected\def\bidi@warning{\PackageWarning{bidi}}
2758 \protected\def\bidi@info{\PackageInfo{bidi}}
2759
2760
2761 \newcommand*{\setbaselineskip}[1]{%
2762 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
2763 \selectfont
2764 }
2765
2766
2767 \newcommand*{\bidi@newrobustcmd}{%
2768 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2769
2770 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2771
2772 \def\bidi@newcommand#1[#2]{%
2773 \@ifnextchar[%]
2774 {\bidi@xargdef#1[#2]}
2775 {\ifx\l@ngrel@x\relax
2776 \let\l@ngrel@x\protected
2777 \else
2778 \protected\def\l@ngrel@x{\protected\long}%
2779 \fi
2780 \@argdef#1[#2]}}
2781
2782 \long\def\bidi@xargdef#1[#2][#3]#4{%
2783 \@ifdefinable#1{%
2784 \expandafter\protected
2785 \expandafter\def
2786 \expandafter#1%
2787 \expandafter{%
2788 \expandafter\@testopt
2789 \csname\string#1\endcsname{#3}}}%
2790 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
2791

```



```

2792 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2793
2794 \def\bidi@renew@command#1{%
2795   \if@bidi@undef{#1}
2796     {\bidi@error{\string#1 undefined}\@ehc}
2797     {}%
2798   \let\@ifdefinable\@rc@ifdefinable
2799   \bidi@new@command#1}
2800
2801
2802
2803 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2804
2805 \def\bidi@provide@command#1{%
2806   \if@bidi@undef{#1}
2807     {\def\reserved@a{\bidi@new@command#1}}
2808     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2809   \reserved@a}
2810
2811 \newcommand*{\bidi@csuse}[1]{%
2812   \ifcsname#1\endcsname
2813     \csname#1\expandafter\endcsname
2814     \fi}
2815
2816 \newcommand{\bidi@expandonce}[1]{%
2817   \unexpanded\expandafter{#1}}
2818
2819 \def\bidi@protected{%
2820   \let\@@protect\protect
2821   \let\protect\@unexpandable@protect
2822   \afterassignment\restore@protect}
2823
2824 \bidi@newrobustcmd{\bidi@appto}[2]{%
2825   \if@bidi@undef{#1}
2826     {\edef#1{\unexpanded{#2}}}
2827     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2828 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2829   \if@bidi@undef{#1}
2830     {\edef#1{#2}}
2831     {\edef#1{\bidi@expandonce#1#2}}}}
2832 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2833   \if@bidi@undef{#1}
2834     {\xdef#1{\unexpanded{#2}}}
2835     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2836 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2837   \if@bidi@undef{#1}
2838     {\xdef#1{#2}}
2839     {\xdef#1{\bidi@expandonce#1#2}}}}
2840
2841 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}

```



```

2842 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2843
2844
2845
2846 \bidi@newrobustcmd{\bidi@preto}[2]{%
2847   \if@bidi@undef{#1}
2848     {\edef#1{\unexpanded{#2}}}
2849     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2850 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2851   \if@bidi@undef{#1}
2852     {\edef#1{#2}}
2853     {\edef#1{#2\bidi@expandonce#1}}}
2854 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2855   \if@bidi@undef{#1}
2856     {\xdef#1{\unexpanded{#2}}}
2857     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2858 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2859   \if@bidi@undef{#1}
2860     {\xdef#1{#2}}
2861     {\xdef#1{#2\bidi@expandonce#1}}}
2862
2863 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2864 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2865
2866
2867
2868 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2869 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2870 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2871 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2872 \bidi@newrobustcmd*{\bidi@protected@csappto}{\bidi@protected\bidi@csappto}
2873 \bidi@newrobustcmd*{\bidi@protected@csgappto}{\bidi@protected\bidi@csgappto}
2874
2875
2876
2877 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2878 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2879 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2880 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2881 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2882 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2883
2884
2885
2886 \bidi@newrobustcmd{\if@bidi@patchable}{%
2887   \bidi@dbg@trce\if@bidi@patchable
2888   \begingroup
2889   \@makeother\#%
2890   \@ifstar\bidi@ifpatchablei\bidi@ifpatchable}
2891

```



```

2892 \long\def\bidifpatchable#1#2{%
2893   \endgroup
2894   \bidi@dbg@init#1%
2895   \if@bidi@undef{#1}
2896     {\bidi@dbg@fail{def}\@secondoftwo}
2897     {\bidi@dbg@info{def}%
2898     \if@bidi@defmacro{#1}
2899       {\bidi@dbg@info{mac}%
2900       \bidi@ifscanable{#1}
2901         {\bidi@ifhashcheck{#2}
2902           {\bidi@dbg@info{tok}%
2903           \bidi@ifpattern#1{#2}
2904             {\bidi@dbg@info{pat}%
2905             \bidi@dbg@info{pos}\@firstoftwo}
2906             {\bidi@dbg@fail{pat}\@secondoftwo}}
2907             {\bidi@dbg@fail{hsh}\@secondoftwo}}
2908             {\bidi@dbg@fail{tok}\@secondoftwo}}
2909             {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2910
2911 \long\def\bidifpatchable@i#1{%
2912   \endgroup
2913   \bidi@dbg@init#1%
2914   \if@bidi@undef{#1}
2915     {\bidi@dbg@fail{def}\@secondoftwo}
2916     {\bidi@dbg@info{def}%
2917     \if@bidi@defmacro{#1}
2918       {\bidi@dbg@info{mac}%
2919       \if@bidi@defparam{#1}
2920         {\bidi@dbg@info{prm}%
2921         \bidi@ifscanable{#1}
2922           {\bidi@dbg@info{tok}%
2923           \bidi@dbg@info{pos}\@firstoftwo}
2924           {\bidi@dbg@fail{tok}\@secondoftwo}}
2925           {\bidi@dbg@info{prl}%
2926           \if@bidi@defprotected{#1}
2927             {\bidi@dbg@info{pro}}
2928             {}%
2929           \bidi@dbg@info{pos}\@firstoftwo}}
2930           {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2931
2932 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2933   \bidi@dbg@trce\bidi@patchcmd
2934   \begingroup
2935   \@makeother\#%
2936   \bidi@@patchcmd}
2937
2938 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2939   \bidifpatchable#2{#3}
2940   {\bidi@dbg@succ{ret}%
2941   \begingroup

```




```

2942 \edef\bidiresrvda{%
2943 \def\noexpand\bidiresrvda####1\detokenize{macro:}####2->####3&{%
2944 #1\def\string\bidiresrvda\space####2{\noexpand\bidiresrvdb####3&}}%
2945 \def\noexpand\bidiresrvdb####1\detokenize{#3}####2&{%
2946 ####1\detokenize{#4}####2}%
2947 \edef\noexpand\bidiresrvda{%
2948 \noexpand\bidiresrvda\meaning#2&}}%
2949 \bidiresrvda
2950 \bidipatchcmd@scantoks\bidiresrvda
2951 \let#2\bidiresrvda
2952 \bidi@undef\bidiresrvda
2953 \@firstoftwo}
2954 {\@secondoftwo}}
2955
2956 \def\bidipatchcmd@scantoks#1{%
2957 \edef\bidiresrvda{\endgroup
2958 \unexpanded{\makeatletter\scantokens}{#1}%
2959 \catcode\number`\@=\the\catcode`\@relax}%
2960 \bidiresrvda}
2961
2962 \newcommand\bidisloaded[2][{}{
2963 \expandafter\ifx\csname if@bidic#2loaded@endcsname\relax
2964 \expandafter\newif\csname if@bidic#2loaded@endcsname
2965 \fi
2966 \@ifpackageloaded{#2}
2967 {\csname @bidic#2loaded@trueendcsname #1}
2968 {\csname @bidic#2loaded@falseendcsname}}
2969
2970 \protected\def\bidiiifscanable#1{%
2971 \begingroup
2972 \edef\bidiresrvda{%
2973 \def\noexpand\bidiresrvda####1\detokenize{macro:}####2->####3&{%
2974 ####1\def\string\bidiresrvda####2{####3}}%
2975 \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
2976 \bidiresrvda
2977 \makeatletter
2978 \scantokens\expandafter{\bidiresrvda}%
2979 \expandafter\endgroup\ifx#1\bidiresrvda
2980 \expandafter\@firstoftwo
2981 \else
2982 \expandafter\@secondoftwo
2983 \fi}
2984
2985
2986 \protected\long\def\bidiiifhashcheck#1{%
2987 \begingroup
2988 \edef\bidiresrvda{\detokenize{#1}}%
2989 \expandafter\endgroup
2990 \expandafter\bidiiifhashcheck@i\meaning\bidiresrvda&}
2991

```



```

2992 \edef\bidi@ifhashcheck@i#1&{%
2993   \noexpand\expandafter
2994   \noexpand\bidi@ifhashcheck@ii
2995   \noexpand\strip@prefix#1\string#\string#&}
2996
2997 \edef\bidi@ifhashcheck@ii{%
2998   \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&{%
2999 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
3000
3001
3002 \protected\long\def\bidi@ifpattern#1#2{%
3003   \begingroup
3004   \edef\bidi@resrvda{%
3005     \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
3006       \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}%
3007     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3008       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3009     \noexpand\bidi@resrvda}
3010     \bidi@resrvda\@secondoftwo\@firstoftwo}
3011
3012
3013 \newcommand{\if@bidi@defparam}{%
3014 \long\edef\if@bidi@defparam#1{%
3015   \noexpand\expandafter\noexpand\bidi@ifdefparam
3016   \noexpand\meaning#1\detokenize{macro}:->&}
3017 \edef\bidi@ifdefparam{%
3018   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&
3019 \bidi@ifdefparam{\bidi@notblank{#2}}
3020
3021
3022 \newcommand{\if@bidi@defprotected}{%
3023 \long\edef\if@bidi@defprotected#1{%
3024   \noexpand\expandafter\noexpand\bidi@ifdefprotected
3025   \noexpand\meaning#1\string\protected&}
3026 \edef\bidi@ifdefprotected{%
3027   \def\noexpand\bidi@ifdefprotected##1\string\protected##2&
3028 \bidi@ifdefprotected{\bidi@notblank{#2}}
3029
3030
3031 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3032
3033 \let\bidi@dbg@trce\@gobble
3034 \let\bidi@dbg@init\@gobble
3035 \let\bidi@dbg@info\@gobble
3036 \let\bidi@dbg@succ\@gobble
3037 \let\bidi@dbg@fail\@gobble
3038
3039
3040
3041 \bidi@newrobustcmd*\bidi@apptocmd}{%

```



```

3042 \bidi@dbg@trce\bidi@apptocmd
3043 \begingroup
3044 \@makeother\#%
3045 \bidi@hooktocmd\bidi@append}
3046
3047
3048
3049 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3050 \bidi@dbg@trce\bidi@pretocmd
3051 \begingroup
3052 \@makeother\#%
3053 \bidi@hooktocmd\bidi@prepend}
3054
3055 \long\def\bidi@hooktocmd#1#2#3{%
3056 \endgroup
3057 \bidi@dbg@init#2%
3058 \if\bidi@undef{#2}
3059 {\bidi@dbg@fail{def}\@secondoftwo}
3060 {\bidi@dbg@info{def}%
3061 \if\bidi@defmacro{#2}
3062 {\bidi@dbg@info{mac}%
3063 \if\bidi@defparam{#2}
3064 {\bidi@dbg@info{prm}%
3065 \bidi@ifscanable{#2}
3066 {\bidi@ifhashcheck{#3}
3067 {\bidi@dbg@info{tok}%
3068 \bidi@dbg@succ{ret}%
3069 \bidi@hooktocmd@i#1#2{#3}%
3070 \@firstoftwo}
3071 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3072 {\bidi@dbg@fail{tok}\@secondoftwo}}
3073 {\bidi@dbg@info{prl}%
3074 \if\bidi@defprotected{#2}
3075 {\bidi@dbg@info{pro}%
3076 \bidi@dbg@succ{red}%
3077 \protected}
3078 {\bidi@dbg@succ{red}}}%
3079 \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3080 \@firstoftwo}}
3081 {\bidi@dbg@fail{mac}\@secondoftwo}}
3082
3083 \long\def\bidi@hooktocmd@i#1#2#3{%
3084 \begingroup
3085 \edef\bidi@resrvda{%
3086 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3087 ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3088 \edef\noexpand\bidi@resrvda{%
3089 \noexpand\bidi@resrvda\meaning#2&}}%
3090 \bidi@resrvda
3091 \bidi@patchcmd@scantoks\bidi@resrvda

```



```

3092 \let#2\bidiresrvda
3093 \bidi@undef\bidiresrvda}
3094
3095 \long\def\bidibid@append#1#2{#1#2}
3096 \long\def\bidibid@prepend#1#2{#2#1}
3097
3098 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3099 \newcommand*{\bidi@endpreamblehook}{}
3100
3101 \bidi@preto\document{%
3102 \endgroup
3103 \let\bidi@AtEndPreamble\@firstofone
3104 \bidi@endpreamblehook
3105 \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3106 \bidi@undef\bidi@endpreamblehook
3107 \begingroup}
3108
3109 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3110 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3111
3112 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3113 \newcommand*{\bidi@afterendpreamblehook}{}
3114
3115 \bidi@appto\document{%
3116 \let\bidi@AfterEndPreamble\@firstofone
3117 \bidi@afterendpreamblehook
3118 \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3119 \bidi@undef\bidi@afterendpreamblehook
3120 \ignorespaces}
3121
3122 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3123
3124 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3125 \newcommand*{\bidi@afterenddocumenthook}{}
3126
3127 \bidi@patchcmd\enddocument
3128 {\deadcycles}
3129 {\let\bidi@AfterEndDocument\@firstofone
3130 \bidi@afterenddocumenthook
3131 \deadcycles}
3132 {}
3133 {\let\bidi@@end@@end
3134 \def@@end{%
3135 \let\bidi@AfterEndDocument\@firstofone
3136 \bidi@afterenddocumenthook
3137 \bidi@@end}}
3138
3139 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3140 \bidi@csgappto{\bidi@begin@#1hook}}
3141

```



```

3142 \bidi@patchcmd\begin
3143   {\csname #1\endcsname}
3144   {\bidi@csuse{@bidi@begin@#1@hook}%
3145    \csname #1\endcsname}
3146   {}
3147   {\bidi@warning{%
3148     Patching '\string\begin' failed!\MessageBreak
3149     '\string\bidi@AtBeginEnvironment' will not work@gobble}}
3150
3151
3152
3153 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3154   \bidi@csgappto{@bidi@end@#1@hook}}
3155
3156 \bidi@patchcmd\end
3157   {\csname end#1\endcsname}
3158   {\bidi@csuse{@bidi@end@#1@hook}%
3159    \csname end#1\endcsname}
3160   {}
3161   {\bidi@warning{%
3162     Patching '\string\end' failed!\MessageBreak
3163     '\string\bidi@AtEndEnvironment' will not work@gobble}}
3164
3165
3166
3167 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3168   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3169
3170 \bidi@pretocmd\begin
3171   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3172   {}
3173   {\bidi@warning{%
3174     Patching '\string\begin' failed!\MessageBreak
3175     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
3176
3177
3178
3179 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3180   \bidi@csgappto{@bidi@afterend@#1@hook}}
3181
3182 \bidi@patchcmd\end
3183   {\if@ignore}
3184   {\bidi@csuse{@bidi@afterend@#1@hook}%
3185    \if@ignore}
3186   {}
3187   {\bidi@warning{%
3188     Patching '\string\end' failed!\MessageBreak
3189     '\string\bidi@AfterEndEnvironment' will not work@gobble}}
3190
3191 \chardef\bidi@backslash`\\

```



```

3192 \def\bidics#1{\texttt{\char\bidibackslash#1}}
3193
3194 % anonymous control sequences
3195 \newcount\biditempcountb
3196 \newtoks\biditemptoksa
3197 \newtoks\biditemptoksb
3198
3199 % Catcode (re)storing
3200 %
3201 \def\bidistorecatcode#1%
3202   {\escapechar\m@ne
3203    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3204    {\catcode`\string#1=
3205     \the\catcode\expandafter`\string#1}%
3206    \catcode\expandafter`\string#1=12\relax
3207    \escapechar`\\relax}
3208 \def\bidi@restorecatcode#1%
3209   {\escapechar\m@ne
3210    \csname bidi@restorecatcode\string#1\endcsname
3211    \escapechar`\\relax}
3212
3213 % Construct a control sequence inside \edef
3214 %
3215 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3216
3217 % Construct a control sequence out of #2, and give it to #1
3218 %
3219 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3220
3221 % Pick an escapecharacter
3222 % this presumes that its argument is a character.
3223 %
3224 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3225
3226 % Equality of strings.
3227 % the fast approach: does not work in expansion-only environment.
3228 %
3229 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
3230   \ifx\bidi@eqs@a\bidi@eqs@b}
3231
3232 % Test by expansion only
3233 %
3234 \def\bidi@EqualStringX#1#2{00\fi
3235   \csname if\@bidi@EqualStringX#1&#2&\$ \endcsname}
3236 \def\@bidi@EqualStringX#1#2$#3#4$ {\ifx#1#3%
3237   \ifx#1&true\else\bidi@hop@ES\@bidi@EqualStringX#2$#4$\fi
3238   \else false\fi}
3239 \def\bidi@hop@ES#1\fi#2\fi{\fi\fi#1}
3240
3241 % Lexicographic ordering

```



```

3242% note the use of \def
3243% also note the characters 0,127,255 that are used,
3244% these are not supposed to appear in the strings
3245%
3246{\catcode0=12 \catcode255=12 \catcode127=12
3247\gdef\bid@StringBeforeNC#1#2{00\fi
3248 \bid@CharsBefore#1^^@^^?#2^^ff^^?}%
3249\gdef\bid@CharsBeforeNC#1#2^^?#3#4^^?{%
3250 \ifcat#1\relax\def\bid@next{\bid@CharsBefore#2^^@^^?#3#4^^ff^^?}%
3251 \else\ifcat#3\relax\def\bid@next{\bid@CharsBefore#1#2^^@^^?#4^^ff^^?}%
3252 \else\ifnum\lccode`#1<\lccode`#3
3253 \def\bid@next{\csname iftrue\endcsname}%
3254 \else\ifnum\lccode`#1>\lccode`#3
3255 \def\bid@next{\csname iffalse\endcsname}%
3256 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3257 \fi \fi \fi \fi
3258 \bid@next}
3259\gdef\bid@StringBefore#1#2{00\fi
3260 \bid@CharsBefore#1^^@^^?#2^^ff^^?}%
3261\gdef\bid@CharsBefore#1#2^^?#3#4^^?{%
3262 \ifnum`#1<`#3
3263 \def\bid@next{\csname iftrue\endcsname}%
3264 \else\ifnum`#1>`#3
3265 \def\bid@next{\csname iffalse\endcsname}%
3266 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3267 \fi\fi
3268 \bid@next}
3269}
3270
3271% Null argument test
3272%
3273\def\bid@empty{}
3274\def\bid@ifempty#1{00\fi\expandafter\ifx\csname bid@#1@null\endcsname\bid@@null}
3275\def\bid@ifemptyX#1{\expandafter\ifx\csname bid@#1@null\endcsname\bid@@null}
3276%\def\bid@ifempty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bid@empty}
3277\def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bid@empty}
3278
3279% Next character test
3280%
3281\def\bid@NextChar#1#2#3{00\fi
3282 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3283 \futurelet\bid@nxt@c@\bid@ifnxtc}
3284\def\bid@ifNextChar#1#2#3{%
3285 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3286 \futurelet\bid@nxt@c@\bid@ifnxtc}
3287\def\bid@ifnxtc{\ifx\bid@nxt@ch\bid@nxt@c \expandafter\bid@nxt@a
3288 \else \expandafter\bid@nxt@b \fi}
3289
3290% Test for defined-ness of string as control sequence.
3291% works inside \edef

```



```

3292 %
3293 \def\bididefcs#1{00\fi\bidicsarg\ifx{#1}\relax}
3294
3295 % Define uniquely defined dummy macros,
3296 % usually to serve as bumper blocks at the end of a list
3297 %
3298 \newcount\bididummies
3299 \def\DefNewDummy#1{
3300   \if\bididefcs{#1}\bidicsarg\edef{#1}{\bididum\the\bididummies}
3301   \advance\bididummies\@ne
3302   \else
3303     \bidieerror{Attempt at second definition of `#1'}
3304   \fi}
3305
3306 % string case statement
3307 % use: \bidiswitch \iftest{...} in:
3308 %     item1 action1
3309 %     ...
3310 %     itemn actionn
3311 %     default defaultaction [optional]
3312 %     \endbidiswitch
3313 % inspired by Jonathan Fine: Some Basic Control Macros
3314 % Tugboat 12 #4
3315 %
3316 \let\@bidifi\fi \let\endbidiswitch\relax \DefNewDummy{\bididef}
3317 \def\bidiswitch@exit #1 \@bidifi #2 \endbidiswitch {\fi #1}
3318 \def\bidiswitch #1#2#3{\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3319   #1{#2}\bidiswitch@exit #3 \@bidifi
3320   \bidiswitch {#1}
3321 }
3322 % this version puts the test object in {}
3323 \def\bidioswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3324   #1{#2}\bidiswitch@exit #3 \@bidifi
3325   \bidiswitch #1 in:
3326 }
3327 % this version assumes that the test object is just one character
3328 \def\bidicswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3329   #1#2\bidiswitch@exit #3 \@bidifi
3330   \bidicswitch #1 in:
3331 }
3332 % this version assumes that the test object can have an optional space
3333 \def\bidibswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3334   #1#2 \bidiswitch@exit #3 \@bidifi
3335   \bidibswitch #1 in:
3336 }
3337 % this version can cope with significant spaces at the start of #3;
3338 % #2 is macro argument
3339 \def\bidimswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3340   #1{#2}\bidiswitch@exit #3 \@bidifi
3341   \bidimswitch #1 in:

```




```

3342 }
3343 % idem; #2 does not have to be enclosed in braces
3344 \def\bidifswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3345 #1#2 \bidi@switch@exit #3 \@bidi@fi
3346 \bidifswitch #1 in:
3347 }
3348
3349 % Routines for taking the value of a string:
3350 % if the string is defined as control sequence
3351 % take the value of that, otherwise take the string itself
3352
3353 % String or value of control sequence
3354 %
3355 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3356
3357 % String or control sequence
3358 %
3359 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3360
3361 % String or \noexpand-ed control sequence;
3362 % for use in \edef
3363 %
3364 \newif\ifbidi@in@label
3365 \def\@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
3366 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3367 \newtoks\bidi@are@these@correct
3368 \def\bidi@t@w@w#1{%
3369 \if\bidi@undefinedcs{#1}#1%
3370 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 }\fi
3371 \else
3372 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3373
3374 % List Manipulation .....
3375 % this assumes that #1 is a list of tokens, #2 is the name of a list
3376 %
3377 % Names of lists (and of items to pop into) are given as strings;
3378 % not as control sequences.
3379 %
3380 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
3381 % basic append/prepend macro
3382 \long\def\@bidi@append@to@csl#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3383 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@
3384 \long\def\@bidi@prepend@to@csl#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3385 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista\
3386 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@csl}}
3387 % variations:
3388 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
3389 \def\bidi@append@list@to@list#1#2{%
3390 \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\en
3391 \def\bidi@append@csl@to@csl#1#2{%

```



```

3392 \@bidi@append@to@cslist{#1}\expandafter{\the#2}}
3393 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
3394
3395 \let\bidi@willbeunhskip\unhskip
3396
3397 % A few list macros for the user
3398 \def\NewList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3399 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3400 \long\def\AppendToList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
3401 \def\TheList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\@empty
3402 \if\bidi@undefinedcs{#1}\bidi@error{List <#1> undefined}
3403 \else\bidi@csarg\the{#1}\fi
3404 \let\bidi@willbeunhskip\bidi@oldwbuskip}
3405
3406 \def\bidi@del@tok@from@list#1#2{\begingroup
3407 \long\def\bidi@cs@liste##1#2##2\bidi@tok@SM
3408 {\bidi@toks@lista{##1}\bidi@toks@listb{##2}%
3409 \edef\bidi@cs@listb{\global\bidi@csname{#1}=
3410 {\the\bidi@toks@lista\the\bidi@toks@listb}}%
3411 \bidi@cs@listb}%
3412 \edef\bidi@cs@lista{\noexpand\bidi@cs@liste}\expandafter\the\csname#1\endcsname\noexpand
3413 \bidi@cs@lista \endgroup}
3414 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3415 \bidi@in@front@of@cslist\bidi@cs@lista}
3416 \long\def\bidi@in@front@of@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
3417 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista
3418 \endgroup}
3419 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
3420 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3421 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3422 \expandafter\the\csname#1\endcsname}%
3423 }
3424 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3425 \bidi@set@cslist\bidi@cs@lista}
3426 \long\def\bidi@set@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
3427 \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
3428
3429 %%%%%%%%%%%%%%% Stack macros
3430 %
3431 % push in terms of prepending of lists
3432 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@cslist#1\expandafter{\expandafter\\expandafter
3433 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
3434 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@cslist#1}{\{\{#2\}\}}
3435 \def\bidi@local@push@onto#1#2{\let\\=\relax
3436 \bidi@local@in@front@of@list{#1}{\{\{#2\}\}}
3437 % pop via auxiliary macro: #1 is result, #2 is stack
3438 % two cs arguments
3439 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
3440 {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
3441 % two string arguments

```



```

3442 \def\bidipop@into#1#2{\edef\bidics@e
3443   {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bid
3444 \long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
3445 \def\bidicopy@stacktop#1#2{%
3446   \edef\bidics@e{\noexpand\@bidicopy@stacktop
3447     {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
3448   \bidics@e}
3449 \def\@bidicopy@stacktop#1\#2#3\@bidipop{\csname#1\endcsname#2\relax}
3450 \newcount\bidistack@length \newtoks\bidie@empty@stack \bidie@empty@stack{\{\}}
3451 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
3452 \def\bidilength@of@csstack#1{\def\##1{\advance\bidistack@length\@ne}%
3453   \bidistack@length\@m@ne \the#1}
3454 % turn a stack upside down
3455 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
3456   \biditempcountb\z@ \biditemptoksa\bidie@empty@stack
3457   \loop\ifnum\biditempcountb<\bidistack@length
3458     \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\@m@ne
3459     \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
3460 %     \bidic@append@cslist@to@cslist\biditemptoksb\biditemptoksa% append a to b
3461 %     \biditemptoksa\biditemptoksb
3462     \repeat% copy b to a
3463     #1\biditemptoksa \biditemptoksa\bidie@empty@toks}
3464 % invert a stack into a list
3465 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
3466   \biditempcountb\z@ \biditemptoksa\bidie@empty@toks
3467   \loop\ifnum\biditempcountb<\bidistack@length
3468     \bidipop@into{\biditemptoksb}{#1}\advance\bidistack@length\@m@ne
3469     \bidic@append@list@to@list{\biditemptoksb}{\biditemptoksa}\repeat
3470   \csname#1\endcsname\biditemptoksa \biditemptoksa\bidie@empty@toks}
3471
3472
3473 % General loop macro:
3474 % \looprepeat
3475 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3476 %   \untilcondition{<cond>} \whilecondition{<cond>}
3477 %   \doloopbody { <loop body> }
3478 % where all control sequences in between \looprepeat and \doloopbody are optional.
3479 %
3480 % var: characters to form a control sequence;
3481 %   after \forvariable{index} you can access the loop counter as \index.
3482 %   This is a count register; to print it use \number\index.
3483 % start,step,end: integers with obvious relations to the loop counter;
3484 %   start and step have a default value of 1
3485 % cond: (sequence of commands ending in) any TeX \if... test.
3486 %
3487 % Count down instead of up with \downtovalue; the increment given in \bystep
3488 % is always positive, and is added or subtracted accordingly.
3489 %
3490 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3491 % at the beginning of the loop body.

```



```

3492%
3493% Exit from middle of loop: \breaklooprepeat
3494% use this at any place in the loop; in case of a conditional use
3495% \ifsomething ... \expandafter \breaklooprepeat \fi
3496%
3497% Note that the line ends do not cause spaces in the output.
3498%
3499% Technical details:
3500% The loop body is not executed in a group: the braces are those
3501% of a token list.
3502% The 'forvariable' variable is \let to a \count register.
3503
3504
3505
3506% Auxiliary stuff
3507\def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3508\def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
3509\def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth\endcsname}
3510
3511\newcount\bidilooprepeat@depth
3512\let\endlooprepeat\relax \def\bidicsp@ct{}
3513% Trace switches may later be defined by PAC_utils
3514\let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
3515
3516% Main repeatloop macro
3517% - go to next level and allocate unique counter/toks if this is the
3518% first time we visit this level
3519% - setup: gather bounds and termination conditions
3520% - scoop up body in token list; after the assignment define and
3521% execute body
3522\def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
3523 \advance\bidilooprepeat@depth\@ne\relax
3524 \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
3525 \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooprepeat@depth}
3526 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
3527 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
3528 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
3529 \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidilooprepeat@tmp
3530 \edef\bidilooprepeat@tmp
3531 {\def\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}{\bidilooprepeat@body}
3532 \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}}
3533
3534% Define and execute loop body
3535% This is done with an \edef to construct the actual sequence
3536\def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef{\bidilooprepeat@body}{%
3537 \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}}%
3538 \noexpand\the\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@toks}}%
3539 \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@utest}}%
3540 \global\bidilooprepeat@csargromannumeral\advance{\bidilooprepeat@count} by \bidilooprepeat@tmp
3541 \noexpand\endlooprepeat

```



```

3542 \bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}}%
3543 \bidi@looprepeat@csromannumeral\bidi@looprepeat@body}\ignorespaces}
3544
3545 % Stop test
3546 %% In order to stop, issue a
3547 % \breaklooprepeat which scoops up the rest of the body and exits
3548 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral\
3549 \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
3550 }
3551
3552
3553 % Setup
3554 % gather bounds and termination conditions
3555 \def\bidi@looprepeat@setup#1{%
3556 \beginngroup
3557 \def\forvariable##1{%
3558 \edef\bidi@looprepeat@tmp{%
3559 \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral\bidi@l
3560 \bidi@looprepeat@tmp}%
3561 \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global\bidi@looprepeat@count}##1\ign
3562 \def\tovalue##1{%
3563 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loopre
3564 {\bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}}%
3565 \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@count\bidi
3566 \noexpand\expandafter \noexpand\breaklooprepeat
3567 \noexpand\fi}\ignorespaces}%
3568 \bidi@looprepeat@tmp}%
3569 \def\downtovalue##1{%
3570 \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3571 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}\
3572 \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc}{-##1}\else
3573 \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc}{##1}\fi\ignorespaces}%
3574 \def\untilcondition##1{%
3575 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loopre
3576 {\noexpand##1\relax
3577 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3578 \bidi@looprepeat@tmp}%
3579 \def\whilecondition##1{%
3580 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loopre
3581 {\noexpand##1\relax \noexpand\else
3582 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3583 \bidi@looprepeat@tmp}%
3584 \fromvalue{\@ne}\bystep{\@ne}#1%
3585 \endgroup}
3586 \def\bidi@looprepeat@zero
3587 {\bidi@looprepeat@csromannumeral\bidi@looprepeat@toks}{\bidi@looprepeat@csromannumeral\bidi
3588 \bidi@looprepeat@csargromannumeral\def\bidi@looprepeat@body}{}}
3589
3590 %\tracingmacros2
3591 %\newcount\tmpcount % used in some examples below

```



```

3592
3593 %\looprepeat \forvariable{i}
3594 %      \bystep{2}
3595 % \doloopbody {%
3596 %      \ifnum i=13 \expandafter\breaklooprepeat \fi
3597 %      \number{i} } %
3598 %}%
3599
3600 %\looprepeat \forvariable{iii}
3601 %      \tovalue{8}
3602 % \doloopbody {}
3603 %After loop: \number{iii}%
3604
3605 %\looprepeat \forvariable{i}
3606 %      \fromvalue{10}
3607 %      \bystep{2}
3608 %      \downtovalue{0}
3609 % \doloopbody {\number{i} }
3610
3611 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
3612 % \doloopbody {\number{x} }
3613
3614 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
3615
3616 %\looprepeat \forvariable{j}
3617 %      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3618 % \doloopbody {\number{j} }
3619
3620 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3621 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3622 % \doloopbody {(\number{i}.\number{j}) }
3623 % }
3624
3625 % infinite loop
3626 %\looprepeat \doloopbody {}
3627
3628 \CheckCommand{\InputIfFileExists}[2]{%
3629 \IfFileExists{#1}%
3630 {#2\@addtofilelist{#1}\@input \@filef@und}}
3631
3632 \renewcommand{\InputIfFileExists}[2]{%
3633 \begingroup\expandafter\expandafter\expandafter\endgroup
3634 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3635 \expandafter\@secondoftwo
3636 \else
3637 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3638 \expandafter\@firstoftwo
3639 \fi
3640 {%
3641 \expandafter\InputIfFileExists\expandafter{\csname

```



```

3642      #1-@bidi@alias\endcsname}{#2}%
3643    }%
3644    {\IfFileExists{#1}{%
3645      \bidi@load@hook{before}{#1}%
3646      #2\@addtofilelist{#1}%
3647      \@input \@filef@und
3648      \bidi@load@hook{after}{#1}%
3649    }}%
3650 }
3651
3652 \newcommand*{\bidi@@loadwithoptions}{%
3653 \newcommand*{\bidi@loadwithoptions}{%
3654 \let\bidi@loadwithoptions\@loadwithoptions
3655
3656 \renewcommand*{\@loadwithoptions}[3]{%
3657   \begingroup\expandafter\expandafter\expandafter\endgroup
3658   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3659     \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3660   \else
3661     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3662     \def\bidi@@loadwithoptions{%
3663       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3664     }%
3665   \fi
3666   \bidi@@loadwithoptions
3667 }
3668
3669 \newcommand*{\bidi@onefilewithoptions}{%
3670 \let\bidi@onefilewithoptions\@onefilewithoptions
3671 \def\bidi@onefilewithoptions#1[#2][#3]#4{%
3672   \begingroup\expandafter\expandafter\expandafter\endgroup
3673   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3674     \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3675   \else
3676     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3677     \edef\bidi@@onefilewithoptions{%
3678       \noexpand\bidi@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3679   \fi
3680   \bidi@@onefilewithoptions[{#2}][{#3}]{#4}%
3681   \bidi@load@hook{lateafter}{#1.#4}%
3682 }
3683
3684 \newcommand*{\bidi@ReplaceInput}[2]{%
3685   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3686 }
3687
3688 \newcommand*{\bidi@UnReplaceInput}[1]{%
3689   \ifcsname #1-@bidi@alias\endcsname
3690     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3691   \fi

```



```

3692 }
3693
3694 \newcommand*{\@bidi@replacefilewithtext}[3]{%
3695   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3696 }
3697 \newcommand*{\bidi@ReplacePackage}[2]{%
3698   \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
3699 }
3700 \newcommand*{\bidi@ReplaceClass}[2]{%
3701   \@bidi@replacefilewithtext{#1}{#2}\@clsextension
3702 }
3703 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
3704   \ifcsname #1.#2-@bidi@aliasname\endcsname
3705     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3706   \fi
3707 }
3708 \newcommand*{\bidi@UnReplacePackage}[1]{%
3709   \@bidi@unreplacefilewithtext{#1}\@pkgextension
3710 }
3711 \newcommand*{\bidi@UnReplaceClass}[1]{%
3712   \@bidi@unreplacefilewithtext{#1}\@clsextension
3713 }
3714 \newcommand*{\bidi@replacefile@msg}[2]{%
3715   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3716 }
3717
3718 \newcommand*{\bidi@load@hook}[2]{%
3719   \@ifundefined{#2-@#1}{}%
3720   \@nameuse{#2-@#1}%
3721   \expandafter\let\csname #2-@#1\endcsname=\relax}}
3722 \newcommand*{\bidi@set@load@hook}[2]{%
3723   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}%
3724   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3725 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3726 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3727 \newcommand*{\bidi@BeforeClass}[1]{%
3728   \bidi@set@load@hook{before}{#1.\@clsextension}}
3729 \newcommand*{\bidi@AfterClass}{%
3730   \@ifstar {\@s@bidi@AfterClass}{%
3731     \@ifnextchar +\@@bidi@AfterClass{%
3732       \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3733     }%
3734   }%
3735 }
3736
3737 \newcommand*{\@@@bidi@AfterClass}[2]{%
3738   \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3739     \aftergroup\@s@bidi@AfterClass
3740   \else
3741     \aftergroup\bidi@AfterAtEndOfClass

```




```

3742 \fi
3743 \endgroup{#2}%
3744 }
3745
3746 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3747 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3748 \newcommand*{\@bidi@AfterClass}[2]{%
3749 \begingroup
3750 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3751 \aftergroup\@s@bidi@AfterClass
3752 \else
3753 \aftergroup\bidi@AfterClass
3754 \fi
3755 \endgroup{#2}%
3756 }
3757
3758 \newcommand*{\@bidi@AfterClass}[1]{%
3759 \bidi@set@load@hook{after}{#1.\@clsextension}}
3760 \newcommand*{\@s@bidi@AfterClass}[1]{%
3761 \begingroup
3762 \@ifclassloaded{#1}{%
3763 \aftergroup\@secondoftwo
3764 }{%
3765 \aftergroup\bidi@AfterClass
3766 }%
3767 \endgroup
3768 {#1}%
3769 }
3770
3771
3772 \newcommand*{\bidi@BeforePackage}[1]{%
3773 \bidi@set@load@hook{before}{#1.\@pkgextension}}
3774 \newcommand*{\bidi@AfterPackage}{%
3775 \@ifstar {\@s@bidi@AfterPackage}{%
3776 \@ifnextchar +\@bidi@AfterPackage{%
3777 \@ifnextchar !\@@bidi@AfterPackage\bidi@AfterPackage
3778 }%
3779 }%
3780 }
3781 \newcommand*{\@@bidi@AfterPackage}[2]{%
3782 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3783 \aftergroup\@s@bidi@AfterPackage
3784 \else
3785 \aftergroup\bidi@AfterAtEndOfPackage
3786 \fi
3787 \endgroup{#2}%
3788 }
3789 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
3790 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3791 \newcommand*{\@bidi@AfterPackage}[2]{%

```



```

3792 \begingroup
3793 \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3794 \aftergroup\@s@bidi@AfterPackage
3795 \else
3796 \aftergroup\@bidi@AfterPackage
3797 \fi
3798 \endgroup{#2}%
3799 }
3800 \newcommand*{\@bidi@AfterPackage}[1]{%
3801 \bidi@set@load@hook{after}{#1.\@pkgextension}}
3802 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3803 \begingroup
3804 \ifpackageloaded{#1}{%
3805 \aftergroup\@secondoftwo
3806 }{%
3807 \aftergroup\@bidi@AfterPackage
3808 }%
3809 \endgroup
3810 {#1}%
3811 }
3812
3813 \newcommand*{\bidi@excludedpackages}{}
3814 \let\bidi@excludedpackages\@empty
3815 \newcommand*{\bidi@saved@RequirePackage}{}
3816 \newcommand*{\bidi@PreventPackageFromLoading}{%
3817 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3818 {\@bidi@PreventPackageFromLoading\PackageWarning}%
3819 }
3820 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3821 \@ifnextchar [%]
3822 {\@@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
3823 }
3824 \newcommand*{\@@bidi@PreventPackageFromLoading}{}
3825
3826 \def\@@bidi@PreventPackageFromLoading#1[#2]#3{%
3827 \edef\reserved@b{\zap@space#3 \@empty}%
3828 \ifx \reserved@b\@empty
3829 #1{biditytools}{%
3830 \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3831 argument ignored%
3832 }%
3833 \else
3834 \ifx\bidi@excludedpackages\@empty
3835 \let\bidi@saved@RequirePackage\RequirePackage
3836 \let\RequirePackage\bidi@RequirePackage
3837 \def\reserved@a##1##{%
3838 \@latex@error
3839 {\noexpand \usepackage before \string\documentclass}%
3840 {\noexpand \usepackage may only appear in the document
3841 preamble, i.e.,\MessageBreak

```



```

3842         between \noexpand\documentclass and
3843         \string\begin{document}.}%
3844     \@gobble}%
3845 \ifx\reserved@a\usepackage\else
3846     \ifx\usepackage\bidi@saved@RequirePackage\else
3847         \PackageWarning{biditools}{%
3848             Maybe serious problem: unexpected definition of\MessageBreak
3849             \string\usepackage
3850         }%
3851     \fi
3852     \let\usepackage\RequirePackage
3853 \fi
3854 \fi
3855 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3856 \reserved@b\do {%
3857     \ifx\reserved@a@empty
3858         #1{biditools}{%
3859             empty package argument for
3860             \string\bidi@PreventPackageFromLoading\MessageBreak
3861             ignored%
3862         }%
3863     \else
3864         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3865             #1{biditools}{%
3866                 package `\'reserved@a' already loaded.\MessageBreak
3867                 Cannot prevent it from being loaded%
3868             }%
3869         }{%
3870             \edef\bidi@excludedpackages{\bidi@excludedpackages,%
3871                 \reserved@a}%
3872             \if\relax\detokenize{#2}\relax\else
3873                 \@ifundefined{bidi@exclude@package@\reserved@a @do}{%
3874                     \@namedef{bidi@exclude@package@\reserved@a @do}{%
3875                         }{%
3876                             \expandafter\def
3877                             \csname bidi@exclude@package@\reserved@a
3878                                 @do\expandafter\expandafter\expandafter\endcsname
3879                             \expandafter\expandafter\expandafter{%
3880                                 \csname bidi@exclude@package@\reserved@a @do\endcsname
3881                                 #2%
3882                             }%
3883                         \fi
3884                     }%
3885                 \fi
3886             }%
3887             \ifx\bidi@excludedpackages@empty
3888                 \bidi@ResetPreventPackageFromLoading
3889             \fi
3890         \fi
3891 }

```



```

3892
3893 \@onlypreamble\@bidi@PreventPackageFromLoading
3894 \newcommand*{\@bidi@ResetPreventPackageFromLoading}{%
3895   \let\@bidi@excludedpackages\@empty
3896   \ifx\RequirePackage\@bidi@RequirePackage
3897     \ifx\usepackage\RequirePackage
3898       \let\usepackage\@bidi@saved@RequirePackage
3899     \fi
3900   \let\RequirePackage\@bidi@saved@RequirePackage
3901 \fi
3902 }
3903 \@onlypreamble\@bidi@ResetPreventPackageFromLoading
3904 \newcommand*{\@bidi@StorePreventPackageFromLoading}[1]{%
3905   \let#1\@bidi@excludedpackages
3906 }
3907 \@onlypreamble\@bidi@StorePreventPackageFromLoading
3908 \newcommand*{\@bidi@UnPreventPackageFromLoading}{%
3909   \@ifstar {\@tempswatrue\@bidi@UnPreventPackageFromLoading}%
3910             {\@tempswafalse\@bidi@UnPreventPackageFromLoading}%
3911 }
3912
3913 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
3914   \edef\reserved@a{\zap@space#1 \@empty}%
3915   \if@tempswa
3916     \@for\reserved@a:=\reserved@a\do {%
3917       \ifx\reserved@a\@empty \else
3918         \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3919           \expandafter\let
3920           \csname bidi@exclude@package@\reserved@a @do\endcsname
3921           \undefined
3922         \fi
3923       \fi
3924     }%
3925   \fi
3926   \ifcsname bidi@excludedpackages\endcsname
3927     \let\reserved@a\@bidi@excludedpackages
3928     \let\@bidi@excludedpackages\@empty
3929     \expandafter\@for\expandafter\reserved@a
3930     \expandafter:\expandafter=\reserved@a
3931     \do{%
3932       \ifx\reserved@a\@empty\else
3933         \@expandtwoargs\in@{\reserved@a}{\reserved@a}%
3934         \ifin@
3935           \else
3936             \edef\@bidi@excludedpackages{%
3937               \bidi@excludedpackages,\reserved@a
3938             }%
3939           \fi
3940         \fi
3941       }%

```



```

3942 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
3943 \fi
3944 }
3945
3946
3947 \newcommand*{\bidix@RequirePackage}[2] [] {%
3948 \let\reserved@c\@empty
3949 \let\reserved@d\@empty
3950 \edef\reserved@b{\zap@space#2 \@empty}%
3951 \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3952 \do {%
3953 \begingroup
3954 \@tempswatrue
3955 \@for\reserved@a:=\bidix@excludedpackages\do {%
3956 \ifx\reserved@a\reserved@b
3957 \@tempswafalse
3958 \fi
3959 }%
3960 \if@tempswa
3961 \xdef\reserved@c{\reserved@c,\reserved@b}%
3962 \else
3963 \ifx\reserved@b\@empty\else
3964 \PackageInfo{biditools}{Excluding package '\reserved@b'\MessageBreak
3965 from loading}%
3966 \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
3967 }{%
3968 \expandafter\g@addto@macro\expandafter\reserved@d
3969 \csname bidix@exclude@package@\reserved@b @do\endcsname
3970 }%
3971 \fi
3972 \fi
3973 \endgroup
3974 }%
3975 \ifx\reserved@c\@empty
3976 \let\reserved@a\bidix@gobbleopt
3977 \else
3978 \edef\reserved@a{\noexpand\bidix@saved@RequirePackage[#1]{%
3979 \expandafter\@gobble\reserved@c\@empty}}%
3980 \fi
3981 \expandafter\reserved@d
3982 \reserved@a
3983 }
3984
3985 \newcommand{\bidix@gobbleopt}[1] [] {}
3986 \AtEndDocument{%
3987 \let\bidix@saved@checkend=\@checkend
3988 \renewcommand*{\@checkend}[1] {%
3989 \def\reserved@a{#1}\def\reserved@b{document}%
3990 \bidix@saved@checkend{#1}%
3991 \ifx\reserved@a\reserved@b

```



```

3992 \let\bidisaved@clearpage=\clearpage
3993 \renewcommand*{\clearpage}{\bidisaved@clearpage
3994 \bidihook@bcma
3995 \bidirestore@newpage
3996 \let\clearpage=\bidisaved@clearpage}%
3997 \fi%
3998 \let\bidisaved@dofilelist\@dofilelist
3999 \def\@dofilelist{%
4000 \bidihook@acma
4001 \let\@dofilelist\bidisaved@dofilelist
4002 \bidisaved@dofilelist
4003 }%
4004 }%
4005 }
4006
4007
4008 \newcommand*{\bidisaved@checkend}{%
4009 \newcommand*{\bidisaved@dofilelist}{%
4010 \newcommand*{\bidiredefine@newpage}{%
4011 \let\bidisaved@newpage\newpage
4012 \def\bidirestore@newpage{%
4013 \renewcommand*{\newpage}{%
4014 \PackageWarningNoLine{%
4015 biditools%
4016 }{%
4017 \string\newpage\space at main aux file!\MessageBreak
4018 You have output material at the main aux file.\MessageBreak
4019 Note, that the \string\bidibeforeclosingmainaux\space commands\MessageBreak
4020 are processed before the output from aux file%
4021 }%
4022 \let\newpage\bidisaved@newpage
4023 \newpage
4024 }%
4025 }%
4026 \renewcommand*{\newpage}{%
4027 \PackageError{%
4028 biditools%
4029 }{%
4030 \string\newpage\space at \string\bidibeforeclosingmainaux
4031 }{%
4032 You should never use \string\newpage\space or
4033 \string\clear(double)page or other output material at the\MessageBreak
4034 argument of \string\bidibeforeclosingmainaux!\MessageBreak
4035 If you'll continue, the \string\newpage\space will be ignored to
4036 avoid corruption of\MessageBreak
4037 every prior use of \string\bidibeforeclosingmainaux.
4038 }%
4039 }%
4040 }
4041

```



```

4042 \newcommand*{\bidi@restore@newpage}{}
4043 \newcommand*{\bidi@hook@bcma}{}
4044 \newcommand*{\bidi@hook@acma}{}
4045 \newcommand*{\bidi@BeforeClosingMainAux}{%
4046   \ifx\bidi@hook@bcma\@empty
4047     \gdef\bidi@hook@bcma{%
4048       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{####1}%
4049       \let\protected@write\bidi@protected@immediate@write
4050       \bidi@redefine@newpage
4051     }%
4052   \fi
4053   \g@addto@macro\bidi@hook@bcma%
4054 }
4055
4056 \newcommand*{\bidi@AfterReadingMainAux}{%
4057   \ifx\bidi@hook@acma\@empty
4058     \gdef\bidi@hook@acma{%
4059       \renewcommand*{\bidi@AfterReadingMainAux}[1]{####1}%
4060       \let\protected@write\bidi@protected@immediate@write
4061     }%
4062   \fi
4063   \g@addto@macro\bidi@hook@acma%
4064 }
4065
4066 \long\def\bidi@protected@immediate@write#1#2#3{%
4067   \begingroup
4068     #2%
4069     \let\protect\@unexpandable@protect
4070     \edef\reserved@a{\immediate\write#1{#3}}%
4071     \reserved@a
4072   \endgroup
4073   \if@nobreak\ifvmode\nobreak\fi\fi
4074 }
4075
4076 \def\bidi@patch@counter{0}%
4077 \if@bidi@csundef{numexpr}{%
4078   \def\bidi@patch@stepcounter{%
4079     \begingroup
4080       \count@\bidi@patch@counter\relax
4081       \advance\count@\@ne\relax
4082     \edef\x{\endgroup
4083       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
4084     }%
4085     \x
4086   }%
4087 }{%
4088   \def\bidi@patch@stepcounter{%
4089     \edef\bidi@patch@counter{%
4090       \the\numexpr\bidi@patch@counter+\@ne\relax
4091     }%

```



```

4092 }%
4093 }
4094 \def\bidipatch@list{}
4095 \def\bidipatch@Add{%
4096   \bidipatch@list
4097 }
4098 \def\bidipatch@AfterPackage#1{%
4099   \@ifpackageloaded{#1}{%
4100     \@firstofone
4101   }{%
4102     \@bidipatch@AfterPackage{#1}%
4103   }%
4104 }
4105 \def\@bidipatch@AfterPackage#1{%
4106   \edef\bidipatch@temp{#1}%
4107   \bidipatch@stepcounter
4108   \expandafter\bidipatch@@AfterPackage
4109   \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4110     \bidipatch@temp
4111   }%
4112 }
4113 \def\bidipatch@@AfterPackage#1#2#3{%
4114   \begingroup
4115     \toks@{#3}%
4116     \xdef\bidipatch@gtemp{%
4117       \noexpand\@ifpackageloaded{#2}{%
4118         \noexpand\let\noexpand#1\noexpand\relax
4119         \the\toks@
4120       }{}%
4121     }%
4122   \endgroup
4123   \let#1\bidipatch@gtemp
4124   \bidipatch@Add#1%
4125   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4126 }
4127
4128 \def\bidipatch@try#1#2#3{%
4129   \if@bidicsundef{#1}{-}{%
4130     \csname #1\endcsname{#2}{#3}%
4131   }%
4132 }
4133
4134 \AtBeginDocument{\bidipatch@list}
4135
4136 \bidipatch@AtEndPreamble{\bidipatch@list}%
4137
4138 \bidipatch@AfterEndPreamble{%
4139   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
4140   \let\bidipatch@OrgIfPackageLater\@ifpackagelater
4141   \let\bidipatch@OrgIfClassLoaded\@ifclassloaded

```




```

4142 \let\ bidi@patch@OrgIfClassLater\@ifclasslater
4143 \bidi@patch@list
4144 \let\@ifpackageloaded\ bidi@patch@OrgIfPackageLoaded
4145 \let\@ifpackagelater\ bidi@patch@OrgIfPackageLater
4146 \let\@ifclassloaded\ bidi@patch@OrgIfClassLoaded
4147 \let\@ifclasslater\ bidi@patch@OrgIfClassLater
4148 }%

```

21 File bidentuftefloat.sty

```

4149 \NeedsTeXFormat{LaTeX2e}
4150 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
4151 bidi implementation of tufte float]
4152 \RequirePackage{xifthen}
4153 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
4154 \newcommand{\@bidentuftefloat@Error}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
4155 \newcommand{\@bidentuftefloat@DebugInfoNL}[1]{\ifthenelse{\boolean{\@bidentuftefloat@debug}}{\@bidentuftefloat@DebugInfoNL}{}}
4156 \newcommand{\@bidentuftefloat@InfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
4157 \newboolean{\@bidentuftefloat@reversegeometry}
4158 \setboolean{\@bidentuftefloat@reversegeometry}{false}
4159 \DeclareOption{reversegeometry}{\setboolean{\@bidentuftefloat@reversegeometry}{true}}
4160 \newboolean{\@bidentuftefloat@a4paper}
4161 \DeclareOption{a4paper}{\setboolean{\@bidentuftefloat@a4paper}{true}}
4162 \newboolean{\@bidentuftefloat@b5paper}
4163 \DeclareOption{b5paper}{\setboolean{\@bidentuftefloat@b5paper}{true}}
4164 \newboolean{\@bidentuftefloat@symmetric}
4165 \newboolean{\@bidentuftefloat@twoside}
4166 \DeclareOption{twoside}{%
4167 \@twoside true \mparswitch true%
4168 \setboolean{\@bidentuftefloat@twoside}{true}%
4169 \setboolean{\@bidentuftefloat@symmetric}{true}%
4170 }
4171 \DeclareOption{oneside}{%
4172 \@twoside false \mparswitch false%
4173 \setboolean{\@bidentuftefloat@twoside}{false}%
4174 \setboolean{\@bidentuftefloat@symmetric}{false}%
4175 }
4176 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4177 \newboolean{\@bidentuftefloat@debug}
4178 \newcommand*{\@bidentuftefloat@caption@justification}{\@bidentuftefloat@justification@autodetect}
4179 \ProcessOptions
4180 %% Globally sets the length
4181 \newcommand*{\gsetlength}[2]{%
4182 \setlength{#1}{#2}%
4183 \global#1=#1\relax%
4184 }
4185
4186 %% Set the font sizes and baselines to match bidentuftefloat's books
4187 \renewcommand\normalsize{%
4188 \setfontsize\normalsize\@xpt{14}%

```



```

4189 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4190 \abovedisplayshortskip \z@ \@plus3\p@
4191 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4192 \belowdisplayskip \abovedisplayskip
4193 \let\@listi\@listI}
4194 \normalbaselineskip=14pt
4195 \normalsize
4196 \renewcommand\footnotesize{%
4197 \setfontsize\footnotesize\@viipt{10}%
4198 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4199 \abovedisplayshortskip \z@ \@plus\p@
4200 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4201 \def\@listi{\leftmargin\leftmarginI
4202 \topsep 3\p@ \@plus\p@ \@minus\p@
4203 \parsep 2\p@ \@plus\p@ \@minus\p@
4204 \itemsep \parsep}%
4205 \belowdisplayskip \abovedisplayskip
4206 }
4207 %% Paragraph indentation and separation for marginal text
4208 \newcommand{\@bittuftefloat@margin@par}{%
4209 \setlength{\RaggedRightParindent}{0.5pc}%
4210 \setlength{\JustifyingParindent}{0.5pc}%
4211 \setlength{\parindent}{0.5pc}%
4212 \setlength{\parskip}{0pt}%
4213 }
4214 \RequirePackage{ragged2e}
4215 \ifthenelse{\boolean{@bittuftefloat@reversegeometry}}{%
4216 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0.5in]{geometry}
4217 \ifthenelse{\boolean{@bittuftefloat@afourpaper}}
4218 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0.5in}}
4219 {}
4220 \ifthenelse{\boolean{@bittuftefloat@bfivepaper}}
4221 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0.5in}}
4222 {}}%
4223 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0.5in]{geometry}
4224 \ifthenelse{\boolean{@bittuftefloat@afourpaper}}
4225 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0.5in}}
4226 {}
4227 \ifthenelse{\boolean{@bittuftefloat@bfivepaper}}
4228 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0.5in}}
4229 {}
4230 \ifthenelse{\boolean{@bittuftefloat@symmetric}}
4231 {}
4232 {\geometry{asymmetric}}% forces internal LaTeX `twoside'
4233 \setlength\marginparpush{10pt}
4234 %% Font for margin items
4235 \newcommand{\@bittuftefloat@marginfont}{\normalfont\footnotesize}
4236 \newcommand*{\@bittuftefloat@caption@font}{\@bittuftefloat@marginfont}
4237 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bittuftefloat@caption@font}{#1}}
4238 \newcommand{\@bittuftefloat@justification}{\justifying}%

```



```

4239 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4240 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4241 \newboolean{@bidituftefloat@changepage}
4242 \IfFileExists{changepage.sty}{%
4243   \bidituftefloatDebugInfoNL{Found changepage.sty}
4244   \RequirePackage[strict]{changepage}
4245   \setboolean{@bidituftefloat@changepage}{true}
4246 }{%
4247   \bidituftefloatDebugInfoNL{Found chngpage.sty}
4248   \RequirePackage[strict]{chngpage}
4249   \setboolean{@bidituftefloat@changepage}{false}
4250 }
4251 \newboolean{@bidituftefloat@odd@page}
4252 \setboolean{@bidituftefloat@odd@page}{true}
4253 \newcommand*{\@bidituftefloat@checkoddpage}{%
4254   \checkoddpage%
4255   \ifthenelse{\boolean{@bidituftefloat@changepage}}{%
4256     \ifoddpage%
4257       \setboolean{@bidituftefloat@odd@page}{true}%
4258     \else%
4259       \setboolean{@bidituftefloat@odd@page}{false}%
4260     \fi%
4261   }{%
4262     \ifcpoddpage%
4263       \setboolean{@bidituftefloat@odd@page}{true}%
4264     \else%
4265       \setboolean{@bidituftefloat@odd@page}{false}%
4266     \fi%
4267   }%
4268 }
4269 \newlength{\@bidituftefloat@overhang}% used by the fullwidth environment and the running heads
4270 \newlength{\@bidituftefloat@fullwidth}
4271 \newlength{\@bidituftefloat@caption@fill}
4272 \newcommand{\@bidituftefloatRecalculate}{%
4273   \setlength{\@bidituftefloat@overhang}{\marginparwidth}
4274   \addtolength{\@bidituftefloat@overhang}{\marginparsep}
4275
4276   \setlength{\@bidituftefloat@fullwidth}{\textwidth}
4277   \addtolength{\@bidituftefloat@fullwidth}{\marginparsep}
4278   \addtolength{\@bidituftefloat@fullwidth}{\marginparwidth}
4279
4280   \setlength{\@bidituftefloat@caption@fill}{\textwidth}
4281   \addtolength{\@bidituftefloat@caption@fill}{\marginparsep}
4282 }
4283 \AtBeginDocument{\@bidituftefloatRecalculate}
4284 \RequirePackage{optparams}% provides multiple optional arguments for commands
4285 \RequirePackage{placeins}
4286 \newsavebox{\@bidituftefloat@margin@floatbox}
4287 \newenvironment{@bidituftefloat@margin@float}[2][1.2ex]{
4288   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in or

```



```

4289 \begin{lrbox}{\@bittuftefloat@margin@floatbox}%
4290 \begin{minipage}{\marginparwidth}%
4291   \@bittuftefloat@caption@font%
4292   \def\@capttype{#2}%
4293   \hbox{\vspace*{#1}%
4294     \@bittuftefloat@caption@justification%
4295     \@bittuftefloat@margin@par%
4296     \noindent%
4297   }
4298 {\end{minipage}%
4299 \end{lrbox}%
4300 \marginpar{\usebox{\@bittuftefloat@margin@floatbox}}%
4301 }
4302 \newenvironment{marginfigure}[1][1.2ex]{
4303   {\begin{\@bittuftefloat@margin@float}[#1]{figure}}
4304   {\end{\@bittuftefloat@margin@float}}
4305 \newenvironment{margintable}[1][1.2ex]{
4306   {\begin{\@bittuftefloat@margin@float}[#1]{table}}
4307   {\end{\@bittuftefloat@margin@float}}
4308 \newcommand*{\@bittuftefloat@justification@autodetect}{\justifying}%
4309
4310 \newcommand{\@bittuftefloat@float@debug@info}{}% contains debug info generated as the float
4311 \newcommand{\@bittuftefloat@float@debug}[1]{% adds debug info to the queue for output
4312   \ifthenelse{\equal{\@bittuftefloat@float@debug@info}{}}{
4313     {\def\@bittuftefloat@float@debug@info{#1}}%
4314     {\g@addto@macro\@bittuftefloat@float@debug@info{\MessageBreak#1}}%
4315   }
4316 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4317 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bittuftefloat@float@debug{
4318 \newboolean{\@bittuftefloat@float@recto}
4319 \newcommand{\forcerectofloat}{\GlobalSetBoolean{\@bittuftefloat@float@recto}{true}\@bittuftefloat@float@debug{
4320 \newcommand{\forceversofloat}{\GlobalSetBoolean{\@bittuftefloat@float@recto}{false}\@bittuftefloat@float@debug{
4321 \newsavebox{\@bittuftefloat@figure@box}
4322 \newsavebox{\@bittuftefloat@caption@box}
4323 \let\@bittuftefloat@orig@float\@float
4324 \let\@bittuftefloat@orig@endfloat\endfloat
4325 \newlength{\@bittuftefloat@caption@vertical@offset}
4326 \setlength{\@bittuftefloat@caption@vertical@offset}{0pt}
4327 \newcommand{\@bittuftefloat@stored@shortcaption}{}
4328 \newcommand{\@bittuftefloat@stored@caption}{}
4329 \newcommand{\@bittuftefloat@stored@label}{}
4330 \long\def\@bittuftefloat@caption[#1][#2]#3{%
4331   \ifthenelse{\isempty{#1}}{
4332     {\gdef\@bittuftefloat@stored@shortcaption{#3}}%
4333     {\gdef\@bittuftefloat@stored@caption{#1}}%
4334   \gsetlength{\@bittuftefloat@caption@vertical@offset}{-#2}% we want a positive offset to low
4335   \gdef\@bittuftefloat@stored@caption{#3}%
4336 }
4337 \newcommand{\@bittuftefloat@label}[1]{%
4338   \gdef\@bittuftefloat@stored@label{#1}%

```



```

4339 }
4340 \newcommand{\@biditytfloat@fps}{%
4341 \newboolean{@biditytfloat@float@star}
4342 \newlength{\@biditytfloat@float@contents@width}
4343 \newenvironment{@biditytfloat@float}[3][htbp]%
4344 {% begin @biditytfloat@float
4345 % Should this float be full-width or just text-width?
4346 \ifthenelse{equal{#3}{star}}{%
4347   {\GlobalSetBoolean{@biditytfloat@float@star}{true}}%
4348   {\GlobalSetBoolean{@biditytfloat@float@star}{false}}%
4349 % Check page side (recto/verso) and store detected value -- can be overridden in environment
4350 \@biditytfloat@checkoddpages%
4351 \ifthenelse{boolean{@biditytfloat@odd@page}}{%
4352   {\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Detect}}
4353   {\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Detect}}
4354 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4355 \renewcommand{\@biditytfloat@fps}{#1}%
4356 \@biditytfloat@float@debug{Allowed positions: [#1]}%
4357 \ifthenelse{equal{#1}{b}\OR equal{#1}{B}}{%
4358   {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bottom]}}
4359   {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top]}}
4360 % Capture the contents of the \caption and \label commands to use later
4361 \global\let\@biditytfloat@orig@caption\caption%
4362 \global\let\@biditytfloat@orig@label\label%
4363 \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [Opt]}}%
4364 \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4365 % Handle subfigure package compatibility
4366 \ifthenelse{boolean{@biditytfloat@packages@subfigure}}{%
4367   \bidi@patchcmd{\subfigure}{%
4368     \let\subfig@oldlabel=\label
4369   }{%
4370     \let\subfig@oldlabel=\@biditytfloat@orig@label
4371   }
4372   {}
4373   {}
4374   \let\subtable=\subfigure
4375 }{% subfigure package is not loaded
4376 \@biditytfloat@orig@float{#2}[#1}%
4377 \ifthenelse{boolean{@biditytfloat@float@star}}{%
4378   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4379   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4380 \begin{lrbox}{\@biditytfloat@figure@box}%
4381 \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4382 }{% end @biditytfloat@float
4383 \par\hbox}{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}}{% align
4384 \end{minipage}%
4385 \end{lrbox}%
4386 % build the caption box
4387 \begin{lrbox}{\@biditytfloat@caption@box}%
4388 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%

```



```

4389     \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}}{\@biditytfloat@orig@capt
4390     \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}}{\@biditytfloat@orig@label{
4391     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4392     \end{minipage}%
4393     \end{lrbox}%
4394     % now typeset the stored boxes
4395     \begin{fullwidth}%
4396     \begin{minipage}[\floatalignment]{\linewidth}%
4397     \ifthenelse{\boolean{@biditytfloat@float@star}}%
4398     {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4399     {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4400     \end{minipage}%
4401     \end{fullwidth}%
4402     \@biditytfloat@orig@endfloat% end original LaTeX float environment
4403     % output debug info
4404     \ifthenelse{\boolean{@biditytfloat@debug}}{%
4405     \typeout{^^J^^J----- biditytfloat package float information -----}%
4406     \ifthenelse{\equal{\@biditytfloat@stored@label}}{%
4407     {\typeout{Warning: Float unlabeled!}}%
4408     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4409     \typeout{Page number: [\thepage]}%
4410     \def\MessageBreak{^^J}%
4411     \typeout{\@biditytfloat@float@debug@info}%
4412     \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4413     {\typeout{Symmetric: [true]}}%
4414     {\typeout{Symmetric: [false]}}%
4415     \typeout{-----^^J^^J}%
4416     }{}%
4417     % reset commands and temp boxes and captions
4418     \gdef\@biditytfloat@float@debug@info{%
4419     \let\caption\@biditytfloat@orig@caption%
4420     \let\label\@biditytfloat@orig@label%
4421     \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4422     \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4423     \gdef\@biditytfloat@stored@shortcaption{%
4424     \gdef\@biditytfloat@stored@caption{%
4425     \gdef\@biditytfloat@stored@label{%
4426     \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4427     }
4428     \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
4429     \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}{
4430     % asymmetric or page is odd, so caption is on the right
4431     \hbox{%
4432     \usebox{#2}%
4433     \hspace{\marginparsep}%
4434     \smash{\raisebox{#1}{\usebox{#3}}}%
4435     }
4436     \@biditytfloat@float@debug{Caption position: [right]}%
4437     }{% symmetric pages and page is even, so caption is on the left
4438     \hbox{%

```



```

4439     \smash{\raisebox{#1}{\usebox{#3}}}%
4440     \hspace{\marginparsep}%
4441     \usebox{#2}%
4442   }
4443   \@bituftefloat@float@debug{Caption position: [left]}%
4444 }%
4445 }
4446 \newcommand{\@bituftefloat@float@fullwidth}[3][Opt]{%
4447   \ifthenelse{\equal{\floatalignment}{b}}{%
4448     {% place caption above figure
4449       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@re
4450         {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bituftefloat@float@debug{
4451         {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bituftefloat@float@debug{
4452     }{% place caption below figure
4453       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@re
4454         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bituftefloat@float@debug{
4455         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debug{
4456     }%
4457 }
4458 \renewenvironment{figure}[1][htbp]{%
4459   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
4460   {\end{@bituftefloat@float}}
4461 \renewenvironment{table}[1][htbp]{%
4462   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
4463   {\end{@bituftefloat@float}}
4464 \renewenvironment{figure*}[1][htbp]{%
4465   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
4466   {\end{@bituftefloat@float}}
4467 \renewenvironment{table*}[1][htbp]{%
4468   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
4469   {\end{@bituftefloat@float}}
4470 \newenvironment{fullwidth}{%
4471   {\ifthenelse{\boolean{@bituftefloat@symmetric}}{%
4472     {\ifthenelse{\boolean{@bituftefloat@changepage}}{\begin{adjustwidth*}}{-\@bituftefl
4473     {\begin{adjustwidth}}{-\@bituftefloat@overhang}}%
4474   }%
4475   {\ifthenelse{\boolean{@bituftefloat@symmetric}}{%
4476     {\ifthenelse{\boolean{@bituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}}
4477     {\end{adjustwidth}}}%
4478   }
4479 \long\def\@caption#1[#2]#3{%
4480   \par%
4481   \addcontentsline{csname ext@#1\endcsname}{#1}%
4482   {\protect\numberline{csname the#1\endcsname}{\ignorespaces #2}}%
4483   \begingroup%
4484     \@parboxrestore%
4485     \if@minipage%
4486       \setminipage%
4487     \fi%
4488     \@bituftefloat@caption@font\@bituftefloat@caption@justification%

```



```

4489 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4490 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4491 \endgroup}
4492 %%
4493 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4494 \DeclareRobustCommand{\@biditytfeheading@newlinetospace}{%
4495 \@ifstar{\@biditytfeheading@newlinetospace@i}{\@biditytfeheading@newlinetospace@i}%
4496 }
4497 \def\@biditytfeheading@newlinetospace@i{%
4498 \ifdim\lastskip>\z@\else\space\fi
4499 \ignorespaces%
4500 }
4501 \DeclareRobustCommand{\newlinetospace}[1]{%
4502 \let\@biditytfeheading@orig@cr\% save the original meaning of \
4503 \def\{\@biditytfeheading@newlinetospace}% turn \ and \* into \space
4504 \let\newline\% turn \newline into \space
4505 #1%
4506 \let\{\@biditytfeheading@orig@cr% revert to original meaning of \
4507 }
4508 \RequirePackage{fancyhdr}
4509 \pagestyle{fancy}
4510 \AtBeginDocument{%
4511 \ifthenelse{\boolean{@biditytfefloat@symmetric}}
4512 {\fancyhfoffset[LE,RO]{\@biditytfefloat@overhang}}
4513 {\fancyhfoffset[RE,RO]{\@biditytfefloat@overhang}}
4514 }
4515 % The running heads/feet don't have rules
4516 \renewcommand{\headrulewidth}{0pt}
4517 \renewcommand{\footrulewidth}{0pt}
4518 % The 'fancy' page style is the default style for all pages.
4519 \fancyhf{} % clear header and footer fields
4520 \ifthenelse{\boolean{@biditytfefloat@symmetric}}
4521 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4522 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}%
4523 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4524 % The 'plain' page style is used on chapter opening pages.
4525 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4526 % bottom of pages -- the folios are unexpressed.
4527 \fancypagestyle{plain}{
4528 \fancyhf{} % clear header and footer fields
4529 % Uncomment the following five lines of code if you want the opening page
4530 % of the chapter to express the folio in the lower outside corner.
4531 % \ifthenelse{\boolean{@biditytfefloat@symmetric}}
4532 % {\fancyfoot[LE,RO]{\thepage}}
4533 % {\fancyfoot[RE,RO]{\thepage}}
4534 }
4535 % The 'empty' page style suppresses all headers and footers.
4536 % It's used on title pages and 'intentionally blank' pages.
4537 \fancypagestyle{empty}{
4538 \fancyhf{} % clear header and footer fields

```




```

4539 }
4540 \def\morefloats{% provides a total of 52 floats
4541 \ifthenelse{\isundefined{\bx@S}}{%
4542 \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4543 \newinsert\bx@S
4544 \newinsert\bx@T
4545 \newinsert\bx@U
4546 \newinsert\bx@V
4547 \newinsert\bx@W
4548 \newinsert\bx@X
4549 \newinsert\bx@Y
4550 \newinsert\bx@Z
4551 \newinsert\bx@a
4552 \newinsert\bx@b
4553 \newinsert\bx@c
4554 \newinsert\bx@d
4555 \newinsert\bx@e
4556 \newinsert\bx@f
4557 \newinsert\bx@g
4558 \newinsert\bx@h
4559 \newinsert\bx@i
4560 \newinsert\bx@j
4561 \newinsert\bx@k
4562 \newinsert\bx@l
4563 \newinsert\bx@m
4564 \newinsert\bx@n
4565 \newinsert\bx@o
4566 \newinsert\bx@p
4567 \newinsert\bx@q
4568 \newinsert\bx@r
4569 \newinsert\bx@s
4570 \newinsert\bx@t
4571 \newinsert\bx@u
4572 \newinsert\bx@v
4573 \newinsert\bx@w
4574 \newinsert\bx@x
4575 \newinsert\bx@y
4576 \newinsert\bx@z
4577 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4578 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4579 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4580 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4581 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4582 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4583 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4584 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4585 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4586 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4587 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4588 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%

```



```

4589 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4590 \ifthenelse{\isundefined{\bx@AA}}{%
4591     \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4592     \newinsert\bx@AA
4593     \newinsert\bx@BB
4594     \newinsert\bx@CC
4595     \newinsert\bx@DD
4596     \newinsert\bx@EE
4597     \newinsert\bx@FF
4598     \newinsert\bx@GG
4599     \newinsert\bx@HH
4600     \newinsert\bx@II
4601     \newinsert\bx@JJ
4602     \newinsert\bx@KK
4603     \newinsert\bx@LL
4604     \newinsert\bx@MM
4605     \newinsert\bx@NN
4606     \newinsert\bx@OO
4607     \newinsert\bx@PP
4608     \newinsert\bx@QQ
4609     \newinsert\bx@RR
4610     \newinsert\bx@SS
4611     \newinsert\bx@TT
4612     \newinsert\bx@UU
4613     \newinsert\bx@VV
4614     \newinsert\bx@WW
4615     \newinsert\bx@XX
4616     \newinsert\bx@YY
4617     \newinsert\bx@ZZ
4618     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4619         \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4620         \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4621         \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4622         \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4623         \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4624         \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4625         \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4626         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4627         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4628         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4629         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4630         \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4631         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4632         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4633         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4634         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4635         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4636 }{%
4637     \bidituftefloatError{You may only call \string\morefloats\space twice. See the\MessageBr
4638         {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\

```



```

4639 }%
4640 }%
4641 }
4642 \newboolean{@bidituftefloat@packages@subfigure}
4643 \setboolean{@bidituftefloat@packages@subfigure}{false}
4644 \AtBeginDocument{%
4645   \ifpackageloaded{subfigure}
4646     {\GlobalSetBoolean{@bidituftefloat@packages@subfigure}{true}}
4647     {\GlobalSetBoolean{@bidituftefloat@packages@subfigure}{false}}%
4648 }
4649 \AtBeginDocument{%
4650   \ifpackageloaded{float}{%
4651     % Save the redefined float environment (instead of the LaTeX float environment)
4652     \let\@bidituftefloat@orig@float\@float
4653     \let\@bidituftefloat@orig@endfloat\end@float
4654
4655     % Define Tuftian float styles (with the caption in the margin)
4656     \newcommand{\floatc@bidituftefloatplain}[2]{%
4657       \begin{lrbox}{\@bidituftefloat@caption@box}%
4658         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4659           \@bidituftefloat@caption@font{\@fs@cfont #1:} #2\par%
4660         }
4661       \end{minipage}%
4662       \smash{\hspace{\@bidituftefloat@caption@fill}}\usebox{\@bidituftefloat@caption@box}}%
4663   }
4664   \newcommand{\fs@bidituftefloatplain}{%
4665     \def\@fs@cfont{\@bidituftefloat@caption@font}%
4666     \let\@fs@capt\floatc@bidituftefloatplain%
4667     \def\@fs@pre{}%
4668     \def\@fs@post{}%
4669     \def\@fs@mid{}%
4670     \let\@fs@iftopcapt\iftrue%
4671   }
4672   \let\fs@bidituftefloatplaintop=\fs@bidituftefloatplain
4673   \let\floatc@bidituftefloatplaintop=\floatc@bidituftefloatplain
4674   \newcommand\floatc@bidituftefloatruled[2]{%
4675     {\@fs@cfont #1} #2\par%
4676   }
4677   \newcommand\fs@bidituftefloatruled{%
4678     \def\@fs@cfont{\@bidituftefloat@caption@font}%
4679     \let\@fs@capt\floatc@bidituftefloatplain%
4680     \def\@fs@pre{\hrule height .8pt depth 0pt width\textwidth \kern 2pt}%
4681     \def\@fs@post{\kern 2pt\hrule width\textwidth\relax}%
4682     \def\@fs@mid{}%
4683     \let\@fs@iftopcapt\iftrue%
4684   }
4685   \newcommand\fs@bidituftefloatboxed{%
4686     \def\@fs@cfont{}%
4687     \let\@fs@capt\floatc@bidituftefloatplain%
4688     \def\@fs@pre%

```



```

4689      \setbox\@currbox\vbox{\hbadness10000
4690      \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4691      \hrule \hbox to\hsize{\vrule\kern3pt
4692      \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4693    }%
4694    \def\@fs@mid{\kern2pt}%
4695    \def\@fs@post{}%
4696    \let\@fs@iftopcapt\iftrue%
4697  }
4698 }{%
4699   % Nothing to do
4700 }
4701 }
4702 \AtBeginDocument{%
4703   \ifpackageloaded{algorithm}{%
4704     % Set the float style to the Tufte version
4705     \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}}{}{
4706       \biditytuftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4707       \floatstyle{biditytuftefloat\ALG@floatstyle}%
4708       \restylefloat{algorithm}%
4709     }{}%
4710   }{%
4711     % Nothing to do
4712   }
4713 }
4714 \PassOptionsToPackage{caption=false}{subfig}

```

22 File biditytuftesidenote.sty

```

4715 \NeedsTeXFormat{LaTeX2e}
4716 \ProvidesPackage{biditytuftesidenote}[2017/08/09 v0.4
4717 bidi implementation of tufte sidenote]
4718 \RequirePackage{xifthen}
4719 \RequirePackage{ragged2e}
4720 \RequirePackage{setspace}
4721 \RequirePackage{biditytools}
4722 \def\biditytuftesidenotemarginpar{%
4723   \ifhmode
4724     \@bsphack
4725     \@floatpenalty -\@Mii
4726   \else
4727     \@floatpenalty-\@Miii
4728   \fi
4729   \ifinner
4730     \@parmoderr
4731     \@floatpenalty\z@
4732   \else
4733     \@next\@currbox\@freelist{}{}%
4734     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4735     {\@floatpenalty\z@

```



```

4736 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4737 \fi
4738 \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
4739 \long\def\@bidityftesidenotexmpar[#1]#2{%
4740 \@bidityftesidenotesavemarbox\@marbox{#1}%
4741 \@bidityftesidenotesavemarbox\@currbox{#2}%
4742 \@xympar}
4743 \long\def\@bidityftesidenoteympar#1{%
4744 \@bidityftesidenotesavemarbox\@marbox{#1}%
4745 \global\setbox\@currbox\copy\@marbox
4746 \@xympar}
4747 \long\def \@bidityftesidenotesavemarbox #1#2{%
4748 \global\setbox #1%
4749 \color@vbox
4750 \vtop{%
4751 \hsize\marginparwidth
4752 \@parboxrestore
4753 \@bidityftesidenotemarginparreset
4754 #2%
4755 \@minipagefalse
4756 \outer@nobreak
4757 }%
4758 \color@endbox
4759 }
4760 \def \@bidityftesidenotemarginparreset {%
4761 \reset@font
4762 \normalsize
4763 \@minipagetrue
4764 \everypar{\@minipagefalse\everypar{}\ifRTL@footnote\beginR\else\beginL\fi}%
4765 }
4766 \def\LTRbidityftesidenotemarginpar{%
4767 \ifhmode
4768 \@bsphack
4769 \@floatpenalty -\@Mii
4770 \else
4771 \@floatpenalty-\@Miii
4772 \fi
4773 \ifinner
4774 \@parmoderr
4775 \@floatpenalty\z@
4776 \else
4777 \@next\@currbox\@freelist{}\}%
4778 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4779 {\@floatpenalty\z@
4780 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4781 \fi
4782 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4783 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4784 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4785 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%

```



```

4786 \xympar}
4787 \long\def\@LTRbidityftesidenoteympar#1{%
4788 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4789 \global\setbox\@currbox\copy\@marbox
4790 \xympar}
4791 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4792 \global\setbox #1%
4793 \color@vbox
4794 \vtop{%
4795 \hsize\marginparwidth
4796 \@parboxrestore
4797 \@LTRbidityftesidenotemarginparreset
4798 #2%
4799 \@minipagefalse
4800 \outer@nobreak
4801 }%
4802 \color@endbox
4803 }
4804 \def \@LTRbidityftesidenotemarginparreset {%
4805 \reset@font
4806 \normalsize
4807 \@minipagetrue
4808 \everypar{\@minipagefalse\everypar{}\beginL}%
4809 }
4810 \def\RTLbidityftesidenotemarginpar{%
4811 \ifhmode
4812 \@bsphack
4813 \@floatpenalty -\@Mii
4814 \else
4815 \@floatpenalty-\@Miii
4816 \fi
4817 \ifinner
4818 \@parmoderr
4819 \@floatpenalty\z@
4820 \else
4821 \@next\@currbox\@freelist{}\}%
4822 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4823 {\@floatpenalty\z@
4824 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4825 \fi
4826 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4827 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4828 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4829 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4830 \xympar}
4831 \long\def\@RTLbidityftesidenoteympar#1{%
4832 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4833 \global\setbox\@currbox\copy\@marbox
4834 \xympar}
4835 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%

```



```

4836 \global\setbox #1%
4837 \color@vbox
4838 \vtop{%
4839 \hsize\marginparwidth
4840 \@parboxrestore
4841 \@RTLbiditytesidenotemarginparreset
4842 #2%
4843 \@minipagefalse
4844 \outer@nobreak
4845 }%
4846 \color@endbox
4847 }
4848 \def \@RTLbiditytesidenotemarginparreset {%
4849 \reset@font
4850 \normalsize
4851 \@minipagetrue
4852 \everypar{\@minipagefalse\everypar{}\beginR}%
4853 }
4854 \newcommand*{\@biditytesidenote@marginfont}{\normalfont\footnotesize}
4855 \newcommand*{\@biditytesidenote@LTRmarginfont}{\normalfont\footnotesize}
4856 \newcommand*{\@biditytesidenote@RTLmarginfont}{\normalfont\footnotesize}
4857 \newcommand*{\@biditytesidenote@sidenote@font}{\@biditytesidenote@marginfont}
4858 \newcommand*{\@biditytesidenote@LTRsidenote@font}{\@biditytesidenote@LTRmarginfont}
4859 \newcommand*{\@biditytesidenote@RTLSidenote@font}{\@biditytesidenote@RTLmarginfont}
4860 \newcommand*{\@biditytesidenote@marginnote@font}{\@biditytesidenote@marginfont}
4861 \newcommand*{\@biditytesidenote@LTRmarginnote@font}{\@biditytesidenote@LTRmarginfont}
4862 \newcommand*{\@biditytesidenote@RTLmarginnote@font}{\@biditytesidenote@RTLmarginfont}
4863 \newcommand*{\@biditytesidenote@citation@font}{\@biditytesidenote@marginfont}
4864 \newcommand*{\@biditytesidenote@LTRcitation@font}{\@biditytesidenote@LTRmarginfont}
4865 \newcommand*{\@biditytesidenote@RTLCitation@font}{\@biditytesidenote@RTLmarginfont}
4866 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@biditytesidenote@sidenote@font}{#1}}
4867 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@biditytesidenote@LTRsidenote@font}{#1}}
4868 \newcommand*{\setRTLSidenote@font}[1]{\renewcommand*{\@biditytesidenote@RTLSidenote@font}{#1}}
4869 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@biditytesidenote@marginnote@font}{#1}}
4870 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@biditytesidenote@LTRmarginnote@font}{#1}}
4871 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@biditytesidenote@RTLmarginnote@font}{#1}}
4872 \newcommand*{\setcitation@font}[1]{\renewcommand*{\@biditytesidenote@citation@font}{#1}}
4873 \newcommand*{\setLTRcitation@font}[1]{\renewcommand*{\@biditytesidenote@LTRcitation@font}{#1}}
4874 \newcommand*{\setRTLCitation@font}[1]{\renewcommand*{\@biditytesidenote@RTLCitation@font}{#1}}
4875 \newcommand*{\@biditytesidenote@sidenote@justification}{\@biditytesidenote@justification@autodetect}
4876 \newcommand*{\@biditytesidenote@marginnote@justification}{\@biditytesidenote@justification@autodetect}
4877 \newcommand*{\@biditytesidenote@citation@justification}{\@biditytesidenote@justification@autodetect}
4878 \newcommand*{\@biditytesidenote@justification@autodetect}{\justifying}%
4879 \newcommand{\@biditytesidenote@margin@par}{%
4880 \setlength{\RaggedRightParindent}{0.5pc}%
4881 \setlength{\JustifyingParindent}{0.5pc}%
4882 \setlength{\parindent}{0.5pc}%
4883 \setlength{\parskip}{0pt}%
4884 }
4885 %%

```



```

4886% Globally sets the length
4887\@ifundefined{gsetlength}{%
4888\newcommand*{\gsetlength}[2]{%
4889\setlength{#1}{#2}%
4890\global#1=#1\relax%
4891}%
4892}{%
4893
4894%%
4895% A function that removes leading and trailing spaces from the supplied macro.
4896% Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4897% Executing \@biditytesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4898% being trimmed of leading and trailing white space.
4899\catcode\Q=3
4900\def\@biditytesidenote@trim@spaces#1{%
4901% Use grouping to emulate a multi-token afterassignment queue
4902\begingroup%
4903% Put \toks 0 {' into the afterassignment queue
4904\aftergroup\toks\aftergroup0\aftergroup{%
4905% Apply \trimb to the replacement text of #1, adding a leading
4906% \noexpand to prevent brace stripping and to serve another purpose
4907% later.
4908\expandafter\@biditytesidenote@trim@b\expandafter\noexpand#1Q Q}%
4909% Transfer the trimmed text back into #1.
4910\edef#1{\the\toks0}%
4911}
4912% \trimb removes a trailing space if present, then calls \@biditytesidenote@trim@c to
4913% clean up any leftover bizarre Qs, and trim a leading space. In
4914% order for \trimc to work properly we need to put back a Q first.
4915\def\@biditytesidenote@trim@b#1 Q{\@biditytesidenote@trim@c#1Q}
4916% Execute \vfuzz assignment to remove leading space; the \noexpand
4917% will now prevent unwanted expansion of a macro or other expandable
4918% token at the beginning of the trimmed text. The \endgroup will feed
4919% in the \aftergroup tokens after the \vfuzz assignment is completed.
4920\def\@biditytesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4921\catcode\Q=11
4922%%
4923% Citations should go in the margin as sidenotes
4924
4925\RequirePackage{natbib}
4926\RequirePackage{bibentry} % allows bibitems to be typeset outside the bibliography environment
4927% Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4928\renewcommand\BR@b@bibitem[2][]{%
4929\ifthenelse{\isempty{#1}}{%
4930{\BR@b@bibitem{#2}}%
4931{\BR@b@bibitem{#1}{#2}}%
4932\BR@c@bibitem{#2}}%
4933}
4934\@bidity@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4935%%

```




```

4936 % Normal \cite behavior
4937 \newcounter{@biditytesidenote@num@bibkeys}%
4938 \newcommand{@@biditytesidenote@normal@cite}[2][Opt]{%
4939   % Snag the last bibentry in the list for later comparison
4940   \let\@temp@last@bibkey\empty%
4941   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4942   \sidenote[] [#1]{%
4943     % Loop through all the bibentries, separating them with semicolons and spaces
4944     \normalsize\normalfont\@biditytesidenote@citation@font%
4945     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4946     \@for\@temp@bibkeyx:=#2\do{%
4947       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4948         {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
4949          \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4950          \bibentry{\@temp@bibkeyx}}%
4951         {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4952          \bibentry{\@temp@bibkeyx};\ }%
4953       \stepcounter{@biditytesidenote@num@bibkeys}%
4954     }%
4955   }%
4956 }
4957 \newcommand{@@bidityteLTRsidenote@normal@cite}[2][Opt]{%
4958   % Snag the last bibentry in the list for later comparison
4959   \let\@temp@last@bibkey\empty%
4960   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4961   \LTRsidenote[] [#1]{%
4962     % Loop through all the bibentries, separating them with semicolons and spaces
4963     \normalsize\normalfont\@biditytesidenote@LTRcitation@font%
4964     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4965     \@for\@temp@bibkeyx:=#2\do{%
4966       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4967         {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
4968          \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4969          \bibentry{\@temp@bibkeyx}}%
4970         {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4971          \bibentry{\@temp@bibkeyx};\ }%
4972       \stepcounter{@biditytesidenote@num@bibkeys}%
4973     }%
4974   }%
4975 }
4976 \newcommand{@@bidityteRTLsidenote@normal@cite}[2][Opt]{%
4977   % Snag the last bibentry in the list for later comparison
4978   \let\@temp@last@bibkey\empty%
4979   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4980   \RTLsidenote[] [#1]{%
4981     % Loop through all the bibentries, separating them with semicolons and spaces
4982     \normalsize\normalfont\@biditytesidenote@citation@font%
4983     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4984     \@for\@temp@bibkeyx:=#2\do{%
4985       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%

```



```

4986         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4987         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4988         \bibentry{\@temp@bibkeyx}}}%
4989         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4990         \bibentry{\@temp@bibkeyx};\ }%
4991     \stepcounter{@bidityftesidenote@num@bibkeys}%
4992 }%
4993 }%
4994 }
4995 %%
4996 % Macros for holding the list of cite keys until after the \sidenote
4997 \gdef\@bidityftesidenote@citations{}% list of cite keys
4998 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4999 \ifx\@bidityftesidenote@citations\@empty\else
5000     \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
5001 \fi
5002 \g@addto@macro\@bidityftesidenote@citations{#1}
5003 }
5004 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
5005 % Snag the last bibentry in the list for later comparison
5006 \let\@temp@last@bibkey\@empty%
5007 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5008 \marginpar{%
5009     \hbox{\vspace*{#1}}%
5010     \@bidityftesidenote@citation@font%
5011     \@bidityftesidenote@citation@justification%
5012     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5013     \vspace*{-1\baselineskip}%
5014 % Loop through all the bibentries, separating them with semicolons and spaces
5015 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5016 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
5017     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5018         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5019         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5020         \bibentry{\@temp@bibkeyx}}}%
5021         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5022         \bibentry{\@temp@bibkeyx};\ }%
5023     \stepcounter{@bidityftesidenote@num@bibkeys}%
5024 }%
5025 }%
5026 }
5027 %%
5028 % \cite behavior when executed within a sidenote
5029 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5030 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
5031     \@bidityftesidenote@add@citation{#1}
5032 }
5033 %%
5034 % Set the default \cite style. This is set and reset by the \sidenote command.
5035 \let\cite\@bidityftesidenote@normal@cite

```



```

5036 \let\LTRcite\@bidiuftenLTRsidenote@normal@cite
5037 \let\RTLcite\@bidiuftenRTLSidenote@normal@cite
5038 %%
5039 % Transform existing \footnotes into \sidenotes
5040 % Sidenote: ``Where God meant footnotes to go.''' ---bidiuftesidenote
5041 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5042 \providecommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@font}
5043 \renewcommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@font}
5044 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5045 % sidenote's text block.
5046 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidiuftesidenote@sidenote@font}}
5047 % Set the in-text footnote mark in the same typeface as the body text itself.
5048 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidiuftesidenote@sidenote@font}}
5049 \providecommand*\@multiplefootnotemark{\@bidiuftesidenote@sidenote@font}
5050 \providecommand*\@multiplefootsep{\@bidiuftesidenote@sidenote@font}
5051 \bidi@patch@AfterPackage{bidi}{%
5052 \renewcommand{\@footnotemark}{%
5053 \leavevmode%
5054 \ifhmode%
5055 \edef\@x@sf{\the\spacefactor}%
5056 \@bidiuftesidenote@check@multiple@sidenotes%
5057 \nobreak%
5058 \fi%
5059 \@makefnmark%
5060 \ifhmode\spacefactor\@x@sf\fi%
5061 \relax%
5062 }%
5063 }
5064 \newcommand{\@bidiuftesidenote@check@multiple@sidenotes}{%
5065 \ifdim\lastkern=\multiplefootnotemark\relax%
5066 \edef\@x@sf{\the\spacefactor}%
5067 \unkern%
5068 \textsuperscript{\multiplefootsep}%
5069 \spacefactor\@x@sf\relax%
5070 \fi
5071 }
5072 \bidi@patch@AfterPackage{bidi}{%
5073 \renewcommand\@footnotetext[2][Opt]{%
5074 \bidiuftesidenotemarginpar{%
5075 \hbox{\vspace*{#1}}%
5076 \def\baselinestretch {\setspace@singlespace}%
5077 \reset@font%
5078 \bidi@footnotetext@font% \reset@font\footnotesize%
5079 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5080 \vspace*{-1\baselineskip}\noindent%
5081 \protected@edef\@currentlabel{%
5082 \csname p@footnote\endcsname\@thefnmark%
5083 }%
5084 \color@begingroup%
5085 \makefnmark%

```



```

5086         \ignorespaces#2%
5087     }%
5088     \color@endgroup%
5089 }%
5090 }%
5091 \renewcommand\@LTRfootnotetext[2][0pt]{%
5092 \LTRbidityftesidenotemarginpar{%
5093     \hbox{}\vspace*{#1}%
5094     \def\baselinestretch {\setspace@singlespace}%
5095     \reset@font%
5096     \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5097     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5098     \vspace*{-1\baselineskip}\noindent%
5099     \protected@edef\@currentlabel{%
5100         \csname p@footnote\endcsname\@thefnmark%
5101     }%
5102     \color@begingroup%
5103         \@makefntext{%
5104             \ignorespaces#2%
5105         }%
5106     \color@endgroup%
5107 }%
5108 }%
5109 \renewcommand\@RTLfootnotetext[2][0pt]{%
5110 \RTLbidityftesidenotemarginpar{%
5111     \hbox{}\vspace*{#1}%
5112     \def\baselinestretch {\setspace@singlespace}%
5113     \reset@font%
5114     \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5115     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5116     \vspace*{-1\baselineskip}\noindent%
5117     \protected@edef\@currentlabel{%
5118         \csname p@footnote\endcsname\@thefnmark%
5119     }%
5120     \color@begingroup%
5121         \@makefntext{%
5122             \ignorespaces#2%
5123         }%
5124     \color@endgroup%
5125 }%
5126 }%
5127 }
5128 %
5129 % Define \sidenote command. Can handle \cite.
5130 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
5131 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5132 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5133 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5134     \let\cite\@bidityftesidenote@infofootnote@cite% use the in-sidenote \cite command
5135     \gdef\@bidityftesidenote@citations{}% clear out any old citations

```



```

5136 \ifthenelse{\NOT\isempty{#2}}{%
5137   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5138 }{%
5139   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5140 }%
5141 \ifthenelse{\isempty{#1}}{%
5142   % no specific footnote number provided
5143   \stepcounter{\mpfn}%
5144   \protected@xdef\@thefnmark{\thempfn}%
5145   \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5146 }{%
5147   % specific footnote number provided
5148   \begingroup%
5149     \csname c@\mpfn\endcsname #1\relax%
5150     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5151   \endgroup%
5152   \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5153 }%
5154 \@bidityftesidenote@print@citations%          print any citations
5155 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5156 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5157 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5158 \unskip\ignorespaces%                          remove extra white space
5159 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
5160 \kern\multiplefootnotemarker\relax%             add new \kern here to replace the one we yanked
5161 }
5162 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5163   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5164   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
5165   \ifthenelse{\NOT\isempty{#2}}{%
5166     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5167   }{%
5168     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5169   }%
5170   \ifthenelse{\isempty{#1}}{%
5171     % no specific footnote number provided
5172     \stepcounter{\mpfn}%
5173     \protected@xdef\@thefnmark{\thempfn}%
5174     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5175   }{%
5176     % specific footnote number provided
5177     \begingroup%
5178       \csname c@\mpfn\endcsname #1\relax%
5179       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5180     \endgroup%
5181     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5182   }%
5183   \@bidityftesidenote@print@citations%          print any citations
5184   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5185   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite

```



```

5186 \let\RTLcite\@bidityftesidenote@normal@cite%      go back to using normal in-text \RTLcite%
5187 \unskip\ignorespaces%      remove extra white space
5188 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
5189 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5190 }
5191 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5192 \let\cite\@bidityftesidenote@infootnote@cite%      use the in-sidenote \cite command
5193 \gdef\@bidityftesidenote@citations{}%      clear out any old citations
5194 \ifthenelse{\NOT\isempty{#2}}{%
5195 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5196 }{%
5197 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5198 }%
5199 \ifthenelse{\isempty{#1}}{%
5200 % no specific footnote number provided
5201 \stepcounter\@mpfn%
5202 \protected@xdef\@thefnmark{\thempfn}%
5203 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5204 }{%
5205 % specific footnote number provided
5206 \begingroup%
5207 \csname c@\@mpfn\endcsname #1\relax%
5208 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5209 \endgroup%
5210 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5211 }%
5212 \@bidityftesidenote@print@citations%      print any citations
5213 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5214 \let\LTRcite\@bidityftesidenote@normal@cite%      go back to using normal in-text \LTRcite%
5215 \let\RTLcite\@bidityftesidenote@normal@cite%      go back to using normal in-text \RTLcite%
5216 \unskip\ignorespaces%      remove extra white space
5217 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
5218 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5219 }
5220 \newcommand{\sidenote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5221 \newcommand{\LTRsidenote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5222 \newcommand{\RTLsidenote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5223 \bidi@patch@AfterPackage{bidi}{%
5224 \renewcommand{\footnote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5225 \renewcommand{\LTRfootnote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5226 \renewcommand{\RTLfootnote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5227 }
5228 %%
5229 % Sidenote without the footnote mark
5230 \newcommand\marginnote[2] [Opt]{%
5231 \let\cite\@bidityftesidenote@infootnote@cite%      use the in-sidenote \cite command
5232 \gdef\@bidityftesidenote@citations{}%      clear out any old citations
5233 \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidityftesidenote@marginnote@size%
5234 \@bidityftesidenote@print@citations%      print any citations
5235 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command

```



```

5236 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%      go back to using normal in-text \LTRcite
5237 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%      go back to using normal in-text \RTLcite
5238 }
5239 \newcommand\LTRmarginnote[2][Opt]{%
5240 \let\cite\@bidityftesidenote@infootnote@cite%      use the in-sidenote \cite command
5241 \gdef\@bidityftesidenote@citations{}%            clear out any old citations
5242 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@font
5243 \@bidityftesidenote@print@citations%              print any citations
5244 \let\cite\@bidityftesidenote@normal@cite%          go back to using normal in-text \cite command
5245 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%    go back to using normal in-text \LTRcite
5246 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%    go back to using normal in-text \RTLcite
5247 }
5248 \newcommand\RTLMarginnote[2][Opt]{%
5249 \let\cite\@bidityftesidenote@infootnote@cite%      use the in-sidenote \cite command
5250 \gdef\@bidityftesidenote@citations{}%            clear out any old citations
5251 \RTLBidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLMarginnote@font\@bidityftesidenote@font
5252 \@bidityftesidenote@print@citations%              print any citations
5253 \let\cite\@bidityftesidenote@normal@cite%          go back to using normal in-text \cite command
5254 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%    go back to using normal in-text \LTRcite
5255 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%    go back to using normal in-text \RTLcite
5256 }

```

23 File bidityftetoc.sty

```

5257 \NeedsTeXFormat{LaTeX2e}
5258 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5259 bidi implementation of tufte toc]
5260 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5261 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5262 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5263 %%
5264 % Turn off section numbering
5265 \setcounter{secnumdepth}{-1}
5266 \newboolean{@bidityftetoc@toc}
5267 \setboolean{@bidityftetoc@toc}{true}
5268 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
5269 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
5270 \ProcessOptions
5271 %%
5272 % Make Tufte-style section headings and TOC formatting
5273 \bidity@patch@AfterPackage{bidi}{%
5274 \titleformat{\chapter}%
5275 [display]% shape
5276 {\relax\ifthenelse{NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}% format ap
5277 {\itshape\huge\thechapter}% label
5278 {Opt}% horizontal separation between label and title body
5279 {\huge\rmfamily\itshape}% before the title body
5280 [\ifthenelse{NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}% after the title b
5281 \titleformat{\section}%
5282 [hang]% shape

```



```

5283 {\normalfont\Large\itshape}% format applied to label+text
5284 {\thesection}% label
5285 {1em}% horizontal separation between label and title body
5286 {}% before the title body
5287 []% after the title body
5288 \titleformat{\subsection}%
5289 [hang]% shape
5290 {\normalfont\large\itshape}% format applied to label+text
5291 {\thesubsection}% label
5292 {1em}% horizontal separation between label and title body
5293 {}% before the title body
5294 []% after the title body
5295 \titleformat{\paragraph}%
5296 [runin]% shape
5297 {\normalfont\itshape}% format applied to label+text
5298 {\theparagraph}% label
5299 {1em}% horizontal separation between label and title body
5300 {}% before the title body
5301 []% after the title body
5302 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5303 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5304 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5305 }
5306 % Subsubsection and following section headings shouldn't be used.
5307 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5308 \renewcommand\subsubsection{%
5309   \biditytetocError{\noexpand\subsubsection is undefined by this class.%
5310     \MessageBreak See Robert Bringhurst's _The Elements of
5311     \MessageBreak Typographic Style_, section 4.2.2.
5312     \MessageBreak \noexpand\subsubsection was used}
5313     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5314     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5315     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5316 }
5317 \renewcommand\subparagraph{%
5318   \biditytetocError{\noexpand\subparagraph is undefined by this class.%
5319     \MessageBreak See Robert Bringhurst's _The Elements of
5320     \MessageBreak Typographic Style_, section 4.2.2.
5321     \MessageBreak \noexpand\subparagraph was used}
5322     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5323     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5324     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5325 }
5326 % Formatting for main TOC (printed in front matter)
5327 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5328 \ifthenelse{\boolean{@biditytetoc@toc}}{%
5329   \bidi@patch@AfterPackage{bidi}{%
5330     \titlecontents{part}% FIXME
5331     [Oem] % distance from left margin
5332     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format

```




```

5333 {\contentslabel{2em}} % before w/label (label = ``II'')
5334 {} % before w/o label
5335 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5336 [\end{fullwidth}] % after
5337 \titlecontents{chapter}%
5338 [0em] % distance from left margin
5339 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5340 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5341 {\hspace*{0em}} % before w/o label
5342 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5343 [\end{fullwidth}] % after
5344 \titlecontents{section}% FIXME
5345 [0em] % distance from left margin
5346 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5347 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5348 {\hspace*{2em}} % before w/o label
5349 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5350 [\end{fullwidth}] % after
5351 \titlecontents{subsection}% FIXME
5352 [0em] % distance from left margin
5353 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5354 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5355 {\hspace*{4em}} % before w/o label
5356 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5357 [\end{fullwidth}] % after
5358 \titlecontents{paragraph}% FIXME
5359 [0em] % distance from left margin
5360 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global fo
5361 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5362 {\hspace*{6em}} % before w/o label
5363 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5364 [\end{fullwidth}] % after
5365}%
5366}{%
5367}%
5368% Format lists of figures/tables
5369\renewcommand\listoffigures{%
5370 \@ifundefined{chapter}%
5371 {\section*{\listfigurename}}%
5372 {\chapter*{\listfigurename}}%
5373% \begin{fullwidth}%
5374 \@starttoc{lof}%
5375% \end{fullwidth}%
5376}
5377\renewcommand\listoftables{%
5378 \@ifundefined{chapter}%
5379 {\section*{\listtablename}}%
5380 {\chapter*{\listtablename}}%
5381% \begin{fullwidth}%
5382 \@starttoc{lot}%

```



```

5383 % \end{fullwidth}%
5384 }
5385 \newcommand{\@biditytetoc@lof@line}[2]{%
5386 % #1 is the figure/table number and its caption text
5387 % #2 is the page number on which the figure/table appears
5388 \leftskip 0.0em
5389 \rightskip 0em
5390 \parfillskip 0em plus 1fil
5391 \parindent 0.0em
5392 \@afterindenttrue
5393 \interlinepenalty\@M
5394 \leavevmode
5395 \@tempdima 2.0em
5396 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5397 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5398 {#1}\nobreak\qquad\nobreak#2%
5399 \par%
5400 }
5401 \renewcommand*\l@figure{\@biditytetoc@lof@line}
5402 \let\l@table\l@figure

```

24 File `bidituftegeneralstructure.sty`

```

5403 \NeedsTeXFormat{LaTeX2e}
5404 \ProvidesPackage{bidituftegeneralstructure}[2011/06/18 v0.1
5405 bidi implementation of tufte general structure]
5406 \renewcommand\small{%
5407 \setfontsize\small\@ixpt{12}%
5408 \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5409 \abovedisplayshortskip \z@ \@plus2\p@
5410 \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5411 \def\@listi{\leftmargin\leftmargini
5412 \topsep 4\p@ \@plus2\p@ \@minus2\p@
5413 \parsep 2\p@ \@plus\p@ \@minus\p@
5414 \itemsep \parsep}%
5415 \belowdisplayskip \abovedisplayskip
5416 }
5417 \renewcommand\scriptsize{\setfontsize\scriptsize\@viipt\@viipt}
5418 \renewcommand\tiny{\setfontsize\tiny\@vpt\@vpt}
5419 \renewcommand\large{\setfontsize\large\@xipt{15}}
5420 \renewcommand\Large{\setfontsize\Large\@xipt{16}}
5421 \renewcommand\LARGE{\setfontsize\LARGE\@xivpt{18}}
5422 \renewcommand\huge{\setfontsize\huge\@xxpt{30}}
5423 \renewcommand\Huge{\setfontsize\Huge{24}{36}}
5424 \setlength\leftmargini {1pc}
5425 \setlength\leftmarginii {1pc}
5426 \setlength\leftmarginiii {1pc}
5427 \setlength\leftmarginiv {1pc}
5428 \setlength\leftmarginv {1pc}
5429 \setlength\leftmarginvi {1pc}

```



```

5430 \setlength\labelsep      {.5pc}
5431 \setlength\labelwidth    {\leftmargini}
5432 \addtolength\labelwidth{-\labelsep}
5433 \setlength\parindent     {1.0pc}%
5434 \setlength\parskip       {0pt}%
5435 \RequirePackage{ragged2e}
5436 \setlength\{RaggedRightRightskip\}{\z@ plus 0.08\hsize}
5437 % Paragraph indentation and separation for normal text
5438 \newcommand\@bidityftegeneralstructure@reset@par{%
5439   \setlength\{RaggedRightParindent\}{1.0pc}%
5440   \setlength\{JustifyingParindent\}{1.0pc}%
5441   \setlength\{parindent\}{1pc}%
5442   \setlength\{parskip\}{0pt}%
5443 }
5444 \@bidityftegeneralstructure@reset@par
5445 % Require paralist package for tighter lists
5446 \RequirePackage{paralist}
5447 % Add rightmargin to compactenum
5448 \def\@compactenum{%
5449   \expandafter\list\csname label\@enumctr\endcsname{%
5450     \usecounter{\@enumctr}%
5451     \rightmargin=2em% added this
5452     \parsep\plparsep
5453     \itemsep\plitemsep
5454     \topsep\pltopsep
5455     \partopsep\plpartopsep
5456     \def\makelabel##1{\hss\llap{##1}}}%
5457 %%
5458 % An environment for paragraph-style section
5459 \providecommand\newthought[1]{%
5460   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5461   \noindent\textbf{#1}%
5462 }
5463 %%
5464 % Redefine the display environments (quote, quotation, etc.)
5465 \renewenvironment{verse}
5466   {\let\@centercr
5467     \list{}\{\itemsep      \z@
5468       \itemindent   -1pc%
5469       \listparindent\itemindent
5470       \rightmargin  \leftmargin
5471       \advance\leftmargin 1pc}%
5472     \small%
5473     \item\relax}
5474   {\endlist}
5475 \renewenvironment{quotation}
5476   {\list{}\{\listparindent 1pc%
5477     \itemindent   \listparindent
5478     \rightmargin  \leftmargin
5479     \parsep       \z@ \@plus\p@}%

```



```

5480             \small%
5481             \item\relax\noindent\ignorespaces}
5482         {\endlist}
5483 \renewenvironment{quote}
5484         {\list{}{\rightmargin\leftmargin}%
5485         \small%
5486         \item\relax}
5487         {\endlist}
5488 % Italicize description run-in headings (instead of the default bold)
5489 \renewcommand*{descriptionlabel}[1]{\hspace\labelsep\normalfont\em #1}
5490 %%
5491 % Redefine \bibsection to not mark the running heads.
5492 % (Code modified from natbib.sty.)
5493 \ifundefined{chapter}%
5494     {\renewcommand\bibsection{\section*{\refname}}}
5495     {\ifundefined{NAT@sectionbib}%
5496         {\renewcommand\bibsection{\chapter{\bibname}}}
5497         {\renewcommand\bibsection{\section*{\bibname}}}}
5498 \RequirePackage{multicol}
5499 \renewenvironment{theindex}{%
5500 \ifundefined{chapter}%
5501     {\section*{\indexname}}%
5502     {\chapter{\indexname}}%
5503 \begin{fullwidth}%
5504 \small%
5505 \parskip0pt%
5506 \parindent0pt%
5507 \let\item\@idxitem%
5508 \begin{multicols}{3}%
5509 }{%
5510 \end{multicols}%
5511 \end{fullwidth}%
5512 }
5513 \AtBeginDocument{%
5514 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5515 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5516 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5517 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5518 \newcommand{\lettergroup}[1]{% swallow the letter heading in the index

```

25 File `bidituftehyperref.sty`

```

5519 \NeedsTeXFormat{LaTeX2e}
5520 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5521 bidi implementation of tufte hyperref]
5522 %%
5523 % Color
5524 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5525 \newboolean{@bidituftehyperref@loadhyper}
5526 \setboolean{@bidituftehyperref@loadhyper}{true}

```



```

5527 \DeclareOption{hyper}{\setboolean{@biditytuftehyperref@loadhyper}{true}}
5528 \DeclareOption{nohyper}{\setboolean{@biditytuftehyperref@loadhyper}{false}}
5529 \ProcessOptions
5530 %% Loads the hyperref package and sets some default options.
5531 \newcommand{\biditytuftehyperrefLoadHyperref}{%
5532 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5533 \hypersetup{%
5534     bookmarksdepth = section,
5535     citecolor = DarkGreen,
5536     linkcolor = DarkBlue,
5537 %     pagecolor = DarkBlue,
5538     urlcolor = DarkGreen,
5539 }%
5540 }
5541 \ifthenelse{\boolean{@biditytuftehyperref@loadhyper}}{%
5542 \biditytuftehyperrefLoadHyperref%
5543 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5544 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5545 }

```

26 File biditytufтетitle.sty

```

5546 \NeedsTeXFormat{LaTeX2e}
5547 \ProvidesPackage{biditytufтетitle}[2011/06/18 v0.1
5548 bidi implementation of tufte title]
5549 \RequirePackage{biditytools}
5550 %%
5551 % `titlepage' option -- creates a full title page with \maketitle
5552 \newboolean{@biditytufтетitle@titlepage}
5553 \DeclareOption{titlepage}{\setboolean{@biditytufтетitle@titlepage}{true}}
5554 \DeclareOption{notitlepage}{\setboolean{@biditytufтетitle@titlepage}{false}}
5555 % Default `book' and `handout' options
5556 \ifclassloaded{book}{%
5557 \ExecuteOptions{titlepage}}{%
5558 \@ifclassloaded{article}{%
5559 \ExecuteOptions{notitlepage}}%
5560 {}}
5561 \ProcessOptions
5562 %%
5563 % Modified \title, \author, and \date commands. These store the
5564 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5565 \newcommand{\plaintitle}{}% plain-text-only title
5566 \newcommand{\plainauthor}{}% plain-text-only author
5567 \newcommand{\plainpublisher}{}% plain-text-only publisher
5568 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5569 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5570 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5571 \newcommand{@publisher}{}% full publisher with \thanks{}
5572 \newcommand{\thedate}{\today}
5573 \bidity@patch@AfterPackage{bidi}{%

```



```

5574 \renewcommand{\thanks}[1]{\footnote{#1}}
5575 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5576 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5577 }
5578 \renewcommand{\title}[2][]{%
5579   \gdef\@title{#2}%
5580   \begingroup%
5581     % TODO store contents of \thanks command
5582     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5583     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5584     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5585     \protected@xdef\thanklesstitle{#2}%
5586   \endgroup%
5587   \ifthenelse{\isempty{#1}}{%
5588     {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5589     {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5590   \@ifundefined{hypersetup}%
5591     {}% hyperref is not loaded; do nothing
5592     {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5593 }
5594 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5595 \renewcommand{\author}[2][]{%
5596   \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
5597   \begingroup%
5598     % TODO store contents of \thanks command
5599     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5600     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5601     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5602     \protected@xdef\thanklessauthor{#2}%
5603   \endgroup%
5604   \ifthenelse{\isempty{#1}}{%
5605     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5606     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5607   \@ifundefined{hypersetup}%
5608     {}% hyperref is not loaded; do nothing
5609     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5610 }
5611 \renewcommand{\date}[1]{%
5612   \gdef\@date{#1}%
5613   \begingroup%
5614     % TODO store contents of \thanks command
5615     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5616     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5617     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5618     \protected@xdef\thedata{#1}%
5619   \endgroup%
5620 }
5621 %%
5622 % Provides a \publisher command to set the publisher
5623 \newcommand{\publisher}[2][]{%

```



```

5624 \gdef\@publisher{#2}%
5625 \begingroup%
5626   \renewcommand{\thanks}[1]{}% swallow \thanks contents
5627   \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5628   \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5629   \protected@xdef\thanklesspublisher{#2}%
5630 \endgroup%
5631 \ifthenelse{\isempty{#1}}
5632   {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5633   {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5634 }
5635 %%
5636 % Produces a full title page
5637 \newcommand{\maketitlepage}[0]{%
5638   \cleardoublepage%
5639   {%
5640     \bfseries%
5641     \begin{fullwidth}%
5642       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5643       \vspace{11.5pc}%
5644       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5645       \vfill%
5646       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5647     \end{fullwidth}%
5648   }
5649   \thispagestyle{empty}%
5650   \clearpage%
5651 }
5652 %%
5653 % Title block
5654 \bidi@AfterEndPreamble{%
5655 \renewcommand{\maketitle}{%
5656   \newpage%
5657   \global\@topnum\z@% prevent floats from being placed at the top of the page
5658   \begingroup%
5659     \setlength{\parindent}{0pt}%
5660     \setlength{\parskip}{4pt}%
5661     \let\@title\@empty%
5662     \let\@author\@empty%
5663     \let\@date\@empty%
5664     \gdef\@title{\LARGE\itshape\@title\par}%
5665     \gdef\@author{\Large\itshape\@author\par}%
5666     \gdef\@date{\Large\itshape\@date\par}%
5667     \@title%
5668     \@author%
5669     \@date%
5670   \endgroup%
5671   \thispagestyle{plain}% suppress the running head
5672 }%
5673 }

```



```

5674 %%
5675 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5676 % class.)
5677 \bident@AfterEndPreamble{%
5678 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5679   {\renewcommand{\maketitle}{\maketitlepage}}
5680   {}
5681 }
5682 %%
5683 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5684 % without headers and footers
5685 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5686   \hbox{}
5687   %\vspace*{\fill}
5688   %\begin{center}
5689   % This page intentionally contains only this sentence.
5690   %\end{center}
5691   %\vspace{\fill}
5692   \thispagestyle{empty}
5693   \newpage
5694   \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

27 File bidentufte-handout.cls

```

5695 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5696 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5697 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5698 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5699 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5700 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5701 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5702 \ProcessOptions\relax
5703 \LoadClass{article}
5704 \RequirePackage{bidentuftefloat}
5705 \RequirePackage{bidentuftesidenote}
5706 \RequirePackage{bidentuftetoc}
5707 \RequirePackage{bidentuftegeneralstructure}
5708 \RequirePackage{bidentuftehyperref}
5709 \RequirePackage{bidentuftetitle}
5710 \renewenvironment{abstract}
5711   {\begin{quotation}}
5712   {\end{quotation}}
5713 \AtBeginDocument{%
5714 \IfFileExists{bidentufte-handout.cfg}
5715   {\input{bidentufte-handout.cfg}
5716     \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
5717   {}%
5718 }

```



28 File bidentufte-book.cls

```
5719 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5720 \ProvidesClass{bidentufte-book}[2011/06/18 v0.1 bidentufte-book class]
5721 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5722 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5723 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5724 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5725 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5726 \ProcessOptions\relax
5727 \LoadClass{book}
5728 \RequirePackage{bidentuftefloat}
5729 \RequirePackage{bidentuftesidenote}
5730 \RequirePackage{bidentuftetoc}
5731 \RequirePackage{bidentuftegeneralstructure}
5732 \RequirePackage{bidentuftehyperref}
5733 \RequirePackage{bidentuftetitle}
5734 %%
5735 % Set up any book-specific stuff now
5736 %%
5737 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5738 % to the opening page of Chapter 1. The running heads, when they appear,
5739 % contain only the (arabic) page number in the outside corner.
5740 %\newif\if@mainmatter \@mainmattertrue
5741 \renewcommand\frontmatter{%
5742   \cleardoublepage%
5743   \@mainmatterfalse%
5744   \pagenumbering{arabic}%
5745   %\pagestyle{plain}%
5746   \fancyhf{}%
5747   \ifthenelse{\boolean{@bidentuftefloat@twoside}}%
5748     {\fancyhead[LE,RO]{\thepage}}%
5749     {\fancyhead[RE,RO]{\thepage}}%
5750 }
5751 %%
5752 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5753 % numbering---it continues where it left off in the front matter.
5754 \renewcommand\mainmatter{%
5755   \cleardoublepage%
5756   \@mainmattertrue%
5757   \fancyhf{}%
5758   \ifthenelse{\boolean{@bidentuftefloat@twoside}}%
5759     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5760     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5761     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5762     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5763 }
5764 %%
5765 % The back matter contains appendices, indices, glossaries, endnotes,
5766 % bibliographies, list of contributors, illustration credits, etc.
```



```

5767 \renewcommand\backmatter{%
5768   \if@openright%
5769     \cleardoublepage%
5770   \else%
5771     \clearpage%
5772   \fi%
5773   \@mainmatterfalse%
5774 }
5775 %%
5776 % Only show the chapter titles in the table of contents
5777 \setcounter{tocdepth}{0}
5778 \AtBeginDocument{%
5779   \IfFileExists{biditufte-book.cfg}
5780     {\input{biditufte-book.cfg}}
5781     \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5782 {}%
5783 }

```

29 File bidipoem.sty

```

5784 \NeedsTeXFormat{LaTeX2e}
5785 \ProvidesPackage{bidipoem}%
5786 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5787
5788 % Usage:
5789 %
5790 % \Setversedim #1#2 % define the layout (within a group):
5791 % #1 = length of both half-verses
5792 % #2 = separation distance = length of a connection, if present
5793 % Variant:
5794 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5795 % #1 = length of first (=right) half-verse
5796 % #2 = length of second (=left) half-verse
5797 % #3 = separation distance = length of a connection, if present
5798 %
5799 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5800 % #1 = text of first (=right) half-verse
5801 % #2 = text of second (=left) half-verse
5802 % Variant:
5803 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5804 % #1 = text of first (=right) half-verse
5805 % #2 = text of connection
5806 % #3 = text of second (=left) half-verse
5807 %
5808 % Alternative (if preferred):
5809 %
5810 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5811
5812
5813 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}

```



```

5814
5815 % define the layout, verses will be centered
5816
5817 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5818 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5819
5820 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5821 \bidipoem@hvind \textwidth
5822 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5823 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5824 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
5825
5826 \def \bidipoem@set@verseI [#1]{% optional parameter
5827 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5828
5829 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5830 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5831 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5832
5833 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5834 \ifdim Opt > \bidipoem@hvind %
5835 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5836 \else
5837 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5838 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5839 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5840 \par }
5841
5842 % macro for two half verses
5843 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5844 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]}%
5845 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5846 \bidipoem@half@verses@next}
5847
5848 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5849 \traditionalconnverses {#1}{#2}{#3}}
5850
5851
5852 {\catcode\^M=\active % these lines must end with %
5853 \gdef\traditionalpoem@obeylines{\catcode\^M\active \let\^M\traditionalpoem@par}%
5854 \global\let\^M\traditionalpoem@par} % this is in case ^M appears in a \write
5855 {\catcode\^M=\active % these lines must end with %
5856 \gdef\modernpoem@obeylines{\catcode\^M\active \let\^M\modernpoem@par}%
5857 \global\let\^M\modernpoem@par} % this is in case ^M appears in a \write
5858 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5859 \def\poemmarginsskip{1em plus 1fil minus 1em}
5860 \def\poemextrabaselineskip{0\baselineskip}
5861 \def\poemskip{\medskip}
5862 \newcommand{\bidipoem@openbox}{\leavevmode
5863 \hbox to.77778em{%

```



```

5864 \hfil\vrule
5865 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5866 \vrule\hfil}}
5867 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5868 \newdimen\versewidth
5869 \newtoks\bidipoem@p@ftn
5870 \def\poem@verse#1{%
5871 \ifdim\wd#1>\new@poem@width
5872 \xdef\new@poem@width{\the\wd#1}%
5873 \ifdim\new@poem@width>\poem@width
5874 \xdef\poem@width{\new@poem@width}%
5875 \global\let\poem@needrun\relax
5876 \fi
5877 \fi
5878 \hbox to\poem@width{\unhbox#1}%
5879 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5880 }
5881 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmargin\skip\relax}
5882 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
5883 \def\poem@lineversesep{%
5884 \nobreak
5885 \hskip\z@ plus 1filll%
5886 \penalty600%
5887 \hskip\poemcolsepskip
5888 \hskip\z@ plus -2filll%
5889 \vadjust{}}%
5890 \nobreak
5891 \hskip\z@ plus 1filll%
5892 }
5893 \def\poem@lineparsebegin{%
5894 \halign\bgroup
5895 \global\setbox\verse@i=\hbox{%
5896 \let\@footnotetext\bidipoem@p@ftntext%
5897 \let\@LTrfootnotetext\bidipoem@p@LTrftntext%
5898 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5899 \let\@xfootnotenext\bidipoem@p@xftntext%
5900 \let\@xfootnote\bidipoem@p@xfootnote%
5901 \let\@xLTrfootnotenext\bidipoem@p@xLTrftntext%
5902 \let\@xLTrfootnote\bidipoem@p@xLTrfootnote%
5903 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5904 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5905 \ignorespaces##\unskip}&&
5906 \global\setbox\verse@ii=\hbox{%
5907 \let\@footnotetext\bidipoem@p@ftntext%
5908 \let\@LTrfootnotetext\bidipoem@p@LTrftntext%
5909 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5910 \let\@xfootnotenext\bidipoem@p@xftntext%
5911 \let\@xfootnote\bidipoem@p@xfootnote%
5912 \let\@xLTrfootnotenext\bidipoem@p@xLTrftntext%
5913 \let\@xLTrfootnote\bidipoem@p@xLTrfootnote%

```



```

5914 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5915 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5916 \ignorespaces##\unskip}
5917 \cr
5918 }
5919 \def\poem@lineparseend{%
5920 \crr\egroup
5921 \vskip-\baselineskip
5922 }
5923 \def\traditionalpoem@cr{%
5924 \cr\poem@line
5925 }
5926 \newbox\verse@i
5927 \newbox\verse@ii
5928 \newif\ifpoem@started
5929
5930 \def\poem@line{%
5931 \poem@lineparseend
5932 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5933 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5934 \ifpoem@started
5935 \ifdim\wd\verse@ii>\z@\else
5936 \nopagebreak[3]
5937 \fi
5938 \leavevmode
5939 \poem@linebegin
5940 \poem@verse\verse@i
5941 \ifdim\wd\verse@ii>\z@
5942 \poem@lineversesep
5943 \poem@verse\verse@ii
5944 \fi
5945 \poem@lineend
5946 % \nopagebreak
5947 \par
5948 \vskip\poemextrabaseskip
5949 \fi
5950 \poem@lineparsebegin
5951 }
5952 \def\@traditionalpoem{%
5953 \stepcounter{poem@no}
5954 \ifnum\max@poem@no<\number\c@poem@no%
5955 \xdef\poem@width{\z@}%
5956 \else
5957 \xdef\poem@width{\poem@prop{poem@width}}%
5958 \fi
5959 \xdef\new@poem@width{\z@}%
5960 \global\versewidth=\poem@width
5961 \poemskip\par
5962 \begingroup
5963 \tabskip=\z@

```



```

5964 \parskip=\z@
5965 \parindent=\z@
5966 \parfillskip=\z@
5967 \rightskip=\z@
5968 \leftskip=\z@
5969 \widowpenalty=10000% No break between verses of the same line.
5970 \clubpenalty=10000% Same as above. Not really needed.
5971 \def\newblock{\hfil\poemblocksep\hfil\null}%
5972 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5973 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5974 \global\poem@startedfalse
5975 \csname poem@obeylines\endcsname
5976 \let\poem@obeylines\relax
5977 \poem@lineparsebegin
5978 }
5979 \def\@endtraditionalpoem{%
5980 \cr
5981 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5982 \noalign{%
5983 \skip0=\poemextrabaseskip
5984 \vskip-\skip0
5985 \vskip-\baseskip
5986 }%
5987 \fi\fi
5988 \poem@lineparseend
5989 \endgroup
5990 \par
5991 \vskip\baseskip
5992 \poemskip
5993 \if@nparlist \else
5994 \ifdim\lastskip >\z@
5995 \@tempskipa\lastskip \vskip -\lastskip
5996 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5997 \vskip\@tempskipa
5998 \fi
5999 \@endparenv
6000 \fi
6001 \ifdim\new@poem@width<\poem@width
6002 \global\let\poem@needrun\relax
6003 \fi
6004 \poem@write@aux{\poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
6005 \ifx\AtEndDocument\undefined\poem@finish\fi
6006 }
6007
6008
6009 \long\def\bidipoem@p@ftntext#1{%
6010 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
6011 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
6012 \long\def\bidipoem@p@LTRftntext#1{%
6013 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%

```



```

6014 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6015 \long\def\bidipoem@p@RTLftntext#1{%
6016 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}
6017 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6018
6019 \long\def\bidipoem@p@xftntext[#1]#2{%
6020 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
6021
6022 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6023 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
6024
6025 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6026 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
6027
6028 \def\bidipoem@p@xfootnote[#1]{%
6029 \begingroup
6030 \csname c@\@mpfn\endcsname #1\relax
6031 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6032 \endgroup
6033 \@footnotemark\bidipoem@p@xftntext[#1]}
6034
6035 \def\bidipoem@p@xLTRfootnote[#1]{%
6036 \begingroup
6037 \csname c@\@mpfn\endcsname #1\relax
6038 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6039 \endgroup
6040 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6041
6042 \def\bidipoem@p@xRTLfootnote[#1]{%
6043 \begingroup
6044 \csname c@\@mpfn\endcsname #1\relax
6045 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6046 \endgroup
6047 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6048
6049
6050
6051 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6052 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
6053 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6054 \def\poem@finish{%
6055 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6056 \ifx\poem@needrun\relax
6057 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6058 \global\let\poem@needrun\undefined
6059 \fi
6060 }
6061 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6062 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6063 \ifx\max@poem@no\undefined

```



```

6064         \def\max@poem@no{0}%
6065 \fi
6066 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral@c@poem@no}}
6067 \newcommand{\poem@write@aux}[2]{%
6068     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6069     \@x
6070 }
6071 \def\@modernpoem{%
6072 \par
6073 \begingroup
6074 \parskip=\z@
6075 \parindent=\z@
6076 \def\[{ \settab\@tabplus\ignorespaces}%
6077 \def\] { \tabminus\ignorespaces}%
6078 \def\newblock{\poemblocksep}%
6079 \let\newpoem@tabcr\@tabcr
6080 \def\modernpoem@par{% Redefine \par for possible \obeylines
6081 \ifpoem@started\else
6082 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6083 \@stopfield
6084 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6085 \@contfield
6086 \fi
6087 \fi
6088 \ifpoem@started\newpoem@tabcr\fi}%
6089 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6090 \global\poem@startedfalse
6091 \csname poem@obeylines\endcsname
6092 \let\poem@obeylines\relax
6093 \begin{tabbing}%
6094 }
6095 \def\@endmodernpoem{%
6096 \global\poem@startedfalse
6097 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6098 \@stopfield
6099 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6100 \@contfield
6101 \fi
6102 \ifpoem@started\else\let\@stopline\@stopfield\fi
6103 \end{tabbing}%
6104 \endgroup
6105 \par
6106 \if@nparlist \else
6107 \ifdim\lastskip >\z@
6108 \@tempkipa\lastskip \vskip -\lastskip
6109 \advance\@tempkipa\parskip \advance\@tempkipa -\@outerparskip
6110 \vskip\@tempkipa
6111 \fi
6112 \@endparenv
6113 \fi

```




```

6114 }
6115 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6116 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
6117 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6118 \gdef\@startfield{%
6119 \global\setbox\@curfield\hbox\bgroup%
6120 \let\@footnotetext\bidipoem@p@ftntext%
6121 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6122 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6123 \let\@xfootnotenext\bidipoem@p@xftntext%
6124 \let\@xfootnote\bidipoem@p@xfootnote%
6125 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6126 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6127 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6128 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6129 \color@begingroup}
6130 \gdef\@stopfield{%
6131 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6132 \gdef\@contfield{%
6133 \global\setbox\@curfield\hbox\bgroup%
6134 \let\@footnotetext\bidipoem@p@ftntext%
6135 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6136 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6137 \let\@xfootnotenext\bidipoem@p@xftntext%
6138 \let\@xfootnote\bidipoem@p@xfootnote%
6139 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6140 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6141 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6142 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6143 \color@begingroup\unhbox\@curfield}

```

30 File boek3-xetex-bidi.def

```

6144 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6145 \renewenvironment{theindex}{%
6146 \if@twocolumn
6147 \@restonecolfalse
6148 \else
6149 \@restonecoltrue
6150 \fi
6151 \columnseprule \z@
6152 \columnsep 35\p@
6153 \twocolumn[\@makeschapterhead{\indexname}]{%
6154 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
6155 \thispagestyle{plain}\parindent\z@
6156 \parskip\z@ \@plus .3\p@\relax
6157 \let\item\@idxitem
6158 }{%
6159 \if@restonecol\onecolumn\else\clearpage\fi}
6160 \renewcommand*{\head@style}{%

```



```

6161 \interlinepenalty \@M
6162 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6163 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6164 \renewcommand*\@regtocline[3]{%
6165 \ifnum #1>\c@tocdepth
6166 \else
6167 \vskip\z@ \@plus.2\p@
6168 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
6169 \if@RTL\rightskip\else\leftskip\fi\unitindent
6170 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6171 \parfillskip\z@
6172 \@tempdima\unitindent
6173 \parindent\z@
6174 \leavevmode
6175 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6176 \hskip 1em \nobreak{\slshape #3}\par
6177 }%
6178 \fi}
6179 \if@oldtoc
6180 \renewcommand*\l@part[2]{%
6181 \ifnum \c@tocdepth >-2\relax
6182 \addpenalty{-\@highpenalty}%
6183 \addvspace{2.25em \@plus\p@}%
6184 \begingroup
6185 \setlength\@tempdima{3em}%
6186 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6187 \parfillskip -\@pnumwidth
6188 {\leavevmode
6189 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6190 \nobreak
6191 \global\@nobreaktrue
6192 \everypar{\global\@nobreakfalse\everypar{}}%
6193 \endgroup
6194 \fi}
6195 \else
6196 \renewcommand*\l@part{%
6197 \ifnum \c@tocdepth >-2\relax
6198 \addpenalty{-\@highpenalty}%
6199 \addvspace{2.25em \@plus \p@}%
6200 \@regtocline{0}%
6201 \fi}
6202 \fi
6203 \if@oldtoc
6204 \renewcommand*\l@chapter[2]{%
6205 \addpenalty{-\@highpenalty}%
6206 \vskip 1.0em \@plus\p@
6207 \setlength\@tempdima{1.5em}%
6208 \begingroup
6209 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6210 \parfillskip -\@pnumwidth

```



```

6211 \leavevmode \bfseries
6212 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6213 \hskip -\if@RTL\rightskip\else\leftskip\fi
6214 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6215 \penalty\@highpenalty
6216 \endgroup}
6217 \else
6218 \renewcommand*\l@chapter{\@regtocline{0}}
6219 \fi
6220 \renewenvironment{abstract}{%
6221 \titlepage
6222 \null\vfil
6223 \section*{\SectFont \abstractname}
6224 \noindent\ignorespaces}
6225 {\par\vfil\null\endtitlepage}
6226 \renewenvironment{thebibliography}[1]
6227 {\chapter*{\bibname}%
6228 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6229 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6230 \bidi@thebibliography@font@hook%
6231 \list{\@biblabel{\@arabic\c@enumiv}}%
6232 {\settowidth\labelwidth{\@biblabel{#1}}%
6233 \leftmargin\labelwidth
6234 \advance\leftmargin\labelsep
6235 \openbib@code
6236 \usecounter{enumiv}%
6237 \let\p@enumiv\@empty
6238 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6239 \sloppy\clubpenalty4000\widowpenalty4000%
6240 \sfcode`.\@m}
6241 {\def\@noitemerr
6242 {\@latex@warning{Empty `thebibliography' environment}}%
6243 \endlist}
6244 \renewcommand*\left@footnoterule{%
6245 \kern-3\p@
6246 \kern.5\baselineskip
6247 \hrule\@width\unitindent
6248 \kern.4\baselineskip
6249 }
6250 \renewcommand*\right@footnoterule{%
6251 \kern-3\p@
6252 \kern.5\baselineskip
6253 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6254 \kern.4\baselineskip}
6255 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6256 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6257 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6258 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6259 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6260 \renewcommand*\theequation{%

```



```

6261 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6262 \renewcommand*\thefigure{%
6263   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6264 \renewcommand*\thetable{%
6265   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6266 \renewcommand*\maketitle{%
6267   \begin{titlepage}%
6268     \let\footnotesize\small
6269     \let\rightfootnoterule\relax
6270     \let\leftfootnoterule\relax
6271     \let\textwidth\footnoterule\relax
6272     \let \footnote \thanks
6273     \long\def\@makefnmark##1{\parindent\z@
6274       \def\labelitemi{\textendash}\@revlabeltrue
6275       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6276 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6277 \if@compatibility\setcounter{page}{0}\fi
6278 \null\vfil
6279 \vskip 60\p@
6280 \begin{center}%
6281   \TitleFont
6282   {\LARGE \def\\{\penalty -\@M}
6283     \if@allcaps
6284       \expandafter\uc@nothanks\@title\thanks\relax
6285     \else
6286       \@title
6287     \fi\par}%
6288   \vskip 3em%
6289   {\large
6290     \lineskip .75em \parindent\z@
6291     \begin{tabular}[t]{c}%
6292       \if@allcaps
6293         \expandafter\uc@author\@author\and\relax
6294       \else
6295         \@author
6296       \fi
6297     \end{tabular}\par}%
6298   \vskip 1.5em%
6299   {\large
6300     \if@allcaps
6301       \uppercase\expandafter{\@date}%
6302     \else
6303       \@date
6304     \fi\par}%
6305   \end{center}\par
6306   \@thanks
6307   \vfil\null
6308 \end{titlepage}%
6309 \setcounter{footnote}{0}%
6310 \global\let\thanks\relax

```



```

6311 \global\let\maketitle\relax
6312 \global\let\@thanks\@empty
6313 \global\let\@author\@empty
6314 \global\let\@title\@empty
6315 \global\let\@date\@empty
6316 \global\let\title\relax
6317 \global\let\author\relax
6318 \global\let\date\relax
6319 \global\let\and\relax
6320 }

```

31 File boek-xetex-bidi.def

```

6321 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX e
6322 \renewenvironment{theindex}{%
6323   \if@twocolumn
6324     \@restonecolfalse
6325   \else
6326     \@restonecoltrue
6327   \fi
6328   \columnseprule \z@
6329   \columnsep 35\p@
6330   \twocolumn[\@makeschapterhead{\indexname}]%
6331   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6332   \thispagestyle{plain}\parindent\z@
6333   \parskip\z@ \@plus .3\p@\relax
6334   \let\item\@idxitem
6335 }{%
6336   \if@restonecol\onecolumn\else\clearpage\fi}
6337 \renewcommand*\head@style{%
6338   \interlinepenalty \@M
6339   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6340   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6341 \renewcommand*\@regtocline[3]{%
6342   \ifnum #1>\c@tocdepth
6343   \else
6344     \vskip\z@ \@plus .2\p@
6345     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6346       \if@RTL\rightskip\else\leftskip\fi\unitindent
6347       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6348       \parfillskip\z@
6349       \@tempdima\unitindent
6350       \parindent\z@
6351       \leavevmode
6352       \hbox{\hspace{-\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6353         \hspace{1em\nobreak{\slshape #3}\par
6354       }%
6355     \fi}
6356 \if@oldtoc
6357 \renewcommand*\l@part[2]{%

```



```

6358 \ifnum \c@tocdepth >-2\relax
6359 \addpenalty{-\@highpenalty}%
6360 \addvspace{2.25em \@plus\p@}%
6361 \beginingroup
6362 \setlength\@tempdima{3em}%
6363 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6364 \parfillskip -\@pnumwidth
6365 {\leavevmode
6366 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6367 \nobreak
6368 \global\@nobreaktrue
6369 \everypar{\global\@nobreakfalse\everypar{}}%
6370 \endgroup
6371 \fi}
6372 \else
6373 \renewcommand*\l@part{%
6374 \ifnum \c@tocdepth >-2\relax
6375 \addpenalty{-\@highpenalty}%
6376 \addvspace{2.25em \@plus\p@}%
6377 \@regtocline{0}%
6378 \fi}
6379 \fi
6380 \if@oldtoc
6381 \renewcommand*\l@chapter[2]{%
6382 \addpenalty{-\@highpenalty}%
6383 \vskip 1.0em \@plus\p@
6384 \setlength\@tempdima{1.5em}%
6385 \beginingroup
6386 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6387 \parfillskip -\@pnumwidth
6388 \leavevmode \bfseries
6389 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6390 \hskip -\if@RTL\rightskip\else\leftskip\fi
6391 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6392 \penalty\@highpenalty
6393 \endgroup}
6394 \else
6395 \renewcommand*\l@chapter{\@regtocline{0}}
6396 \fi
6397 \renewcommand*\left@footnoterule{%
6398 \kern-3\p@
6399 \kern.5\baselineskip
6400 \hrule\@width\unitindent
6401 \kern.4\baselineskip
6402 }
6403 \renewcommand*\right@footnoterule{%
6404 \kern-3\p@
6405 \kern.5\baselineskip
6406 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6407 \kern.4\baselineskip}

```



```

6408 \renewenvironment{abstract}{%
6409     \titlepage
6410     \null\vfil
6411     \section*{\SectFont \abstractname}
6412     \noindent\ignorespaces}
6413 { \par\vfil\null\endtitlepage}
6414 \renewenvironment{thebibliography}[1]
6415 { \chapter*{\bibname}%
6416     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6417     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6418     \bidi@thebibliography@font@hook%
6419     \list{\@biblabel{\@arabic\c@enumiv}}%
6420         { \settowidth\labelwidth{\@biblabel{#1}}%
6421           \leftmargin\labelwidth
6422           \advance\leftmargin\labelsep
6423           \@openbib@code
6424           \usecounter{enumiv}%
6425           \let\p@enumiv\@empty
6426           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6427     \sloppy\clubpenalty4000\widowpenalty4000%
6428     \sfcode`\.\@m}
6429 { \def\@noitemerr
6430     { \@latex@warning{Empty `thebibliography' environment}}%
6431     \endlist}
6432 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6433 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6434 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6435 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6436 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6437 \renewcommand*\theequation{%
6438     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6439 \renewcommand*\thefigure{%
6440     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6441 \renewcommand*\thetable{%
6442     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6443 \renewcommand*\maketitle{%
6444     \begin{titlepage}%
6445         \let\footnotesize\small
6446         \let\right@footnoterule\relax
6447         \let\left@footnoterule\relax
6448         \let\textwidth\footnoterule\relax
6449         \let \footnote \thanks
6450         \long\def\@makefnmark##1{\parindent\z@
6451             \def\labelitemi{\textendash}\@revlabeltrue
6452             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6453         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6454         \if@compatibility\setcounter{page}{0}\fi
6455         \null\vfil
6456         \vskip 60\p@
6457         \begin{center}%

```



```

6458 \TitleFont
6459 {\LARGE \def\\{\penalty -\@M}
6460 \if@allcaps
6461 \expandafter\uc@nothanks\@title\thanks\relax
6462 \else
6463 \@title
6464 \fi\par}%
6465 \vskip 3em%
6466 {\large
6467 \lineskip .75em \parindent\z@
6468 \begin{tabular}[t]{c}%
6469 \if@allcaps
6470 \expandafter\uc@authornothanks\@author\and\relax
6471 \else
6472 \@author
6473 \fi
6474 \end{tabular}\par}%
6475 \vskip 1.5em%
6476 {\large
6477 \if@allcaps
6478 \uppercase\expandafter{\@date}%
6479 \else
6480 \@date
6481 \fi\par}%
6482 \end{center}\par
6483 \@thanks
6484 \vfil\null
6485 \end{titlepage}%
6486 \setcounter{footnote}{0}%
6487 \global\let\thanks\relax
6488 \global\let\maketitle\relax
6489 \global\let\@thanks\@empty
6490 \global\let\@author\@empty
6491 \global\let\@title\@empty
6492 \global\let\@date\@empty
6493 \global\let\title\relax
6494 \global\let\author\relax
6495 \global\let\date\relax
6496 \global\let\and\relax
6497 }

```

32 File bookest-xetex-bidi.def

```

6498 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6499 \def\@makechapterhead#1{%
6500 \vspace*{20\p@}
6501 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6502 \ifnum \c@secnumdepth >\m@ne
6503 \if@mainmatter
6504 {\colorA\huge\scshape \@chapapp\space \thechapter}

```




```

6505         \par\nobreak
6506         \vskip 10\p@
6507     \fi
6508 \fi
6509 \interlinepenalty\@M
6510 {\colorB\hrule}
6511 \vskip 15\p@
6512 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6513     {\colorA\Huge \bfseries #1}\par\nobreak
6514 \if@RTL\end{flushleft}\else\end{flushright}\fi
6515 \vskip 5\p@
6516 {\colorB\hrule}
6517 \vskip 30\p@
6518 }}
6519 \def\@makeschapterhead#1{%
6520     \vspace*{20\p@}
6521     {\parindent \z@ \raggedright \normalfont
6522     {\colorB\hrule}
6523     \vskip 15\p@
6524     \begin{center}
6525         {\colorA\Huge \bfseries #1}\par\nobreak
6526     \end{center}
6527     \vskip 5\p@
6528     {\colorB\hrule}
6529     \vskip 30\p@
6530     }}

```

33 File book-xetex-bidi.def

```

6531 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6532 \renewenvironment{theindex}
6533     {\if@twocolumn
6534         \@restonecolfalse
6535     \else
6536         \@restonecoltrue
6537     \fi
6538     \columnseprule \z@
6539     \columnsep 35\p@
6540     \twocolumn[\@makeschapterhead{\indexname}]%
6541     \@mkboth{\MakeUppercase\indexname}%
6542             {\MakeUppercase\indexname}%
6543     \thispagestyle{plain}\parindent\z@
6544     \parskip\z@ \@plus .3\p@\relax
6545     \let\item\@idxitem}
6546     {\if@restonecol\onecolumn\else\clearpage\fi}
6547 \@ifclassloaded{bookest}{-}{%
6548     \if@titlepage
6549     \renewcommand\maketitle{\begin{titlepage}%
6550     \let\footnotesize\small
6551     \let\right@footnoterule\relax

```



```

6552 \let\left@footnoterule\relax
6553 \let\textwidth@footnoterule\relax
6554 \let \footnote \thanks
6555 \let \LTRfootnote \LTRthanks
6556 \let \RTLfootnote \RTLthanks
6557 \null\vfil
6558 \vskip 60\p@
6559 \begin{center}%
6560   {\LARGE \@title \par}%
6561   \vskip 3em%
6562   {\large
6563     \lineskip .75em%
6564     \begin{tabular}[t]{c}%
6565       \@author
6566     \end{tabular}\par}%
6567     \vskip 1.5em%
6568     {\large \@date \par}%           % Set date in \large size.
6569 \end{center}\par
6570 \@thanks
6571 \vfil\null
6572 \end{titlepage}%
6573 \setcounter{footnote}{0}%
6574 \global\let\thanks\relax
6575 \global\let\LTRthanks\relax
6576 \global\let\RTLthanks\relax
6577 \global\let\maketitle\relax
6578 \global\let\@thanks\@empty
6579 \global\let\@author\@empty
6580 \global\let\@date\@empty
6581 \global\let\@title\@empty
6582 \global\let\title\relax
6583 \global\let\author\relax
6584 \global\let\date\relax
6585 \global\let\and\relax
6586 }
6587 \else
6588 \renewcommand\maketitle{\par
6589   \begingroup
6590     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6591     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6592     \long\def\@makefntext##1{\parindent 1em\noindent
6593       \hb@xt@1.8em{%
6594         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6595     \if@twocolumn
6596       \ifnum \col@number=\@ne
6597         \@maketitle
6598       \else
6599         \twocolumn[\@maketitle]%
6600       \fi
6601     \else

```



```

6602     \newpage
6603     \global\@topnum\z@    % Prevents figures from going at top of page.
6604     \@maketitle
6605     \fi
6606     \thispagestyle{plain}\@thanks
6607 \endgroup
6608 \setcounter{footnote}{0}%
6609 \global\let\thanks\relax
6610 \global\let\LTRthanks\relax
6611 \global\let\RTLthanks\relax
6612 \global\let\maketitle\relax
6613 \global\let\@maketitle\relax
6614 \global\let\@thanks\@empty
6615 \global\let\@author\@empty
6616 \global\let\@date\@empty
6617 \global\let\@title\@empty
6618 \global\let\title\relax
6619 \global\let\author\relax
6620 \global\let\date\relax
6621 \global\let\and\relax
6622 }
6623 \def\@maketitle{%
6624     \newpage
6625     \null
6626     \vskip 2em%
6627     \begin{center}%
6628         \let \footnote \thanks
6629         \let \LTRfootnote \LTRthanks
6630         \let \RTLfootnote \RTLthanks
6631         {\LARGE \@title \par}%
6632         \vskip 1.5em%
6633         {\large
6634             \lineskip .5em%
6635             \begin{tabular}[t]{c}%
6636                 \@author
6637             \end{tabular}\par}%
6638         \vskip 1em%
6639         {\large \@date}%
6640     \end{center}%
6641     \par
6642     \vskip 1.5em}
6643 \fi}
6644 \renewcommand*\l@part[2]{%
6645     \ifnum \c@tocdepth >-2\relax
6646         \addpenalty{-\@highpenalty}%
6647         \addvspace{2.25em \@plus\p@}%
6648         \setlength\@tempdima{3em}%
6649         \begin{group
6650             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6651             \parfillskip -\@pnumwidth

```



```

6652     {\leavevmode
6653       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6654       \nobreak
6655       \global\@nobreaktrue
6656       \everypar{\global\@nobreakfalse\everypar{}}%
6657     \endgroup
6658   \fi}
6659 \renewcommand*\l@chapter[2]{%
6660   \ifnum \c@tocdepth >\m@ne
6661     \addpenalty{-\@highpenalty}%
6662     \vskip 1.0em \@plus\p@
6663     \setlength\@tempdima{1.5em}%
6664     \begingroup
6665       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6666       \parfillskip -\@pnumwidth
6667       \leavevmode \bfseries
6668       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6669       \hskip -\if@RTL\rightskip\else\leftskip\fi
6670       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6671       \penalty\@highpenalty
6672     \endgroup
6673   \fi}
6674 \renewcommand\left@footnoterule{%
6675   \kern-3\p@
6676   \hrule\@width.4\columnwidth
6677   \kern2.6\p@}
6678 \renewcommand\right@footnoterule{%
6679   \kern-3\p@
6680   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6681   \kern2.6\p@}
6682 \renewcommand\theequation
6683   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6684 \renewcommand \thefigure
6685   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6686 \renewcommand \thetable
6687   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6688 \renewcommand \thechapter {\@arabic\c@chapter}
6689 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6690 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6691 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6692 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6693 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6694 \def\@makechapterhead#1{%
6695   \vspace*{50\p@}%
6696   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6697     \ifnum \c@secnumdepth >\m@ne
6698       \if@mainmatter
6699         \huge\bfseries \@chapapp\space \thechapter
6700         \par\nobreak
6701         \vskip 20\p@

```



```

6702     \fi
6703     \fi
6704     \interlinepenalty\@M
6705     \Huge \bfseries #1\par\nobreak
6706     \vskip 40\p@
6707   }}
6708 \def\@makeschapterhead#1{%
6709   \vspace*{50\p@}%
6710   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6711     \normalfont
6712     \interlinepenalty\@M
6713     \Huge \bfseries #1\par\nobreak
6714     \vskip 40\p@
6715   }}
6716 \renewcommand\backmatter{%
6717   \if@openright
6718     \cleardoublepage
6719   \else
6720     \clearpage
6721   \fi
6722   \@mainmatterfalse}
6723 \renewenvironment{thebibliography}[1]
6724   {\chapter*{\bibname}%
6725     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6726     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6727     \bidi@thebibliography@font@hook%
6728     \list{\@biblabel{\@arabic{c@enumiv}}}%
6729       {\settowidth\labelwidth{\@biblabel{#1}}%
6730         \leftmargin\labelwidth
6731         \advance\leftmargin\labelsep
6732         \@openbib@code
6733         \usecounter{enumiv}%
6734         \let\p@enumiv\@empty
6735         \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
6736     \sloppy
6737     \clubpenalty4000
6738     \@clubpenalty \clubpenalty
6739     \widowpenalty4000%
6740     \sfcode`.\@m}
6741   {\def\@noitemerr
6742     {\@latex@warning{Empty `thebibliography' environment}}%
6743     \endlist}

```

34 File breqn-xetex-bidi.def

```

6744 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6745 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6746   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6747   \if@noskipsec \leavevmode \fi
6748   \if@inlabel \leavevmode \global\@inlabelfalse \fi

```



```

6749 \if\eq@group\else\eq@prelim\fi
6750 \setkeys{breqn}{#1}%
6751 \the\eqstyle
6752 \eq@setnumber
6753 \begingroup
6754 \eq@setup@a
6755 \eq@startup
6756 }
6757 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6758 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6759 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6760 \global\let\GRP@label\@empty
6761 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6762 \global\grp@linewidth\z@\global\grp@wdNum\z@
6763 \global\let\grp@eqs@numbered\@False
6764 \global\let\grp@aligned\@True
6765 \global\let\grp@shiftnumber\@False
6766 \eq@prelim
6767 \setkeys{breqn}{#1}%
6768 \if\grp@hasNumber \grp@setnumber \fi
6769 }
6770 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6771 \let\display@setup\dseries@display@setup
6772 % Question: should this be the default for dseries???
6773 \global\eq@wdCond\z@
6774 \@dmath[layout={M},#1]%
6775 \mathsurround\z@\@math \penalty\@Mi
6776 \let\endmath\ends@math
6777 \def\premath{%
6778 \ifdim\lastskip<.3em \unskip
6779 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6780 }%
6781 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6782 \ignorespaces
6783 }
6784 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
6785 \renewenvironment{dsuspend}{%
6786 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6787 \parshape 1 \displayindent \displaywidth\relax
6788 \hsize=\columnwidth \noindent\ignorespaces
6789 }{%
6790 \par\egroup
6791 \global\setbox\GRP@box\vbox{%
6792 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
6793 \unvbox\GRP@box
6794 }%
6795 \global\GRP@queue\@xp{\the\GRP@queue
6796 \@elt{\let\eq@isIntertext\@True}%
6797 }%
6798 }

```



35 File cals-xetex-bidi.def

```

6799 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
6800 \renewcommand\cals@setup@alignment[1]{%
6801 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6802 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6803 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6804 }
6805 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
6806 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6807 \if@RTLtab\cals@activate@rtl\fi
6808 \let\cals@thead@tokens=\relax
6809 \let\cals@tfoot@tokens=\relax
6810 \let\cals@tbreak@tokens=\relax
6811 \cals@tfoot@height=0pt \relax
6812 \let\cals@last@context=n%
6813 \let\cals@current@context=b%
6814 \parindent=0pt \relax%
6815 \cals@setup@alignment{#1}%
6816 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
6817 %% Alignment inside is independent on center/flushright outside
6818 \parfillskip=0pt plus1fil\relax
6819 \let\cals@borderL=\relax
6820 \let\cals@borderR=\relax
6821 \let\cals@borderT=\relax
6822 \let\cals@borderB=\relax
6823 \setbox\cals@backup@row=\box\voidb@x\relax
6824 \cals@AtBeginTable
6825 }{% End of the table
6826 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6827 \renewcommand\alignL{%
6828 \if@RTLtab
6829 \cals@vfillAdd\cals@paddingL
6830 \else
6831 \cals@vfillDrop\cals@paddingL
6832 \fi
6833 \cals@vfillDrop\cals@paddingR}
6834 \renewcommand\alignR{%
6835 \if@RTLtab
6836 \cals@vfillDrop\cals@paddingL
6837 \else
6838 \cals@vfillAdd\cals@paddingL
6839 \fi
6840 \cals@vfillDrop\cals@paddingR}

```

36 File caption-xetex-bidi.def

```

6841 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for XeTeX]
6842 \let\@makecaption\caption@makecaption

```



37 File caption3-xetex-bidi.def

```
6843 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package]
6844 \renewcommand*\caption@par{%
6845   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%
```

38 File colortbl-xetex-bidi.def

```
6846 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
6847 \def\CT@setup{%
6848   \@tempdimb\col@sep
6849   \@tempdimc\col@sep
6850   \def\CT@color{%
6851     \global\let\CT@do@color\CT@@do@color
6852     \bidicolor}}
6853 \def\@classz{\@classx
6854   \@tempcnta\count@
6855   \prepnext@tok
6856   \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6857   \@addtopreamble{\if@RTLtab\beginL\fi%
6858     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6859     \ifcase \@chnum
6860       \hskip\stretch{.5}\kern\z@
6861       \d@llarbegin
6862       \insert@column
6863       \d@llarend\hskip\stretch{.5}\or
6864       \d@llarbegin \insert@column \d@llarend \hfill \or
6865       \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6866     $\vcenter
6867     \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6868     \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6869     \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6870     \fi
6871     \if@RTLtab\endR\fi\egroup\egroup
6872   \begingroup
6873     \CT@setup
6874     \CT@column@color
6875     \CT@row@color
6876     \CT@cell@color
6877     \CT@do@color
6878   \endgroup
6879   \@tempdima\ht\z@
6880   \advance\@tempdima\minrowclearance
6881   \vrule\@height\@tempdima\@width\z@
6882   \unhbox\z@\if@RTLtab\endL\fi}%
6883   \prepnext@tok}
```

39 File color-xetex-bidi.def

```
6884 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe]
```




```

6885 \long\def\color@b@x#1#2#3{%
6886 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6887 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6888 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6889 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6890 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6891 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
6892 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6893 \DeclareRobustCommand\color{%
6894 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}%
6895 \def\@declaredcolor#1{%
6896 \@ifundefined{string\color @#1}%
6897 {\c@lor@error{`#1'}}%
6898 {\expandafter\let\expandafter\current@color
6899 \csname string\color @#1\endcsname
6900 \set@color}%
6901 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6902 \def\@undeclaredcolor[#1]#2{%
6903 \@ifundefined{color@#1}%
6904 {\c@lor@error{model `#1'}}%
6905 {\csname color@#1\endcsname\current@color{#2}%
6906 \set@color}%
6907 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6908 \DeclareRobustCommand\bidicolor{%
6909 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
6910 \def\@bidiundeclaredcolor[#1]#2{%
6911 \@ifundefined{color@#1}%
6912 {\c@lor@error{model `#1'}}%
6913 {\csname color@#1\endcsname\current@color{#2}%
6914 \set@color}%
6915 \ignorespaces}
6916 \def\@bidideclaredcolor#1{%
6917 \@ifundefined{string\color @#1}%
6918 {\c@lor@error{`#1'}}%
6919 {\expandafter\let\expandafter\current@color
6920 \csname string\color @#1\endcsname
6921 \set@color}%
6922 \ignorespaces}
6923 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6924 \def\color@fbbox#1#2#3{%
6925 \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
6926 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

40 File combine-xetex-bidi.def

```

6927 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for ]
6928 \renewcommand{\c@ll@chapsecii}[2]{%
6929 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6930 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6931 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```



```

6932 }
6933 \renewcommand{\c@ll@chapseci}{%
6934   \setlength\@tempdima{0em}%
6935   \begin{group}
6936     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6937     \parfillskip -\@pnumwidth
6938     \leavevmode
6939   }
6940 \renewenvironment{tocindent}[1]{%
6941   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

41 File crop-xetex-bidi.def

```

6942 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
6943 \renewcommand*\CROP@ulc{%
6944   \if@RTLmain%
6945     \begin{picture}(0,0)
6946       \unitlength\p@\thinlines
6947       \put(-40,0){\circle{10}}
6948       \put(-30,-5){\line(0,1){10}}
6949       \put(-35,0){\line(1,0){30}}
6950       \put(-10,30){\circle{10}}
6951       \put(-5,30){\line(1,0){10}}
6952       \put(0,35){\line(0,-1){30}}
6953     \end{picture}%
6954   \else%
6955     \begin{picture}(0,0)
6956       \unitlength\p@\thinlines
6957       \put(-30,0){\circle{10}}
6958       \put(-30,-5){\line(0,1){10}}
6959       \put(-35,0){\line(1,0){30}}
6960       \put(0,30){\circle{10}}
6961       \put(-5,30){\line(1,0){10}}
6962       \put(0,35){\line(0,-1){30}}
6963     \end{picture}%
6964   \fi%
6965 }
6966 \renewcommand*\CROP@urc{%
6967   \if@RTLmain%
6968     \begin{picture}(0,0)
6969       \unitlength\p@\thinlines
6970       \put(20,0){\circle{10}}
6971       \put(30,-5){\line(0,1){10}}
6972       \put(35,0){\line(-1,0){30}}
6973       \put(-10,30){\circle{10}}
6974       \put(-5,30){\line(1,0){10}}
6975       \put(0,35){\line(0,-1){30}}
6976     \end{picture}%
6977   \else%
6978     \begin{picture}(0,0)

```



```

6979         \unitlength\p@\thinlines
6980         \put(30,0){\circle{10}}
6981         \put(30,-5){\line(0,1){10}}
6982         \put(35,0){\line(-1,0){30}}
6983         \put(0,30){\circle{10}}
6984         \put(-5,30){\line(1,0){10}}
6985         \put(0,35){\line(0,-1){30}}
6986     \end{picture}%
6987     \fi%
6988 }
6989 \renewcommand*\CROP@llc{%
6990     \if@RTLmain%
6991         \begin{picture}(0,0)
6992             \unitlength\p@\thinlines
6993             \put(-40,0){\circle{10}}
6994             \put(-30,-5){\line(0,1){10}}
6995             \put(-35,0){\line(1,0){30}}
6996             \put(-10,-30){\circle{10}}
6997             \put(-5,-30){\line(1,0){10}}
6998             \put(0,-35){\line(0,1){30}}
6999         \end{picture}%
7000     \else%
7001         \begin{picture}(0,0)
7002             \unitlength\p@\thinlines
7003             \put(-30,0){\circle{10}}
7004             \put(-30,-5){\line(0,1){10}}
7005             \put(-35,0){\line(1,0){30}}
7006             \put(0,-30){\circle{10}}
7007             \put(-5,-30){\line(1,0){10}}
7008             \put(0,-35){\line(0,1){30}}
7009         \end{picture}%
7010     \fi%
7011 }
7012 \renewcommand*\CROP@llrc{%
7013     \if@RTLmain%
7014         \begin{picture}(0,0)
7015             \unitlength\p@\thinlines
7016             \put(20,0){\circle{10}}
7017             \put(30,-5){\line(0,1){10}}
7018             \put(35,0){\line(-1,0){30}}
7019             \put(-10,-30){\circle{10}}
7020             \put(-5,-30){\line(1,0){10}}
7021             \put(0,-35){\line(0,1){30}}
7022         \end{picture}%
7023     \else%
7024         \begin{picture}(0,0)
7025             \unitlength\p@\thinlines
7026             \put(30,0){\circle{10}}
7027             \put(30,-5){\line(0,1){10}}
7028             \put(35,0){\line(-1,0){30}}

```



```

7029      \put(0,-30){\circle{10}}
7030      \put(-5,-30){\line(1,0){10}}
7031      \put(0,-35){\line(0,1){30}}
7032      \end{picture}%
7033      \fi%
7034    }
7035    \ifpackagewith{crop}{cam}{%
7036      \CROP@exectopt{cam}%
7037    }{}

```

42 File cutwin-xetex-bidi.def

```

7038 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for X]
7039 \renewcommand*{\c@twcompctr}[2]{%
7040   \def\c@twfirst{1}
7041   \loop\advance\c@twwinlines\m@ne
7042   \setbox\c@twslicea=\vsplit#1 to\baselineskip
7043   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7044   \c@twprune{\c@twslicea}{\c@twlftside}%
7045   \c@twprune{\c@twsliceb}{\c@twrtside}%
7046   \ifnum\c@twfirst=\@ne
7047     \setbox#2=\vbox{\unvbox#2\hbox
7048       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
7049   \else
7050     \setbox#2=\vbox{\unvbox#2\hbox
7051       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
7052   \fi
7053   \def\c@twfirst{2}
7054   \ifnum\c@twwinlines>\z@\repeat{
7055 \renewcommand*{\c@twcompoddctr}[2]{%
7056   \def\c@twrounds{1}
7057   \def\c@twfirst{1}
7058   \@for\c@twlspec:=\c@twb\do{%
7059     \ifnum\c@twrounds=1
7060       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7061       \c@twprune{\c@twslicea}{\c@twlspec}%
7062       \def\c@twrounds{2}
7063     \else
7064       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7065       \c@twprune{\c@twsliceb}{\c@twlspec}%
7066       \ifnum\c@twfirst=1
7067         \setbox#2=\vbox{\unvbox#2\hbox
7068           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
7069         \def\c@twfirst{2}
7070       \else
7071         \setbox#2=\vbox{\unvbox#2\hbox
7072           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
7073       \fi
7074       \def\c@twrounds{1}
7075     \fi}}

```



43 File cuted-xetex-bidi.def

```

7076 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for Xe
7077
7078 \def\RTL@outputdblcol{%
7079   \if@firstcolumn
7080     \global\@firstcolumnfalse
7081     \global\setbox\@leftcolumn\copy\@outputbox
7082     \splitmaxdepth\maxdimen
7083     \vbadness\maxdimen
7084     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7085     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7086     \toks@{\expandafter{\topmark}}%
7087     \xdef\@firstcoltopmark{\the\toks@}%
7088     \toks@{\expandafter{\splitfirstmark}}%
7089     \xdef\@firstcolfirstmark{\the\toks@}%
7090     \ifx\@firstcolfirstmark\@empty
7091       \global\let\@setmarks\relax
7092     \else
7093       \gdef\@setmarks{%
7094         \let\firstmark\@firstcolfirstmark
7095         \let\topmark\@firstcoltopmark}%
7096     \fi
7097   \else
7098     \global\@firstcolumntrue
7099     \setbox\@outputbox\vbox{%
7100       \hb@xt@\textwidth{%
7101         \hskip \columnwidth
7102         \hfil
7103         {\normalcolor\vrule \@width\columnseprule}%
7104         \hfil
7105         \hb@xt@\columnwidth{%
7106           \bidi@firstcolumn@status@write%
7107           \box\@leftcolumn \hss}%
7108           \hskip -\textwidth
7109           \hb@xt@\columnwidth{%
7110             \bidi@lastcolumn@status@write%
7111             \box\@outputbox \hss}%
7112             \hskip \columnsep
7113             \hskip \columnwidth }}%
7114     \ifvoid\hold@viper
7115     \else
7116       \setbox\@outputbox \vbox to\textheight{%
7117         \box\hold@viper
7118         \box\@outputbox
7119         \vss
7120       }%
7121     \fi
7122   \@combinedblfloats
7123   \@setmarks

```



```

7124 \@outputpage
7125 \beginingroup
7126   \@dblfloatplacement
7127   \@startdblcolumn
7128   \@whiles\if@fcolmade \fi{\@outputpage
7129   \@startdblcolumn}%
7130   \ifvoid\@viper
7131   \else
7132     \global\setbox\@viper\vbox{%
7133       \vskip-\stripsep
7134       \unvbox\@viper
7135     }%
7136     \@viperoutput
7137   \fi
7138 \endgroup
7139 \fi}%
7140
7141 \def\LTR@outputdblcol{%
7142   \if@firstcolumn
7143     \global\@firstcolumnfalse
7144     \global\setbox\@leftcolumn\copy\@outputbox
7145     \splitmaxdepth\maxdimen
7146     \vbadness\maxdimen
7147     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7148     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7149     \toks@{\expandafter{\topmark}}%
7150     \xdef\@firstcoltopmark{\the\toks@}%
7151     \toks@{\expandafter{\splitfirstmark}}%
7152     \xdef\@firstcolfirstmark{\the\toks@}%
7153     \ifx\@firstcolfirstmark\@empty
7154       \global\let\@setmarks\relax
7155     \else
7156       \gdef\@setmarks{%
7157         \let\firstmark\@firstcolfirstmark
7158         \let\topmark\@firstcoltopmark}%
7159     \fi
7160   \else
7161     \global\@firstcolumntrue
7162     \setbox\@outputbox\vbox{%
7163       \hb@xt@\textwidth{%
7164         \hb@xt@\columnwidth{%
7165           \bidi@firstcolumn@status@write%
7166           \box\@leftcolumn \hss}%
7167         \hfil
7168         {\normalcolor\vrule \@width\columnseprule}%
7169         \hfil
7170         \hb@xt@\columnwidth{%
7171           \bidi@lastcolumn@status@write%
7172           \box\@outputbox \hss}}}%
7173   \ifvoid\hold@viper

```



```

7174 \else
7175 \setbox\@outputbox \vbox to\textheight{%
7176 \box\hold@viper
7177 \box\@outputbox
7178 \vss
7179 }%
7180 \fi
7181 \@combinedblfloats
7182 \@setmarks
7183 \@outputpage
7184 \beginngroup
7185 \@dblfloatplacement
7186 \@startdblcolumn
7187 \@whiles\if@fcolmade \fi{\@outputpage
7188 \@startdblcolumn}%
7189 \ifvoid\@viper
7190 \else
7191 \global\setbox\@viper\vbox{%
7192 \vskip-\stripsep
7193 \unvbox\@viper
7194 }%
7195 \@viperoutput
7196 \fi
7197 \endgroup
7198 \fi}%
7199
7200
7201 \def \@addviper {%
7202 \if@firstcolumn
7203 \@insertfalse
7204 \@reqcolroom .5\@pageht
7205 \ht@viper\@reqcolroom
7206 \advance \@reqcolroom \ht@viper
7207 \advance \@reqcolroom \stripsep
7208 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7209 %%
7210 \@tempdimb \ht@viper
7211 \loop
7212 \setbox\v@aaa\copy\@holdpg
7213 \setbox\v@ccc\vbox to\@tempdimb{%
7214 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7215 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7216 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7217 \loop
7218 \setbox\v@aaa\copy\@holdpg
7219 \setbox\v@ccc\vbox to\@tempdimb{%
7220 \vsplit\v@aaa to\@tempdimb\vss}%
7221 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7222 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7223 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%

```



```

7224 \setbox\v@ccc\vbox to\@tempdimb{%
7225 \vsplit\@holdpg to\@tempdimb\vss}%
7226 %%
7227 \setbox\@tempboxa \vbox {%
7228 \hb@xt@\textwidth {%
7229 \if@RTLmain%
7230 \hskip \columnwidth
7231 \hfil \vrule width\columnseprule \hfil
7232 \hb@xt@\columnwidth {%
7233 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7234 \hskip -\textwidth
7235 \hb@xt@\columnwidth {%
7236 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7237 \hskip \columnsep
7238 \hskip \columnwidth
7239 \else%
7240 \hb@xt@\columnwidth {%
7241 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7242 \hfil
7243 \vrule \@width\columnseprule
7244 \hfil
7245 \hb@xt@\columnwidth {%
7246 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7247 \fi}%
7248 }%
7249 \ifvoid\hold@viper
7250 \global\setbox\hold@viper \vbox {%
7251 \unvbox\@tempboxa
7252 \penalty\interlinepenalty
7253 \vskip\stripsep
7254 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7255 \outputpenalty \z@
7256 }%
7257 \else
7258 \global\setbox\hold@viper \vbox {%
7259 \unvbox\hold@viper
7260 \unvbox\@tempboxa
7261 \penalty\interlinepenalty
7262 \vskip\stripsep
7263 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7264 \outputpenalty \z@
7265 }%
7266 \fi
7267 \ifdim \@colroom>\@reqcolroom
7268 \global\setbox\hold@viper \vbox {%
7269 \unvbox\hold@viper
7270 \box\@viper
7271 \penalty\interlinepenalty
7272 \vskip\stripsep
7273 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi

```




```

7274         \outputpenalty \z@
7275         }%
7276     \@inserttrue
7277     \advance\@tempdima by-\ht\hold@viper
7278     \global \advance \@colht \@tempdima
7279     \ifdim \@colht<2.5\baselineskip
7280         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7281             too tall on page \thepage (1 stulpelis)}%
7282         \@emptycol
7283         \if@firstcolumn
7284         \else
7285             \@emptycol
7286         \fi
7287         \global\@lastvipertrue
7288     \else
7289         \global \vsize \@colht
7290         \global \@colroom \@colht
7291         \check@floats
7292         \ifdim\@tempdima>\z@
7293             \global\advance\@colroom by-\@tempdima
7294         \fi
7295         \ifdim\@colroom<\z@
7296             \global\@colroom 1pt
7297             \ifdim\@tempdima>\@colht
7298                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7299                     netelpa lape \thepage (1 stulpelis)}%
7300             \fi
7301             \@emptycol
7302             \if@firstcolumn
7303             \else
7304                 \@emptycol
7305             \fi
7306             \global\@lastvipertrue
7307         \fi
7308     \fi
7309 \fi
7310 \else
7311     \@insertfalse
7312     \@reqcolroom\@colht
7313     \advance\@reqcolroom \@pageht
7314     \ht@viper.5\@reqcolroom
7315     \@reqcolroom\ht@viper
7316     \advance \@reqcolroom \ht\@viper
7317     \advance \@reqcolroom \stripsep
7318     \if@flushend@auto@baselineskip
7319         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7320             \global\lastskip@d\lastskip
7321             \global\lastskip@b\lastskip
7322         \loop
7323             \global\lastskip@a\lastskip@b

```



```

7324         \unskip\unpenalty
7325         \global\lastskip@b\lastskip
7326         \global\advance\lastskip@d by\lastskip
7327         \ifdim\lastskip@b=-\lastskip@a
7328         \global\advance\lastskip@d by-\lastskip
7329         \else
7330         \repeat
7331         \ifdim\lastskip@b=-\lastskip@a
7332         \ifdim\lastskip@b=\z@
7333         \setbox\lastbox@a\lastbox
7334         \global\advance\lastskip@d by\ht\lastbox@a
7335         \global\advance\lastskip@d by\lastskip
7336         \unskip\unpenalty
7337         \setbox\lastbox@a\lastbox
7338         \global\advance\lastskip@d by\dp\lastbox@a
7339         \else
7340         \global\lastskip@d\lastskip
7341         \global\advance\lastskip@d by\topskip
7342         \fi
7343         \fi
7344         \global\advance\lastskip@d by-\topskip
7345         }%
7346         \ifdim\ht\@holdpg>\@colht
7347         \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7348         \par\eject
7349         \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7350         }%
7351         \else
7352         \global\setbox\@holdpg\vbox{%
7353         \unvbox\@leftcolumn\unskip\unpenalty
7354         \vskip\lastskip@d
7355         \the\At@ViperColsBreak
7356         \unvbox\@holdpg
7357         \unskip
7358         }%
7359         \fi
7360         \else
7361         \global\setbox\@holdpg\vbox{%
7362         \unvbox\@leftcolumn
7363         \setbox\@tempboxa\lastbox
7364         \on@stripcols@break
7365         \the\At@ViperColsBreak
7366         \unvbox\@holdpg
7367         }%
7368         \fi
7369         \global\At@ViperColsBreak{}%
7370         \ht@viper .5\ht\@holdpg
7371         \ifdim \ht@viper>\@colht
7372         \ht@viper \@colht
7373         \fi

```



```

7374 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7375 %%
7376 \@tempdimb \ht@viper
7377 \loop
7378 \setbox\v@aaa\copy\@holdpg
7379 \setbox\v@ccc\vbox to\@tempdimb{%
7380 \vsplit\v@aaa to\@tempdimb
7381 \vss
7382 \vsplit\v@aaa to\@tempdimb
7383 }%
7384 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7385 \ifvoid\v@aaa
7386 \else
7387 \advance\@tempdimb 1\p@
7388 \repeat
7389 \loop
7390 \setbox\v@aaa\copy\@holdpg
7391 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7392 \wlog{(2)Left:\the\ht\v@ccc\space
7393 Right:\the\ht\v@aaa\space
7394 Output:\the\@tempdimb
7395 }%
7396 \ifdim\ht\v@ccc<\ht\v@aaa
7397 \@tempdimb \the\ht\v@aaa
7398 \repeat
7399 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7400 ^^JRight:\the\ht\v@aaa
7401 ^^JOutput:\the\@tempdimb
7402 }%
7403 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7404 \setbox\@tempboxa\vbox{%
7405 \hb@xt@\textwidth {%
7406 \if@RTLmain%
7407 \hskip \columnwidth
7408 \hfil \vrule width\columnseprule \hfil
7409 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7410 \hskip -\textwidth
7411 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7412 \hskip \columnsep
7413 \hskip \columnwidth
7414 \else
7415 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7416 \hfil
7417 \vrule \@width\columnseprule
7418 \hfil
7419 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7420 \fi%
7421 }%
7422 }%
7423 \ifvoid\hold@viper

```



```

7424     \global\setbox\hold@viper \vbox {%
7425         \unvbox\@tempboxa
7426         \penalty\interlinepenalty
7427         \vskip\stripsep
7428         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7429         \outputpenalty \z@
7430     }%
7431 \else
7432     \global\setbox\hold@viper \vbox {%
7433         \unvbox\hold@viper
7434         \unvbox\@tempboxa
7435         \penalty\interlinepenalty
7436         \vskip\stripsep
7437         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7438         \outputpenalty \z@
7439     }%
7440 \fi
7441 \ifdim \@colht>\@reqcolroom
7442     \global\setbox\hold@viper \vbox {%
7443         \unvbox\hold@viper
7444         \box\@viper
7445         \penalty\interlinepenalty
7446         \vskip\stripsep
7447         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7448         \outputpenalty \z@
7449     }%
7450 \inserttrue
7451 \global\@firstcolumntrue
7452 \advance\@tempdima by-\ht\hold@viper
7453 \global \advance \@colht \@tempdima
7454 \ifdim \@colht<2.5\baselineskip
7455     \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7456                             too tall on page \thepage (2 stulpelis)}%
7457     \@emptycol
7458     \if@firstcolumn
7459     \else
7460         \@emptycol
7461     \fi
7462     \global\@lastvipertrue
7463 \else
7464     \global \vsize \@colht
7465     \global \@colroom \@colht
7466     \check@floats
7467     \ifdim\@tempdima>\z@
7468         \global\advance\@colroom by-\@tempdima
7469     \fi
7470     \ifdim\@colroom<\z@
7471         \global\@colroom 1pt
7472         \ifdim\@tempdima>\@colht
7473             \latex@warning@no@line {TOP ir/ar BOT FLOAT's

```



```

7474                                     netelpla lape \thepage (2 stulpelis)}}%
7475                                     \fi
7476                                     \@emptycol
7477                                     \if@firstcolumn
7478                                     \else
7479                                         \@emptycol
7480                                     \fi
7481                                     \global\@lastvipertrue
7482                                 \fi
7483                             \fi
7484                         \fi
7485                    \fi
7486                \if@insert
7487                \else
7488                    \advance\@tempdima by-\ht\hold@viper
7489                    \global \advance \@colht \@tempdima
7490                    \global\setbox\hold@viper \vbox {%
7491                                            \unvbox\hold@viper
7492                                            \csname viper@top@hook\endcsname
7493                                            \vsplit\@viper to \@colht
7494                                            \vss
7495                                            }%
7496                    \vbox{}}%
7497                    \global\@firstcolumnfalse
7498                    \newpage
7499                \fi
7500            }

```

44 File cvthemebidicasual.sty

```

7501 \NeedsTeXFormat{LaTeX2e}
7502 \ProvidesPackage{cvthemebidicasual}
7503 \DeclareOption{blue}{}
7504 \newif\if@colourorange\@colourorangefalse
7505 \DeclareOption{orange}{\@colourorange>true}
7506 \newif\if@colourgreen\@colourgreenfalse
7507 \DeclareOption{green}{\@colourgreentrue}
7508 \newif\if@colourred\@colourredfalse
7509 \DeclareOption{red}{\@colourredtrue}
7510 \newif\if@colourgrey\@colourgreyfalse
7511 \DeclareOption{grey}{\@colourgreytrue}
7512 \DeclareOption*{
7513     \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7514 \ExecuteOptions{colour}
7515 \ProcessOptions\relax
7516 \renewcommand*{\listitemsymbol}{\textbullet}
7517 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7518 \familynamecolour{808080}
7519 \firstnamecolour{A9A9A9}
7520 \quotecolour{696969}

```



```

7521 \addresscolour{696969}
7522 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7523 \sectiontitlecolour{1E90FF}
7524 \subsectioncolour{4682B4}
7525 \definecolor{rulecolour}{gray}{0.6}
7526 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7527 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7528 \if@colourorange
7529 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7530 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7531 \sectiontitlecolour{FF8C00}
7532 \subsectioncolour{FF8C00}
7533 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7534 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7535 \if@colourgreen
7536 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7537 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7538 \sectiontitlecolour{008000}
7539 \subsectioncolour{008000}
7540 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7541 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7542 \if@coloured
7543 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7544 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7545 \sectiontitlecolour{FF0000}
7546 \subsectioncolour{FF0000}
7547 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7548 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7549 \if@colourgrey
7550 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7551 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7552 \sectiontitlecolour{808080}
7553 \subsectioncolour{808080}
7554 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7555 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7556 \renewcommand*{\ttdefault}{pcr}
7557 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7558 \renewcommand*{\familynamefont}{\firstnamefont}
7559 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7560 \renewcommand*{\quoteftfont}{\large\slshape}
7561 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7562 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7563 \renewcommand*{\maketitle}{%
7564   {%
7565     \ifthenelse{\isundefined{\@photo}}{%
7566       {%
7567         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7568         \hfill%
7569         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7570         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%

```



```

7571 \ifthenelse{\isundefined{\@quote}}{%
7572   {%
7573     \centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[/
7574   }%
7575 \newif\if@firstfooterelement\@firstfooterelementtrue
7576 \providecommand*\footersymbol{}
7577 \renewcommand*\footersymbol{%
7578   \if@firstfooterelement%
7579   \else%
7580     {~~\color{footersymbolcolor}\textbullet~~}\fi}
7581 \providecommand*\makefooter{}
7582 \renewcommand*\makefooter{%
7583   \fancypagestyle{plain}{%
7584     \fancyfoot[c]{%
7585       \parbox{0.8\textwidth}{%
7586         \centering%
7587         \addressfont\@addresscolour%
7588         \ifthenelse{\isundefined{\@address}}{}{%
7589           \addresssymbol~\@address\%
7590           \@firstfooterelementfalse}%
7591         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7592         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7593         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7594         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}%
7595         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7596       }%
7597     \pagestyle{plain}}
7598 \AtBeginDocument{\makefooter}

```

45 File cvthemebidiclassic.sty

```

7599 \NeedsTeXFormat{LaTeX2e}
7600 \ProvidesPackage{cvthemebidiclassic}
7601 \DeclareOption{blue}{}
7602 \newif\if@colourorange\@colourorangefalse
7603 \DeclareOption{orange}{\@colourorangetrue}
7604 \newif\if@colourgreen\@colourgreenfalse
7605 \DeclareOption{green}{\@colourgreentrue}
7606 \newif\if@colourred\@colourredfalse
7607 \DeclareOption{red}{\@colourredtrue}
7608 \newif\if@colourgrey\@colourgreyfalse
7609 \DeclareOption{grey}{\@colourgreytrue}
7610 \DeclareOption*{
7611   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7612 \ExecuteOptions{colour}
7613 \ProcessOptions\relax
7614 \renewcommand*\listitemsymbol{\textbullet}
7615 \firstnamecolour{}
7616 \familynamecolour{}
7617 \titlecolour{808080}

```



```

7618 \quotecolour{696969}
7619 \addresscolour{696969}
7620 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7621 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7622 \sectiontitlecolour{1E90FF}
7623 \subsectioncolour{4682B4}
7624 \if@colourorange
7625   \addresscolour{FF8C00}
7626   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7627   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7628   \sectiontitlecolour{FF8C00}
7629   \subsectioncolour{FF8C00}\fi
7630 \if@colourgreen
7631   \addresscolour{008000}
7632   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7633   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7634   \sectiontitlecolour{008000}
7635   \subsectioncolour{008000}\fi
7636 \if@coloured
7637   \addresscolour{FF0000}
7638   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7639   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7640   \sectiontitlecolour{FF0000}
7641   \subsectioncolour{FF0000}\fi
7642 \if@colourgrey
7643   \addresscolour{808080}
7644   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7645   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7646   \sectiontitlecolour{808080}
7647   \subsectioncolour{808080}\fi
7648 \renewcommand*{\ttdefault}{pcr}
7649 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7650 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7651 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7652 \renewcommand*{\familynamefont}{\firstnamefont}
7653 \renewcommand*{\quoteont}{\large\slshape}
7654 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7655 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7656 \newlength{\maketitlemaxwidth}
7657 \setlength{\maketitlemaxwidth}{.525\textwidth}
7658 \newlength{\maketitlefullwidth}
7659 \settowidth{\maketitlefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7660 \newlength{\maketitlewidth}
7661 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}\fi
7662 \newlength{\maketitlepicturewidth}
7663 \setlength{\maketitlepicturewidth}{\@photowidth}
7664 \newlength{\maketitledetailwidth}
7665 \renewcommand*{\recomputethemelengths}{%
7666   \setlength{\maketitledetailwidth}{\textwidth}%
7667   \addtolength{\maketitledetailwidth}{-\maketitlewidth}%

```




```

7668 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7669 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}%
7670 \recomputethemelengths
7671 \newif\if@firstdetailselement\@firstdetailselementtrue
7672 \newcommand*{\maketitledetailsnewline}{
7673   \if@firstdetailselement%
7674     \@firstdetailselementfalse%
7675   \else%
7676     \[.2em]\fi}
7677 \renewcommand*{\maketitle}{%
7678   % name and title
7679   \begin{minipage}[b]{\maketitlelinewidth}%
7680     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7681     \ifthenelse{equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
7682   \end{minipage}%
7683   % optional data
7684   \begin{minipage}[b]{\maketitledetailswidth}%
7685     \bidi@raggedleft\addressfont\@addresscolour%
7686     \ifthenelse{isundefined{\@address}}{\[%
7687       \maketitledetailsnewline%
7688       \addresssymbol~\@address}%
7689     \ifthenelse{isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7690     \ifthenelse{isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
7691     \ifthenelse{isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
7692     \ifthenelse{isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emaillink{\@email}}%
7693     \ifthenelse{isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
7694   \end{minipage}%
7695   % optional photo
7696   \ifthenelse{isundefined{\@photo}}{\[%
7697     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlephotoheight]{\@photo}}}%
7698   \}%
7699   % optional quote
7700   \ifthenelse{isundefined{\@quote}}{\[%
7701     {\%
7702       \centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[%
7703     }

```

46 File dblfnote-xetex-bidi.def

```

7704 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7705 \let\autofooterule\relax
7706 \let\rightfootnoterule\relax
7707 \let\leftfootnoterule\relax
7708 \let\textwidthfootnoterule\relax
7709 \let\LRfootnoterule\relax
7710 \def\footnoterule{\kern-3\p@
7711   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7712 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
7713 \let\@footnotetext\dfn@footnotetext}
7714 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{

```



```

7715 \let\insert\dfn@gobble
7716 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7717 \def\@makefnmark{\smash{\dfn@makefnmark}}
7718 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7719 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7720 \ifdim\dfn@dima>\z@\else
7721 \dfn@dima\sp\relax
7722 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7723 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7724 \ifvoid\dfn@ins\else
7725 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7726 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7727 \setbox\dfn@boxa\copy\dfn@ins
7728 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7729 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7730 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7731 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7732 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7733 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7734 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7735 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7736 \let\insert\dfn@gobble
7737 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7738 \def\@makefnmark{\smash{\dfn@makefnmark}}
7739 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7740 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7741 \ifdim\dfn@dima>\z@\else
7742 \dfn@dima\sp\relax
7743 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7744 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7745 \ifvoid\dfn@ins\else
7746 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7747 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7748 \setbox\dfn@boxa\copy\dfn@ins
7749 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7750 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7751 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7752 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7753 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7754 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7755 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7756 \def\dfn@RTLmakecol{{\ifvoid\footins\else
7757 \dfn@dima\ht\footins
7758 \@tempcnta\z@ \dfn@countins
7759 \@tempdima\z@ \let\@elt\dfn@elt@getht
7760 \dfn@list\@nil
7761 \ifdim\@tempdima=\z@\else
7762 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7763 \global\setbox\dfn@ins\box\dfn@ins
7764 \@tempwattrue

```



```

7765 \ifdfn@trysingle
7766 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7767 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7768 \advance\@tempdima-\skip\footins
7769 \advance\@tempdima-\ht\dfn@boxa
7770 \ifdim\@tempdima<z@\else \@tempswafalse
7771 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7772 \footnoterule \unvbox\dfn@boxa}\fi\fi
7773 \if@tempswa
7774 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7775 \global\setbox\footins\vbox{\hbox{%
7776 \hskip \DFNcolumnwidth
7777 \hskip\DFNcolumnsep
7778 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7779 \unvbox\dfn@boxb\vss}\hss}
7780 \hskip -\textwidth
7781 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7782 \vbox to\@tempdima{
7783 \setbox\@tempboxa\vbox{\footnoterule}
7784 \ifdfn@ruleboth \unvbox\@tempboxa
7785 \else \@tempdima\ht\@tempboxa
7786 \advance\@tempdima\dp\@tempboxa
7787 \vskip\@tempdima
7788 \prevdepth\dp\@tempboxa \fi
7789 \unvbox\dfn@boxa\vss}\fi\hss}
7790 \hskip \DFNcolumnsep
7791 \hskip \DFNcolumnwidth}}\fi\fi
7792 \global\dfn@fnht\z@
7793 \ifx\dfn@list\@empty\else
7794 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7795 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7796 \let\@elt\relax
7797 \ifdim\dfn@dimb>\z@
7798 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7799 \insert\footins{\floatingpenalty\@MM
7800 \vbox to\dfn@dimb{}}\fi
7801 \ifdim\dfn@fnht>\@tempdima
7802 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7803 \global\dfn@fnht\@tempdima
7804 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7805 \xdef\dfn@afteroutput{\insert\footins{
7806 \floatingpenalty\@MM
7807 \vbox to\number\@tempdimb sp{}}}%
7808 \global\let\noexpand\dfn@afteroutput\relax}%
7809 \fi\fi
7810 \fi}%
7811 \let\footnoterule\relax \dfn@latex@makecol
7812 \let\footnoterule\dfn@footnoterule}
7813 \def\dfn@LTRmakecol{\ifvoid\footins\else
7814 \dfn@dima\ht\footins

```



```

7815 \@tempcnta\z@ \dfn@countins
7816 \@tempdima\z@ \let\@elt\dfn@elt@getht
7817 \dfn@list\@nil
7818 \ifdim\@tempdima=\z@\else
7819 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7820 \global\setbox\dfn@ins\box\dfn@ins
7821 \@tempswatrue
7822 \ifdfn@trysingle
7823 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7824 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7825 \advance\@tempdima-\skip\footins
7826 \advance\@tempdima-\ht\dfn@boxa
7827 \ifdim\@tempdima<\z@\else \@tempswafalse
7828 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7829 \footnoterule \unvbox\dfn@boxa}\fi\fi
7830 \if@tempswa
7831 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7832 \global\setbox\footins\vbox{\hbox{%
7833 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7834 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7835 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7836 \vbox to\@tempdima{
7837 \setbox\@tempboxa\vbox{\footnoterule}
7838 \ifdfn@ruleboth \unvbox\@tempboxa
7839 \else \@tempdima\ht\@tempboxa
7840 \advance\@tempdima\dp\@tempboxa
7841 \vskip\@tempdima
7842 \prevdepth\dp\@tempboxa \fi
7843 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7844 \global\dfn@fnht\z@
7845 \ifx\dfn@list\@empty\else
7846 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7847 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7848 \let\@elt\relax
7849 \ifdim\dfn@dimb>\z@
7850 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7851 \insert\footins{\floatingpenalty\@MM
7852 \vbox to\dfn@dimb{}}\fi
7853 \ifdim\dfn@fnht>\@tempdima
7854 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7855 \global\dfn@fnht\@tempdima
7856 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7857 \xdef\dfn@afteroutput{\insert\footins{
7858 \floatingpenalty\@MM
7859 \vbox to\number\@tempdimb sp{}}}%
7860 \global\let\noexpand\dfn@afteroutput\relax}%
7861 \fi\fi
7862 \fi}%
7863 \let\footnoterule\relax \dfn@latex@makecol
7864 \let\footnoterule\dfn@footnoterule}

```



```

7865 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7866 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7867 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7868 \DFNalwaysdouble

```

47 File diagbox-xetex-bidi.def

```

7869 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
7870 \bidi@patchcmd{\diagbox@double}{%
7871   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7872 }{\bidi@@diagbox@double@ii}{-}{-}
7873 \bidi@patchcmd{\diagbox@double}{%
7874   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7875 }{\bidi@@diagbox@double@iii}{-}{-}
7876 \newcommand*{\bidi@@diagbox@double@ii}{%
7877   \if@RTL
7878     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
7879   \else
7880     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7881   \fi
7882 }
7883 \newcommand*{\bidi@@diagbox@double@iii}{%
7884   \if@RTL
7885     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7886   \else
7887     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7888   \fi
7889 }
7890 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7891   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7892 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7893 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7894   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7895 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7896 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7897   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7898 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
7899 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
7900   \if@RTL
7901     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
7902   \else
7903     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7904   \fi
7905 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
7906   \if@RTL
7907     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7908   \else
7909     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7910   \fi
7911 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW

```



```

7912 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7913     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
7914 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
7915 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7916     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7917 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7918 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7919     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7920 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7921 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
7922     \if@RTL
7923     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}%
7924     \else
7925     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
7926     \fi
7927 }
7928 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
7929     \if@RTL
7930     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
7931     \else
7932     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7933     \fi
7934 }
7935 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
7936 \bidi@patchcmd{\diagbox@double@pict@SE}{%
7937     \diagbox@setlinecolor
7938     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
7939 }{%
7940     {\diagbox@setlinecolor
7941     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
7942 }{-}{-}
7943 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
7944 \bidi@patchcmd{\diagbox@double@pict@NE}{%
7945     \diagbox@setlinecolor
7946     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
7947 }{%
7948     {\diagbox@setlinecolor
7949     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
7950 }{-}{-}
7951 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
7952 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
7953     \diagbox@setlinecolor
7954     \Line(0,\yym)(\x,0)
7955     \Line(\xm,\y)(\x,0)%
7956 }{%
7957     {\diagbox@setlinecolor
7958     \Line(0,\yym)(\x,0)
7959     \Line(\xm,\y)(\x,0)}%
7960 }{-}{-}
7961 \bidi@patchcmd{\diagbox@triple@pict@NE}{%

```



```

7962 \diagbox@setlinecolor
7963 \Line(0,0)(\xxm,\y)
7964 \Line(0,0)(\x,\yym)%
7965 }{%
7966 {\diagbox@setlinecolor
7967 \Line(0,0)(\xxm,\y)
7968 \Line(0,0)(\x,\yym)}%
7969 }{}{}
7970 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
7971 \diagbox@setlinecolor
7972 \Line(0,\ym)(\x,\y)
7973 \Line(\xm,0)(\x,\y)%
7974 }{%
7975 {\diagbox@setlinecolor
7976 \Line(0,\ym)(\x,\y)
7977 \Line(\xm,0)(\x,\y)}%
7978 }{}{}
7979 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
7980 \diagbox@setlinecolor
7981 \Line(0,\y)(\xxm,0)
7982 \Line(0,\y)(\x,\ym)%
7983 }{%
7984 {\diagbox@setlinecolor
7985 \Line(0,\y)(\xxm,0)
7986 \Line(0,\y)(\x,\ym)}%
7987 }{}{}

```

48 File draftwatermark-xetex-bidi.def

```

7988 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
7989 \renewcommand\SetWatermarkText[1]{%
7990 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

49 File eso-pic-xetex-bidi.def

```

7991 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
7992 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7993 \put(\LenToUnit{\if@RTLmain\paperwidth\else\opt\fi},\LenToUnit{-\paperheight}){#1}}}
7994
7995 \ESO@isMEMOIR{%
7996 \renewcommand\AtTextUpperLeft[1]{%
7997 \begingroup
7998 \ifodd\c@page
7999 \@tempdima=\spinemargin
8000 \else
8001 \@tempdima=\paperwidth
8002 \advance\@tempdima-\textwidth
8003 \advance\@tempdima-\spinemargin
8004 \fi
8005 \@tempdimb=-\uppermargin

```



```

8006      \AtPageUpperLeft{%
8007        \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8008      }%
8009    \endgroup
8010  }
8011 }{%
8012 \renewcommand\AtTextUpperLeft[1]{%
8013   \begingroup
8014     \@tempdima=1in\relax
8015     \ifodd\c@page
8016       \advance\@tempdima\oddsidemargin
8017     \else
8018       \advance\@tempdima\evensidemargin
8019     \fi
8020     \@tempdimb=-1in\relax
8021     \advance\@tempdimb-\topmargin
8022     \advance\@tempdimb-\headheight
8023     \advance\@tempdimb-\headsep
8024     \AtPageUpperLeft{%
8025       \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8026     }%
8027   \endgroup
8028 }
8029 }

```

50 File empheq-xetex-bidi.def

```

8030 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for ]
8031 \MHInternalSyntaxOn
8032 \def\EQ_tag_plus_endmark:{%
8033   \iftagsleft@
8034     \gdef\maketag@@@##1{%
8035       \hfuzz\displaywidth
8036       \if@RTL\makebox[\widthof{##1}][r]{%
8037         \hbox to \displaywidth{\m@th\normalfont##1\hss
8038           \raisebox{-\dp\EQ_mathdisplay_box
8039             -\depthof{\EQ_outerbox:}}{
8040             {\PotEndMark{\hss}}}}
8041       \else\makebox[\widthof{##1}][l]{%
8042         \hbox to \displaywidth{\m@th\normalfont##1\hss
8043           \raisebox{-\dp\EQ_mathdisplay_box
8044             -\depthof{\EQ_outerbox:}}{
8045             {\PotEndMark{\hss}}}}\fi}%
8046   \MH_else:
8047     \gdef\maketag@@@##1{%
8048       \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
8049         \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
8050       \MH_addtolength:dn \@tempdima
8051         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8052       \setlength{\@tempdimb}

```




```

8053         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:{}}}
8054         +\depthof{\EQ_innerbox:{}}}}
8055     \MH_if_dim:w \@tempdima>\@tempdimb
8056     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8057     -\@tempdima+\g_EQ_bottomrow_depth_dim}
8058     \addtolength{\@tempdima}{\depthof{\EQ_innerbox:{}}}%
8059     \def\EQ_next:{\raisebox{\@tempdima}}%
8060     \MH_else:
8061     \def\EQ_next:{
8062     \raisebox{-\dp\EQ_mathdisplay_box
8063     -\depthof{\EQ_outerbox:{}}}%
8064     \MH_fi:\EQ_next:}}}%
8065 \MH_fi:}
8066 \def\EQ_post_process:{%
8067 \EQ_initialize:
8068 \EQ_begin_equation:
8069 \MH_if_boolean:nT {outer_mult}{
8070 \setkeys{\MT_options_name:}{
8071 firstline-afterskip=0pt,
8072 lastline-preskip=0pt,
8073 multlined-width=0pt,
8074 }
8075 \ifodd \l_EQ_alignmentmode_int
8076 \setkeys{\MT_options_name:}{multlined-pos=b}
8077 \MH_else:
8078 \setkeys{\MT_options_name:}{multlined-pos=t}
8079 \MH_fi:
8080 \g@addto@macro\EQ_complete_mathdisplay:{
8081 \begin{MTmultlined}}\relax}
8082 }
8083 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8084 \MH_if_boolean:nT {outer_mult}{
8085 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8086 }
8087 \EQ_end_equation:
8088 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8089 \savecounters@
8090 \EQ_typeset_tags:
8091 \edef\l_EQ_equation_fint{\number\c@equation}
8092 \restorecounters@
8093 \Hy@linkcounter=\EQ_hyperref_link_fint
8094 \settowidth\l_EQ_totalwidth_dim{%
8095 $EQ_left_side:EQ_innerbox:{}\EQ_right_side:$}%
8096 \MH_if_boolean:nTF {outer_mult}
8097 { \def\EQ_next:{_mult} }
8098 { \def\EQ_next:{} }
8099 \@nameuse{EQ_modify_linewidth_
8100 \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8101 \EQ_typeset_display:
8102 \@nameuse{EQ_find_displaywidth_

```



```

8103         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8104 \MH_addtolength:dn
8105   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8106 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8107   $\EQ_left_side:
8108   \EQ_innerbox:{%
8109     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8110     \makebox[\l_EQ_displaywidth_dim][c]
8111     {\usebox{\EQ_mathdisplay_box}}}%
8112   \MH_or:
8113     \makebox[\l_EQ_displaywidth_dim][c]
8114     {\usebox{\EQ_mathdisplay_box}}}%
8115   \MH_or:
8116     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8117       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8118       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8119       \kern-\@mathmargin
8120       \MH_fi:
8121       \MH_fi:
8122       \usebox{\EQ_mathdisplay_box}}}%
8123   \else\makebox[\l_EQ_displaywidth_dim][l]{%
8124     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8125     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8126     \kern-\@mathmargin
8127     \MH_fi:
8128     \MH_fi:
8129     \usebox{\EQ_mathdisplay_box}}\fi%
8130 \MH_or:
8131   \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8132     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8133     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8134     \kern-\@mathmargin
8135     \MH_fi:
8136     \MH_fi:
8137     \usebox{\EQ_mathdisplay_box}}
8138   \else\makebox[\l_EQ_displaywidth_dim][l]{%
8139     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8140     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8141     \kern-\@mathmargin
8142     \MH_fi:
8143     \MH_fi:
8144     \usebox{\EQ_mathdisplay_box}}\fi%
8145   \MH_fi:}%
8146 \EQ_right_side:$}%
8147 \begin{AmSequation*}
8148 \@nameuse{EQ_place_display_
8149   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8150 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8151 \MH_set_boolean_T:n {show_manual_tags}
8152 \MH_if_case:w \l_EQ_alignmentmode_int

```



```

8153 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
8154 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
8155 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
8156 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
8157 \MH_fi:
8158 \MH_fi:
8159 \end{AmSequation*}
8160 \global\c@equation=\l_EQ_equation_fint\relax
8161 }
8162 \AtBeginDocument{%
8163 \ifpackageloaded{fancybox}{%
8164 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8165 {\renewcommand*{\textcolor[2]{\normalcolor{\#2}}}%
8166 \renewcommand*{\shadowbox{%
8167 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
8168 \VerbBox\EQ_shadowbox:n}
8169 {\MH_set_boolean_F:n {shadowbox_star}
8170 \VerbBox\EQ_shadowbox:n}}
8171 \def\EQ_shadowbox:n #1{%
8172 \sbox{\z@}{\fbox{\#1}}%
8173 \MH_if_boolean:nTF {shadowbox_star}{
8174 \MH_setlength:dn \@tempdima{\z@}%
8175 }{
8176 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8177 }
8178 \raisebox{\@tempdima}{%
8179 \if@RTL\makebox[\z@][r]{%
8180 \kern\shadowsize \textcolor{shadowcolor}{%
8181 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8182 }%
8183 \else\makebox[\z@][l]{%
8184 \kern\shadowsize \textcolor{shadowcolor}{%
8185 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8186 }\fi%
8187 \usebox\z@\textcolor{shadowcolor}{%
8188 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8189 }{}%
8190 }
8191 \MHInternalSyntaxOff

```

51 File extarticle-xetex-bidi.def

```

8192 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8193 \renewcommand*\l@section[2]{%
8194 \ifnum \c@tocdepth >\z@
8195 \addpenalty\@secpenalty
8196 \addvspace{1.0em \@plus\p@}%
8197 \setlength\@tempdima{1.5em}%
8198 \begingroup
8199 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

8200 \parfillskip -\@pnumwidth
8201 \leavevmode \bfseries
8202 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
8203 \hskip -\if@RTL\righskip\else\leftskip\fi
8204 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8205 \endgroup
8206 \fi}
8207 \renewcommand*\l@part[2]{%
8208 \ifnum \c@tocdepth >-2\relax
8209 \addpenalty\@secpenalty
8210 \addvspace{2.25em \@plus\p@}%
8211 \begingroup
8212 \setlength\@tempdima{3em}%
8213 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
8214 \parfillskip -\@pnumwidth
8215 {\leavevmode
8216 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8217 \nobreak
8218 \endgroup
8219 \fi}
8220 \def\@part[#1]#2{%
8221 \ifnum \c@secnumdepth >\m@ne
8222 \refstepcounter{part}%
8223 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8224 \else
8225 \addcontentsline{toc}{part}{#1}%
8226 \fi
8227 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8228 \interlinepenalty \@M
8229 \normalfont
8230 \ifnum \c@secnumdepth >\m@ne
8231 \Large\bfseries \partname~\thepart
8232 \par\nobreak
8233 \fi
8234 \huge \bfseries #2%
8235 \markboth{}{}\par}%
8236 \nobreak
8237 \vskip 3ex
8238 \@afterheading}
8239 \def\@spart#1{%
8240 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8241 \interlinepenalty \@M
8242 \normalfont
8243 \huge \bfseries #1\par}%
8244 \nobreak
8245 \vskip 3ex
8246 \@afterheading}
8247 \renewenvironment{thebibliography}[1]
8248 {\section*\refname
8249 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%

```



```

8250         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8251         \bidi@thebibliography@font@hook%
8252         \list{\@biblabel{\@arabic\c@enumiv}}%
8253         {\settowidth\labelwidth{\@biblabel{#1}}%
8254         \leftmargin\labelwidth
8255         \advance\leftmargin\labelsep
8256         \@openbib@code
8257         \usecounter{enumiv}%
8258         \let\p@enumiv\@empty
8259         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8260     \sloppy\clubpenalty4000\widowpenalty4000%
8261     \sfcode`.\@m}
8262     {\def\@noitemerr
8263     {\@latex@warning{Empty `thebibliography' environment}}}%
8264     \endlist}
8265 \renewcommand\left@footnoterule{%
8266 \kern-3\p@
8267 \hrule\@width.4\columnwidth
8268 \kern2.6\p@}
8269 \renewcommand\right@footnoterule{%
8270 \kern-3\p@
8271 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8272 \kern2.6\p@}
8273 \if@titlepage
8274 \renewcommand\maketitle{\begin{titlepage}%
8275 \let\footnotesize\small
8276 \let\right@footnoterule\relax
8277 \let\left@footnoterule\relax
8278 \let\textwidth\footnoterule\relax
8279 \let \footnote \thanks
8280 \null\vfil
8281 \vskip 60\p@
8282 \begin{center}%
8283 {\LARGE \@title \par}%
8284 \vskip 3em%
8285 {\large
8286 \lineskip .75em%
8287 \begin{tabular}[t]{c}%
8288 \@author
8289 \end{tabular}\par}%
8290 \vskip 1.5em%
8291 {\large \@date \par}% % Set date in \large size.
8292 \end{center}\par
8293 \@thanks
8294 \vfil\null
8295 \end{titlepage}%
8296 \setcounter{footnote}{0}%
8297 \global\let\thanks\relax
8298 \global\let\maketitle\relax
8299 \global\let\@thanks\@empty

```



```

8300 \global\let\@author\@empty
8301 \global\let\@date\@empty
8302 \global\let\@title\@empty
8303 \global\let\title\relax
8304 \global\let\author\relax
8305 \global\let\date\relax
8306 \global\let\and\relax
8307 }
8308 \else
8309 \renewcommand\maketitle{\par
8310 \begingroup
8311 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8312 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8313 \long\def\@makefntext##1{\parindent 1em\noindent
8314 \hb@xt@1.8em{%
8315 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8316 \if@twocolumn
8317 \ifnum \col@number=\@ne
8318 \maketitle
8319 \else
8320 \twocolumn[\maketitle]%
8321 \fi
8322 \else
8323 \newpage
8324 \global\@topnum\z@ % Prevents figures from going at top of page.
8325 \maketitle
8326 \fi
8327 \thispagestyle{plain}\@thanks
8328 \endgroup
8329 \setcounter{footnote}{0}%
8330 \global\let\thanks\relax
8331 \global\let\maketitle\relax
8332 \global\let\@maketitle\relax
8333 \global\let\@thanks\@empty
8334 \global\let\@author\@empty
8335 \global\let\@date\@empty
8336 \global\let\@title\@empty
8337 \global\let\title\relax
8338 \global\let\author\relax
8339 \global\let\date\relax
8340 \global\let\and\relax
8341 }
8342 \def\@maketitle{%
8343 \newpage
8344 \null
8345 \vskip 2em%
8346 \begin{center}%
8347 \let \footnote \thanks
8348 {\LARGE \@title \par}%
8349 \vskip 1.5em%

```



```

8350     {\large
8351       \lineskip .5em%
8352       \begin{tabular}[t]{c}%
8353         \@author
8354       \end{tabular}\par}%
8355     \vskip 1em%
8356     {\large \@date}%
8357   \end{center}%
8358   \par
8359   \vskip 1.5em}
8360 \fi
8361 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8362 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8363 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8364 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

52 File extbook-xetex-bidi.def

```

8365 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8366 \if@titlepage
8367   \renewcommand\maketitle{\begin{titlepage}%
8368     \let\footnotesize\small
8369     \let\right@footnoterule\relax
8370     \let\left@footnoterule\relax
8371     \let\textwidth\footnoterule\relax
8372     \let \footnote \thanks
8373     \let \LTRfootnote \LTRthanks
8374     \let \RTLfootnote \RTLthanks
8375     \null\vfil
8376     \vskip 60\p@
8377     \begin{center}%
8378       {\LARGE \@title \par}%
8379       \vskip 3em%
8380       {\large
8381         \lineskip .75em%
8382         \begin{tabular}[t]{c}%
8383           \@author
8384         \end{tabular}\par}%
8385       \vskip 1.5em%
8386       {\large \@date \par}%           % Set date in \large size.
8387     \end{center}\par
8388     \@thanks
8389     \vfil\null
8390   \end{titlepage}%
8391   \setcounter{footnote}{0}%
8392   \global\let\thanks\relax
8393   \global\let\LTRthanks\relax
8394   \global\let\RTLthanks\relax
8395   \global\let\maketitle\relax
8396   \global\let\@thanks\@empty

```



```

8397 \global\let\@author\@empty
8398 \global\let\@date\@empty
8399 \global\let\@title\@empty
8400 \global\let\title\relax
8401 \global\let\author\relax
8402 \global\let\date\relax
8403 \global\let\and\relax
8404 }
8405 \else
8406 \renewcommand\maketitle{\par
8407 \begingroup
8408 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8409 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8410 \long\def\@makefntext##1{\parindent 1em\noindent
8411 \hb@xt@1.8em{%
8412 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8413 \if@twocolumn
8414 \ifnum \col@number=\@ne
8415 \maketitle
8416 \else
8417 \twocolumn[\maketitle]%
8418 \fi
8419 \else
8420 \newpage
8421 \global\@topnum\z@ % Prevents figures from going at top of page.
8422 \maketitle
8423 \fi
8424 \thispagestyle{plain}\@thanks
8425 \endgroup
8426 \setcounter{footnote}{0}%
8427 \global\let\thanks\relax
8428 \global\let\LTRthanks\relax
8429 \global\let\RTLthanks\relax
8430 \global\let\maketitle\relax
8431 \global\let\@maketitle\relax
8432 \global\let\@thanks\@empty
8433 \global\let\@author\@empty
8434 \global\let\@date\@empty
8435 \global\let\@title\@empty
8436 \global\let\title\relax
8437 \global\let\author\relax
8438 \global\let\date\relax
8439 \global\let\and\relax
8440 }
8441 \def\@maketitle{%
8442 \newpage
8443 \null
8444 \vskip 2em%
8445 \begin{center}%
8446 \let \footnote \thanks

```




```

8447 \let \LTRfootnote \LTRthanks
8448 \let \RTLfootnote \RTLthanks
8449 {\LARGE \@title \par}%
8450 \vskip 1.5em%
8451 {\large
8452 \lineskip .5em%
8453 \begin{tabular}[t]{c}%
8454 \author
8455 \end{tabular}\par}%
8456 \vskip 1em%
8457 {\large \@date}%
8458 \end{center}%
8459 \par
8460 \vskip 1.5em}
8461 \fi
8462 \renewcommand*\l@part[2]{%
8463 \ifnum \c@tocdepth >-2\relax
8464 \addpenalty{-\@highpenalty}%
8465 \addvspace{2.25em \@plus\p@}%
8466 \begingroup
8467 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \pnumwidth
8468 \parfillskip -\pnumwidth
8469 {\leavevmode
8470 \large \bfseries #1\hfil \hb@xt@\pnumwidth{\hss #2}}\par
8471 \nobreak
8472 \global\@nobreaktrue
8473 \everypar{\global\@nobreakfalse\everypar{}}%
8474 \endgroup
8475 \fi}
8476 \renewcommand\theequation
8477 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8478 \renewcommand \thefigure
8479 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8480 \renewcommand \thetable
8481 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8482 \renewcommand \thechapter {\@arabic\c@chapter}
8483 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8484 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8485 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8486 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8487 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8488 \def\@makechapterhead#1{%
8489 \vspace*{50\p@}%
8490 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8491 \ifnum \c@secnumdepth >\m@ne
8492 \if@mainmatter
8493 \huge\bfseries \@chapapp\space \thechapter
8494 \par\nobreak
8495 \vskip 20\p@
8496 \fi

```



```

8497 \fi
8498 \interlinepenalty\@M
8499 \Huge \bfseries #1\par\nobreak
8500 \vskip 40\p@
8501 }}
8502
8503 \def\@makeschapterhead#1{%
8504 \vspace*{50\p@}%
8505 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8506 \normalfont
8507 \interlinepenalty\@M
8508 \Huge \bfseries #1\par\nobreak
8509 \vskip 40\p@
8510 }}
8511 \renewcommand\backmatter{%
8512 \if@openright
8513 \cleardoublepage
8514 \else
8515 \clearpage
8516 \fi
8517 \@mainmatterfalse}
8518 \renewenvironment{thebibliography}[1]
8519 {
\chapter*{\bibname
8520 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8521 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8522 \bidi@thebibliography@font@hook%
8523 \list{\@biblabel{\@arabic\c@enumiv}}%
8524 {\settowidth\labelwidth{\@biblabel{#1}}%
8525 \leftmargin\labelwidth
8526 \advance\leftmargin\labelsep
8527 \@openbib@code
8528 \usecounter{enumiv}%
8529 \let\p@enumiv\@empty
8530 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8531 \sloppy
8532 \clubpenalty4000
8533 \@clubpenalty \clubpenalty
8534 \widowpenalty4000%
8535 \sfcode`.\@m}
8536 {\def\@noitemerr
8537 {\@latex@warning{Empty `thebibliography' environment}}%
8538 \endlist}

```

53 File extletter-xetex-bidi.def

```

8539 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8540 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8541 \thispagestyle{firstpage}%
8542 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8543 \else % home address

```



```

8544 \thispagestyle{empty}%
8545 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8546 \fromaddress \*[2\parskip]%
8547 \@date \end{tabular}\par}%
8548 \fi
8549 \vspace{2\parskip}%
8550 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
8551 \vspace{2\parskip}%
8552 #1\par\nobreak}
8553 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8554 \stopbreaks
8555 \noindent
8556 \ifx\@empty\fromaddress\else
8557 \hspace*{\longindentation}\fi
8558 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8559 \ignorespaces #1\ \[6\medskipamount]%
8560 \ifx\@empty\fromsig
8561 \fromname
8562 \else \fromsig \fi\strut}%
8563 \par}
8564 \renewcommand\left@footnoterule{%
8565 \kern-\p@
8566 \hrule \@width .4\columnwidth
8567 \kern .6\p@}
8568 \renewcommand\right@footnoterule{%
8569 \kern-\p@
8570 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8571 \kern .6\p@}

```

54 File extrafootnotefeatures-xetex-bidi.def

```

8572 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2017/05/19 v1.1 bidi extra footnote features]
8573 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8574 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8575 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8576 \ifHy@hyperfootnotes
8577 \let\@H@footnotetext\@footnotetext
8578 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8579 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8580 \let\@H@mpfootnotetext\@mpfootnotetext
8581 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8582 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8583 \fi
8584 }%
8585 }%
8586 }
8587 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8588 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8589 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8590 \ifHy@hyperfootnotes

```



```

8591 \let\H@@footnotetext\@footnotetext
8592 \let\@footnotetext\@H@@footnotetext
8593 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
8594 \let\@LTRfootnotetext\@HLTR@@LTRfootnotetext
8595 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
8596 \let\@RTLfootnotetext\@HRTL@@RTLfootnotetext
8597 \let\H@@mpfootnotetext\@mpfootnotetext
8598 \let\@mpfootnotetext\@H@@mpfootnotetext
8599 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
8600 \let\@mpLTRfootnotetext\@HLTR@@mpLTRfootnotetext
8601 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
8602 \let\@mpRTLfootnotetext\@HRTL@@mpRTLfootnotetext
8603 \fi
8604 }%
8605 }%
8606 }
8607 \let\autofootnoterule\relax
8608 \let\rightfootnoterule\relax
8609 \let\leftfootnoterule\relax
8610 \let\textwidthfootnoterule\relax
8611 \let\LRfootnoterule\relax
8612 \def\footnoterule{\kern-3\p@
8613 \hrule \@width \columnwidth \kern 2.6\p@}
8614 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8615 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8616 \renewcommand{\@footnotetext}[1]{%
8617 \insert\footins{%
8618 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8619 \def\baselinestretch{\m@m@footnote@spacing}%
8620 \reset@font
8621 \foottextfont
8622 \@preamfntext
8623 \hsize\columnwidth
8624 \protected@edef\@currentlabel{%
8625 \csname p@footnote\endcsname\@thefnmark}%
8626 \color@begingroup
8627 \@makefntext{%
8628 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8629 \@finalstrut\strutbox}%
8630 \color@endgroup}%
8631 \m@mmf@prepare}
8632 \renewcommand{\@RTLfootnotetext}[1]{%
8633 \insert\footins{%
8634 \@RTLtrue%
8635 \def\baselinestretch{\m@m@footnote@spacing}%
8636 \reset@font
8637 RTLfoottextfont
8638 \@preamfntext
8639 \hsize\columnwidth
8640 \protected@edef\@currentlabel{%

```



```

8641      \csname p@footnote\endcsname\@thefnmark}%
8642      \color@begingroup
8643      \@makefnintext{%
8644          \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8645          \@finalstrut\strutbox}%
8646      \color@endgroup}%
8647      \m@mmf@prepare}
8648 \renewcommand{\@LTRfootnotetext}[1]{%
8649     \insert\footins{%
8650     \RTLfalse%
8651     \def\baselinestretch{\m@m@footnote@spacing}%
8652     \reset@font
8653     \LTRfoottextfont
8654     \@preamfntext
8655     \hsize\columnwidth
8656     \protected@edef\@currentlabel{%
8657         \csname p@footnote\endcsname\@thefnmark}%
8658     \color@begingroup
8659     \@makefnintext{%
8660         \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8661         \@finalstrut\strutbox}%
8662     \color@endgroup}%
8663     \m@mmf@prepare}
8664 \renewcommand{\@mpfootnotetext}[1]{%
8665     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8666     \unvbox\@mpfootins
8667     \def\baselinestretch{\m@m@footnote@spacing}%
8668     \foottextfont \hsize\columnwidth \@parboxrestore
8669     \protected@edef\@currentlabel{%
8670         \csname p@mpfootnote\endcsname\@thefnmark}%
8671     \color@begingroup
8672     \reset@font%
8673     \@makefnintext{%
8674         \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8675         \@finalstrut\strutbox}%
8676     \color@endgroup}}
8677 \renewcommand{\@mpLTRfootnotetext}[1]{%
8678     \global\setbox\@mpfootins\vbox{\@RTLfalse%
8679     \unvbox\@mpfootins
8680     \def\baselinestretch{\m@m@footnote@spacing}%
8681     \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8682     \protected@edef\@currentlabel{%
8683         \csname p@mpfootnote\endcsname\@thefnmark}%
8684     \color@begingroup
8685     \reset@font%
8686     \@makefnintext{%
8687         \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8688         \@finalstrut\strutbox}%
8689     \color@endgroup}}
8690 \renewcommand{\@mpRTLfootnotetext}[1]{%

```



```

8691 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8692 \unvbox\@mpfootins
8693 \def\baselinestretch{\m@m@footnote@spacing}%
8694 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8695 \protected@edef\@currentlabel{%
8696 \csname p@mpfootnote\endcsname\@thefnmark}%
8697 \color@begingroup
8698 \reset@font%
8699 \@makefntext{%
8700 \rule{\z@\footnotesep}\ignorespaces{\RTLfoottextfont #1}%
8701 \@finalstrut\strutbox}%
8702 \color@endgroup}}
8703 \let\m@mold@footnotetext\@footnotetext
8704 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8705 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8706 \let\m@mold@mpfootnotetext\@mpfootnotetext
8707 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8708 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8709 \bidi@ensure@newcommand{\normalfootnotes}{%
8710 \@bidi@before@Hy@hyperfootnotes
8711 \let\@footnotetext\m@mold@footnotetext
8712 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8713 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8714 \let\@mpfootnotetext\m@mold@mpfootnotetext
8715 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8716 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8717 \@bidi@after@Hy@hyperfootnotes}
8718 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8719 \bidi@ensure@newcommand*\{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestrue}
8720 \bidi@ensure@newcommand*\{\LTRcolumnfootnotes}{\@RTLcolumnfootnotestrue}
8721 \bidi@ensure@newcommand*\{\setSingleSpace}[1]{%
8722 \def\m@m@singlespace{#1}%
8723 \def\m@m@footnote@spacing{#1}%
8724 \def\m@m@float@spacing{#1} %
8725 }
8726 \setSingleSpace{1}
8727 \bidi@ensure@newcommand*\{\multiplefootnotemarker}{3sp}
8728 \bidi@ensure@newcommand*\{\m@m@mmf@prepare}{%
8729 \kern-\multiplefootnotemarker
8730 \kern\multiplefootnotemarker\relax}
8731 \bidi@ensure@newlength{\footmarkwidth}
8732 \bidi@ensure@newlength{\footmarksep}
8733 \bidi@ensure@newlength{\footparindent}
8734 \bidi@ensure@newcommand*\{\footmarkstyle}[1]{\def\footscript##1{#1}}
8735 \bidi@ensure@newcommand*\{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8736 \bidi@ensure@newcommand*\{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8737 \bidi@ensure@newcommand{\footfootmark}{%
8738 \ifdim\footmarkwidth < \z@
8739 \llap{\hb@xt@ -\footmarkwidth{%
8740 \hss\normalfont\footscript{\@thefnmark}}}%

```



```

8741         \hspace*{-\footmarkwidth}}%
8742     \else
8743         \ifdim\footmarkwidth = \z@
8744             {\normalfont\footscript{\@thefnmark}}%
8745         \else
8746             \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8747         \fi
8748     \fi}
8749 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8750 \ifdim\footmarkwidth < \z@
8751     \llap{\hb@xt@ -\footmarkwidth{%
8752         \hss\normalfont\LTRfootscript{\@thefnmark}}%
8753         \hspace*{-\footmarkwidth}}%
8754 \else
8755     \ifdim\footmarkwidth = \z@
8756         {\normalfont\LTRfootscript{\@thefnmark}}%
8757     \else
8758         \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8759     \fi
8760 \fi}
8761 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8762 \ifdim\footmarkwidth < \z@
8763     \llap{\hb@xt@ -\footmarkwidth{%
8764         \hss\normalfont\RTLfootscript{\@thefnmark}}%
8765         \hspace*{-\footmarkwidth}}%
8766 \else
8767     \ifdim\footmarkwidth = \z@
8768         {\normalfont\RTLfootscript{\@thefnmark}}%
8769     \else
8770         \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8771     \fi
8772 \fi}
8773 \footmarkstyle{\textsuperscript{#1}}
8774 \LTRfootmarkstyle{\textsuperscript{#1}}
8775 \RTLfootmarkstyle{\textsuperscript{#1}}
8776 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8777 \setlength{\footparindent}{1em}
8778 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8779 \bidi@ensure@newcommand*{\extrafeetins}{%
8780 \setbox\@outputbox \vbox{%
8781     \boxmaxdepth \@maxdepth
8782     \unvbox\@outputbox
8783     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8784     \extrafeetinshook}}
8785 \bidi@ensure@newcommand{\extrafeetinshook}{%
8786 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8787 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8788 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8789 \bidi@ensure@newlength{\footinsdim}
8790 \setlength{\footinsdim}{8in} % standard for \dimen\footins

```



```

8791 \bidi@ensure@newcommand{\@preamfntext}{%
8792   \interlinepenalty\interfootnotelinepenalty
8793   \floatingpenalty \@MM
8794   \splittopskip=\footnotesep
8795   \splitmaxdepth=\dp\strutbox
8796   \@parboxrestore}
8797 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8798   \extrafeetminihook}
8799 \bidi@ensure@newcommand{\extrafeetendmini}{%
8800   \ifvoid\@mpfootinsv\else
8801     \vskip\skip\@mpfootins
8802     \normalcolor\footnoterule\mp@footgroupv@r
8803   \fi
8804   \extrafeetendminihook}
8805 \bidi@ensure@newcommand{\extrafeetendminihook}{%
8806 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8807 \def\endminipage{%
8808   \par
8809   \unskip
8810   \ifvoid\@mpfootins\else
8811     \vskip\skip\@mpfootins
8812     \normalcolor
8813     \footnoterule
8814     \unvbox\@mpfootins
8815   \fi
8816   \m@mdoextrafeetendmini
8817   \@minipagefalse
8818   \color@endgroup
8819   \egroup
8820   \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
8821 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8822   \@namedef{\@footstart#1}{%
8823     \bidi@mopfn@bottom
8824     \vskip\bigskipamount
8825     \leftskip=\z@
8826     \rightskip=\z@
8827     \footnoterule}}
8828 \newinsert\footinsv@r
8829 \skip\footinsv@r\bigskipamount
8830 \count\footinsv@r=1000 % no magnification
8831 \dimen\footinsv@r=\footinsdim
8832 \m@make@footstart{v@r}
8833 \bidi@ensure@newcommand{\@footgroupv@r}{%
8834 \newinsert\@mpfootinsv@r
8835 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8836 \newcount\m@m@k \newdimen\m@m@h
8837 \@ifpackageloaded{multicol}{%
8838 \bidi@ensure@newcommand*\{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8839   \hsize\textwidth
8840   \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg

```




```

8841 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8842 }{%
8843 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8844 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8845 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8846 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8847 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8848 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8849 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8850 \setbox2 \vsplit0 to \dimen0
8851 \unvbox2 }
8852 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8853 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8854 \@bidi@before@Hy@hyperfootnotes
8855 \let\@footnotetext\@twocolfootnotetext
8856 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8857 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8858 \dimen\footinsv@r=2\footinsdim
8859 \count\footinsv@r=500\relax
8860 \m@make@twocol@footgroup{v@r}%
8861 \let\@footgroupv@r\@twocol@footgroupv@r
8862 \let\@mpfootnotetext\@mptwocolfootnotetext
8863 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8864 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8865 \@bidi@after@Hy@hyperfootnotes
8866 \m@make@mptwocol@footgroup{v@r}%
8867 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
8868 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8869 \def\baselinestretch{\m@m@footnote@spacing}%
8870 \reset@font\foottextfont
8871 \@preamfntext
8872 \protected@edef\@currentlabel{%
8873 \csname p@footnote\endcsname\@thefnmark}%
8874 \color@begingroup
8875 \@twocolfootfmt{#1}%
8876 \color@endgroup}%
8877 \m@mmf@prepare}
8878 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8879 \def\baselinestretch{\m@m@footnote@spacing}%
8880 \reset@font\LTRfoottextfont
8881 \@preamfntext
8882 \protected@edef\@currentlabel{%
8883 \csname p@footnote\endcsname\@thefnmark}%
8884 \color@begingroup
8885 \@twocolLTRfootfmt{#1}%
8886 \color@endgroup}%
8887 \m@mmf@prepare}
8888 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8889 \def\baselinestretch{\m@m@footnote@spacing}%
8890 \reset@font\RTLfoottextfont

```



```

8891 \@preamfntext
8892 \protected@edef\@currentlabel{%
8893   \csname p@footnote\endcsname\@thefnmark}%
8894 \color@begingroup
8895   \@twocolRTLfootfmt{#1}%
8896 \color@endgroup}%
8897 \m@mmf@prepare}
8898 \bidi@ensure@newcommand{\@preamtwofmt}{%
8899   \hspace{.45\hsize}
8900   \parindent=\z@
8901   \tolerance=5000\relax
8902   \leavevmode}
8903 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8904   \@preamtwofmt
8905   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8906 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8907   \@preamtwofmt
8908   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8909 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8910   \@preamtwofmt
8911   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8912 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8913   \global\setbox\@mpfootins\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8914     \unvbox\@mpfootins\@r
8915     \def\baselinestretch{\m@mm@footnote@spacing}%
8916     \reset@font\foottextfont
8917     \hspace\columnwidth \@parboxrestore
8918     \protected@edef\@currentlabel{%
8919       \csname p@mpfootnote\endcsname\@thefnmark}%
8920     \color@begingroup
8921       \@twocolfootfmt{#1}%
8922     \color@endgroup}%
8923   \m@mmf@prepare}
8924 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8925   \global\setbox\@mpfootins\@r\@vbox{\@RTLfalse%
8926     \unvbox\@mpfootins\@r
8927     \def\baselinestretch{\m@mm@footnote@spacing}%
8928     \reset@font\LTRfoottextfont
8929     \hspace\columnwidth \@parboxrestore
8930     \if@RTLcolumnfootnotes\beginL\fi
8931     \protected@edef\@currentlabel{%
8932       \csname p@mpfootnote\endcsname\@thefnmark}%
8933     \color@begingroup
8934       \@twocolLTRfootfmt{#1}%
8935     \color@endgroup}%
8936   \m@mmf@prepare}
8937 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8938   \global\setbox\@mpfootins\@r\@vbox{\@RTLtrue%
8939     \unvbox\@mpfootins\@r
8940     \def\baselinestretch{\m@mm@footnote@spacing}%

```



```

8941 \reset@font\RTLfoottextfont
8942 \hsize\columnwidth \@parboxrestore
8943 \protected@edef\@currentlabel{%
8944 \csname p@mpfootnote\endcsname\@thefnmark}%
8945 \color@begingroup
8946 \@twocolRTLfootfmt{#1}%
8947 \color@endgroup}%
8948 \m@mmf@prepare}
8949 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8950 \m@make@twocolfootnotetext{#1}%
8951 \m@make@mptwocolfootnotetext{#1}%
8952 \m@make@twocolfootfmt{#1}%
8953 \m@make@twocol@footgroup{#1}%
8954 \m@make@mptwocol@footgroup{#1}%
8955 \m@make@footstart{#1}%
8956 \bidi@namelongdef{\footnotetext#1}##1{%
8957 \nameuse{\twocolfootnotetext#1}{##1}}%
8958 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8959 \nameuse{\mptwocolfootnotetext#1}{##1}}%
8960 \namedef{\footgroup#1}{\nameuse{\twocol@footgroup#1}}%
8961 \namedef{\mpfootgroup#1}{\nameuse{\mptwocol@footgroup#1}}%
8962 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8963 \expandafter\count\csname footins#1\endcsname=500\relax}
8964 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8965 \bidi@namelongdef{\twocolfootnotetext#1}##1{%
8966 \insert\@nameuse{footins#1}{%
8967 \def\baselinestretch{\m@m@footnote@spacing}%
8968 \reset@font\@nameuse{foottextfont#1}%
8969 \@preamfntext
8970 \protected@edef\@currentlabel{%
8971 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8972 \color@begingroup
8973 \@nameuse{\twocolfootfmt#1}{##1}%
8974 \color@endgroup}%
8975 \m@mmf@prepare}}
8976 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8977 \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
8978 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8979 \unvbox\@nameuse{\mpfootins#1}
8980 \def\baselinestretch{\m@m@footnote@spacing}%
8981 \reset@font\@nameuse{foottextfont#1}%
8982 \hsize\columnwidth \@parboxrestore
8983 \protected@edef\@currentlabel{%
8984 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
8985 \color@begingroup
8986 \@nameuse{\twocolfootfmt#1}{##1}%
8987 \color@endgroup}\m@mmf@prepare}}
8988 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8989 \namedef{\twocolfootfmt#1}##1{%
8990 \@preamtwofmt

```



```

8991 {\@nameuse{footfootmark#1}\strut
8992 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8993 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8994 \@namedef{@twocol@footgroup#1}{%
8995 \def\baselinestretch{\m@m@footnote@spacing}%
8996 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8997 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8998 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8999 \@namedef{@mptwocol@footgroup#1}{%
9000 \def\baselinestretch{\m@m@footnote@spacing}%
9001 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9002 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
9003 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9004 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9005 \@bidi@before@Hy@hyperfootnotes
9006 \let\@footnotetext\@threecolfootnotetext
9007 \let\@LTRfootnotetext\@threecolLTRfootnotetext
9008 \let\@RTLfootnotetext\@threecolRTLfootnotetext
9009 \dimen\footinsv@r=3\footinsdim
9010 \count\footinsv@r=333\relax
9011 \m@make@threecol@footgroup{v@r}%
9012 \let\@footgroupv@r\@threecol@footgroupv@r
9013 \let\@mpfootnotetext\@mpthreecolfootnotetext
9014 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9015 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
9016 \@bidi@after@Hy@hyperfootnotes
9017 \m@make@mpthreecol@footgroup{v@r}%
9018 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
9019 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9020 \def\baselinestretch{\m@m@footnote@spacing}%
9021 \reset@font\foottextfont
9022 \@preamfntext
9023 \protected@edef\@currentlabel{%
9024 \csname p@footnote\endcsname\@thefnmark}%
9025 \color@begingroup
9026 \@threecolfootfmt{#1}%
9027 \color@endgroup}\m@mmf@prepare}
9028 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9029 \def\baselinestretch{\m@m@footnote@spacing}%
9030 \reset@font\LTRfoottextfont
9031 \@preamfntext
9032 \protected@edef\@currentlabel{%
9033 \csname p@footnote\endcsname\@thefnmark}%
9034 \color@begingroup
9035 \@threecolLTRfootfmt{#1}%
9036 \color@endgroup}\m@mmf@prepare}
9037 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9038 \def\baselinestretch{\m@m@footnote@spacing}%
9039 \reset@font\RTLfoottextfont
9040 \@preamfntext

```



```

9041 \protected@edef\@currentlabel{%
9042   \csname p@footnote\endcsname\@thefnmark}%
9043 \color@begingroup
9044   \@threecolRTLfootfmt{#1}%
9045 \color@endgroup}\m@mmf@prepare}
9046 \bidi@ensure@newcommand{\@preamthreefmt}{%
9047   \hspace{.3\hspace}
9048   \parindent=\z@
9049   \tolerance=5000\relax
9050   \leavevmode}
9051 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9052   \@preamthreefmt
9053   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9054 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9055   \@preamthreefmt
9056   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9057 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9058   \@preamthreefmt
9059   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9060 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9061   \global\setbox\@mpfootins\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9062     \unvbox\@mpfootins\@r
9063     \def\baselinestretch{\m@mm@footnote@spacing}%
9064     \reset@font\foottextfont
9065     \hspace\columnwidth \@parboxrestore
9066     \protected@edef\@currentlabel{%
9067       \csname p@mpfootnote\endcsname\@thefnmark}%
9068     \color@begingroup
9069       \@threecolfootfmt{#1}%
9070     \color@endgroup}\m@mmf@prepare}
9071 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9072   \global\setbox\@mpfootins\@r\@vbox{\@RTLfalse%
9073     \unvbox\@mpfootins\@r
9074     \def\baselinestretch{\m@mm@footnote@spacing}%
9075     \reset@font\LTRfoottextfont
9076     \hspace\columnwidth \@parboxrestore
9077     \if@RTLcolumnfootnotes\beginL\fi
9078     \protected@edef\@currentlabel{%
9079       \csname p@mpfootnote\endcsname\@thefnmark}%
9080     \color@begingroup
9081       \@threecolLTRfootfmt{#1}%
9082     \color@endgroup}\m@mmf@prepare}
9083 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9084   \global\setbox\@mpfootins\@r\@vbox{\@RTLtrue%
9085     \unvbox\@mpfootins\@r
9086     \def\baselinestretch{\m@mm@footnote@spacing}%
9087     \reset@font\RTLfoottextfont
9088     \hspace\columnwidth \@parboxrestore
9089     \protected@edef\@currentlabel{%
9090       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9091 \color@begingroup
9092   \@threecolRTLfootfmt{#1}%
9093 \color@endgroup}\m@mmf@prepare}
9094 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
9095   \m@make@threecolfootnotetext{#1}%
9096   \m@make@mpthreecolfootnotetext{#1}%
9097   \m@make@threecolfootfmt{#1}%
9098   \m@make@threecol@footgroup{#1}%
9099   \m@make@mpthreecol@footgroup{#1}%
9100   \m@make@footstart{#1}%
9101   \bidi@namelongdef{@footnotetext#1}##1{%
9102     \@nameuse{@threecolfootnotetext#1}{##1}}%
9103   \bidi@namelongdef{@mpfootnotetext#1}##1{%
9104     \@nameuse{@mpthreecolfootnotetext#1}{##1}}%
9105   \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
9106   \@namedef{@mpfootgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
9107   \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
9108   \expandafter\count\csname footins#1\endcsname=333\relax
9109 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
9110 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
9111   \insert\@nameuse{footins#1}{%
9112     \def\baselinestretch{\m@m@footnote@spacing}%
9113     \reset@font\@nameuse{foottextfont#1}%
9114     \@preamfntext
9115     \protected@edef\@currentlabel{%
9116       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9117     \color@begingroup
9118       \@nameuse{@threecolfootfmt#1}{##1}%
9119     \color@endgroup}\m@mmf@prepare}}
9120 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
9121 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
9122   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9123     \unvbox\@nameuse{@mpfootins#1}
9124     \def\baselinestretch{\m@m@footnote@spacing}%
9125     \reset@font\@nameuse{foottextfont#1}%
9126     \hsize\columnwidth \@parboxrestore
9127     \protected@edef\@currentlabel{%
9128       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9129     \color@begingroup
9130       \@nameuse{@threecolfootfmt#1}{##1}%
9131     \color@endgroup}\m@mmf@prepare}}
9132 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
9133 \bidi@namelongdef{@threecolfootfmt#1}##1{%
9134   \@preamthreefmt
9135   {\@nameuse{footfootmark#1}\strut
9136    {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9137 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9138 \@namedef{@threecol@footgroup#1}{%
9139   \def\baselinestretch{\m@m@footnote@spacing}%
9140   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

9141 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
9142 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9143 \@namedef{\mpthreecol@footgroup#1}{%
9144 \def\baselinestretch{\m@footnote@spacing}%
9145 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9146 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{\thr@@}{\splittopskip}}}}
9147 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9148 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
9149 \@bidi@before@Hy@hyperfootnotes
9150 \let\@footnotetext\@fourcolfootnotetext
9151 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9152 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9153 \dimen\footinsv@r=4\footinsdim
9154 \count\footinsv@r=250\relax
9155 \m@make@fourcol@footgroup{v@r}%
9156 \let\@footgroupv@r\@fourcol@footgroupv@r
9157 \let\@mpfootnotetext\@mpfourcolfootnotetext
9158 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9159 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9160 \@bidi@after@Hy@hyperfootnotes
9161 \m@make@mpfourcol@footgroup{v@r}%
9162 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
9163 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9164 \def\baselinestretch{\m@footnote@spacing}%
9165 \reset@font\foottextfont
9166 \@preamfntext
9167 \protected@edef\@currentlabel{%
9168 \csname p@footnote\endcsname\@thefnmark}%
9169 \color@begingroup
9170 \@fourcolfootfmt{#1}%
9171 \color@endgroup}%
9172 \m@mmf@prepare}
9173 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9174 \def\baselinestretch{\m@footnote@spacing}%
9175 \reset@font\LTRfoottextfont
9176 \@preamfntext
9177 \protected@edef\@currentlabel{%
9178 \csname p@footnote\endcsname\@thefnmark}%
9179 \color@begingroup
9180 \@fourcolLTRfootfmt{#1}%
9181 \color@endgroup}%
9182 \m@mmf@prepare}
9183 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9184 \def\baselinestretch{\m@footnote@spacing}%
9185 \reset@font\RTLfoottextfont
9186 \@preamfntext
9187 \protected@edef\@currentlabel{%
9188 \csname p@footnote\endcsname\@thefnmark}%
9189 \color@begingroup
9190 \@fourcolRTLfootfmt{#1}%

```



```

9191 \color@endgroup}%
9192 \m@mmf@prepare}
9193 \bidi@ensure@newcommand{\@preamfourfmt}{%
9194 \hspace .25\hspace
9195 \parindent=\z@
9196 \tolerance=5000\relax
9197 \leavevmode}
9198 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9199 \@preamfourfmt
9200 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9201 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9202 \@preamfourfmt
9203 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9204 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9205 \@preamfourfmt
9206 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9207 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9208 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9209 \unvbox\@mpfootinsv@r
9210 \def\baselinestretch{\m@m@footnote@spacing}%
9211 \reset@font\foottextfont
9212 \hspace\columnwidth \@parboxrestore
9213 \protected@edef\@currentlabel{%
9214 \csname p@mpfootnote\endcsname\@thefnmark}%
9215 \color@begingroup
9216 \@fourcolfootfmt{#1}%
9217 \color@endgroup}%
9218 \m@mmf@prepare}
9219 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9220 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9221 \unvbox\@mpfootinsv@r
9222 \def\baselinestretch{\m@m@footnote@spacing}%
9223 \reset@font\LTRfoottextfont
9224 \hspace\columnwidth \@parboxrestore
9225 \if@RTLcolumnfootnotes\beginL\fi
9226 \protected@edef\@currentlabel{%
9227 \csname p@mpfootnote\endcsname\@thefnmark}%
9228 \color@begingroup
9229 \@fourcolLTRfootfmt{#1}%
9230 \color@endgroup}%
9231 \m@mmf@prepare}
9232 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9233 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9234 \unvbox\@mpfootinsv@r
9235 \def\baselinestretch{\m@m@footnote@spacing}%
9236 \reset@font\RTLfoottextfont
9237 \hspace\columnwidth \@parboxrestore
9238 \protected@edef\@currentlabel{%
9239 \csname p@mpfootnote\endcsname\@thefnmark}%
9240 \color@begingroup

```




```

9241 \@fourcolRTLfootfmt{#1}%
9242 \color@endgroup}%
9243 \m@mmf@prepare}
9244 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
9245 \m@make@fourcolfootnotetext{#1}%
9246 \m@make@mpfourcolfootnotetext{#1}%
9247 \m@make@fourcolfootfmt{#1}%
9248 \m@make@fourcol@footgroup{#1}%
9249 \m@make@mpfourcol@footgroup{#1}%
9250 \m@make@footstart{#1}%
9251 \bidi@namelongdef{@footnotetext#1}##1{%
9252 \nameuse{@fourcolfootnotetext#1}{##1}}%
9253 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9254 \nameuse{@mpfourcolfootnotetext#1}{##1}}%
9255 \namedef{@footgroup#1}{\nameuse{@fourcol@footgroup#1}}%
9256 \namedef{@mpfootgroup#1}{\nameuse{@mpfourcol@footgroup#1}}%
9257 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9258 \expandafter\count\csname footins#1\endcsname=500\relax}
9259 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
9260 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
9261 \insert\@nameuse{footins#1}{%
9262 \def\baselinestretch{\m@m@footnote@spacing}%
9263 \reset@font\@nameuse{foottextfont#1}%
9264 \preamfntext
9265 \protected@edef\@currentlabel{%
9266 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9267 \color@begingroup
9268 \@nameuse{@fourcolfootfmt#1}{##1}%
9269 \color@endgroup}%
9270 \m@mmf@prepare}}
9271 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
9272 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
9273 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9274 \unvbox\@nameuse{@mpfootins#1}
9275 \def\baselinestretch{\m@m@footnote@spacing}%
9276 \reset@font\@nameuse{foottextfont#1}%
9277 \hsize\columnwidth \@parboxrestore
9278 \protected@edef\@currentlabel{%
9279 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9280 \color@begingroup
9281 \@nameuse{@fourcolfootfmt#1}{##1}%
9282 \color@endgroup}\m@mmf@prepare}}
9283 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
9284 \namedef{@fourcolfootfmt#1}##1{%
9285 \preamfourfmt
9286 {\@nameuse{footfootmark#1}\strut
9287 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9288 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9289 \namedef{@fourcol@footgroup#1}{%
9290 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9291 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9292 \m@rigrigidbodybalance{\nameuse{footins#1}}{4}{\splittopskip}}}}
9293 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9294 \namedef{mpfourcol@footgroup#1}{%
9295 \def\baselinestretch{\m@footnote@spacing}%
9296 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9297 \m@rigrigidbodybalance{\nameuse{mpfootins#1}}{4}{\splittopskip}}}}
9298 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9299 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9300 \@bidi@before@Hy@hyperfootnotes
9301 \let\@footnotetext\@fivecolfootnotetext
9302 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9303 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9304 \dimen\footinsv@r=5\footinsdim
9305 \count\footinsv@r=200\relax
9306 \m@make@fivecol@footgroup{v@r}%
9307 \let\@footgroupv@r\@fivecol@footgroupv@r
9308 \let\@mpfootnotetext\@mpfivecolfootnotetext
9309 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9310 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9311 \@bidi@after@Hy@hyperfootnotes
9312 \m@make@mpfivecol@footgroup{v@r}%
9313 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
9314 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9315 \def\baselinestretch{\m@footnote@spacing}%
9316 \reset@font\foottextfont
9317 \@preamfntext
9318 \protected@edef\@currentlabel{%
9319 \csname p@footnote\endcsname\@thefnmark}%
9320 \color@begingroup
9321 \@fivecolfootfmt{#1}%
9322 \color@endgroup}%
9323 \m@mmf@prepare}
9324 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9325 \def\baselinestretch{\m@footnote@spacing}%
9326 \reset@font\LTRfoottextfont
9327 \@preamfntext
9328 \protected@edef\@currentlabel{%
9329 \csname p@footnote\endcsname\@thefnmark}%
9330 \color@begingroup
9331 \@fivecolLTRfootfmt{#1}%
9332 \color@endgroup}%
9333 \m@mmf@prepare}
9334 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9335 \def\baselinestretch{\m@footnote@spacing}%
9336 \reset@font\RTLfoottextfont
9337 \@preamfntext
9338 \protected@edef\@currentlabel{%
9339 \csname p@footnote\endcsname\@thefnmark}%
9340 \color@begingroup

```



```

9341 \@fivecolRTLfootfmt{#1}%
9342 \color@endgroup}%
9343 \m@mmf@prepare}
9344 \bidi@ensure@newcommand{\@preamfivefmt}{%
9345 \hspace{.2\hspace}
9346 \parindent=\z@
9347 \tolerance=5000\relax
9348 \leavevmode}
9349 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9350 \@preamfivefmt
9351 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9352 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9353 \@preamfivefmt
9354 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9355 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9356 \@preamfivefmt
9357 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9358 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9359 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9360 \unvbox\@mpfootinsv@r
9361 \def\baselinestretch{\m@m@footnote@spacing}%
9362 \reset@font\foottextfont
9363 \hspace\columnwidth \@parboxrestore
9364 \protected@edef\@currentlabel{%
9365 \csname p@mpfootnote\endcsname\@thefnmark}%
9366 \color@begingroup
9367 \@fivecolfootfmt{#1}%
9368 \color@endgroup}%
9369 \m@mmf@prepare}
9370 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9371 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9372 \unvbox\@mpfootinsv@r
9373 \def\baselinestretch{\m@m@footnote@spacing}%
9374 \reset@font\LTRfoottextfont
9375 \hspace\columnwidth \@parboxrestore
9376 \if@RTLcolumnfootnotes\beginL\fi
9377 \protected@edef\@currentlabel{%
9378 \csname p@mpfootnote\endcsname\@thefnmark}%
9379 \color@begingroup
9380 \@fivecolLTRfootfmt{#1}%
9381 \color@endgroup}%
9382 \m@mmf@prepare}
9383 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9384 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9385 \unvbox\@mpfootinsv@r
9386 \def\baselinestretch{\m@m@footnote@spacing}%
9387 \reset@font\RTLfoottextfont
9388 \hspace\columnwidth \@parboxrestore
9389 \protected@edef\@currentlabel{%
9390 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9391 \color@begingroup
9392 \@fivecolRTLfootfmt{#1}%
9393 \color@endgroup}%
9394 \m@mmf@prepare}
9395 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
9396 \m@make@fivecolfootnotetext{#1}%
9397 \m@make@mpfivecolfootnotetext{#1}%
9398 \m@make@fivecolfootfmt{#1}%
9399 \m@make@fivecol@footgroup{#1}%
9400 \m@make@mpfivecol@footgroup{#1}%
9401 \m@make@footstart{#1}%
9402 \bidi@namelongdef{\footnotetext#1}##1{%
9403 \@nameuse{\@fivecolfootnotetext#1}{##1}}%
9404 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9405 \@nameuse{\@mpfivecolfootnotetext#1}{##1}}%
9406 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
9407 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
9408 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9409 \expandafter\count\csname footins#1\endcsname=500\relax}
9410 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
9411 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
9412 \insert\@nameuse{\footins#1}{%
9413 \def\baselinestretch{\m@m@footnote@spacing}%
9414 \reset@font\@nameuse{\foottextfont#1}%
9415 \preamfntext
9416 \protected@edef\@currentlabel{%
9417 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9418 \color@begingroup
9419 \@nameuse{\@fivecolfootfmt#1}{##1}%
9420 \color@endgroup}%
9421 \m@mmf@prepare}}
9422 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
9423 \bidi@namelongdef{\@mpfivecolfootnotetext#1}##1{%
9424 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9425 \unvbox\@nameuse{\@mpfootins#1}
9426 \def\baselinestretch{\m@m@footnote@spacing}%
9427 \reset@font\@nameuse{\foottextfont#1}%
9428 \hsize\columnwidth \@parboxrestore
9429 \protected@edef\@currentlabel{%
9430 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9431 \color@begingroup
9432 \@nameuse{\@fivecolfootfmt#1}{##1}%
9433 \color@endgroup}\m@mmf@prepare}}
9434 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
9435 \@namedef{\@fivecolfootfmt#1}##1{%
9436 \@preamfivefmt
9437 {\@nameuse{\footfootmark#1}\strut
9438 {\@nameuse{\foottextfont#1}##1}\strut\par}\allowbreak}}
9439 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9440 \@namedef{\@fivecol@footgroup#1}{%

```



```

9441 \def\baselinestretch{\m@m@footnote@spacing}%
9442 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9443 \m@mrigidbodybalance{\nameuse{footins#1}}{5}{\splittopskip}}}}
9444 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9445 \namedef{@mpfivecol@footgroup#1}{%
9446 \def\baselinestretch{\m@m@footnote@spacing}%
9447 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9448 \m@mrigidbodybalance{\nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
9449 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9450 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9451 \@bidi@before@Hy@hyperfootnotes
9452 \let\@footnotetext\@sixcolfootnotetext
9453 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9454 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9455 \dimen\footinsv@r=6\footinsdim
9456 \count\footinsv@r=166\relax
9457 \m@make@sixcol@footgroup{v@r}%
9458 \let\@footgroupv@r\@sixcol@footgroupv@r
9459 \let\@mpfootnotetext\@mpsixcolfootnotetext
9460 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9461 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9462 \@bidi@after@Hy@hyperfootnotes
9463 \m@make@mpsixcol@footgroup{v@r}%
9464 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
9465 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9466 \def\baselinestretch{\m@m@footnote@spacing}%
9467 \reset@font\foottextfont
9468 \@preamfntext
9469 \protected@edef\@currentlabel{%
9470 \csname p@footnote\endcsname\@thefnmark}%
9471 \color@begingroup
9472 \@sixcolfootfmt{#1}%
9473 \color@endgroup}%
9474 \m@mmf@prepare}
9475 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9476 \def\baselinestretch{\m@m@footnote@spacing}%
9477 \reset@font\LTRfoottextfont
9478 \@preamfntext
9479 \protected@edef\@currentlabel{%
9480 \csname p@footnote\endcsname\@thefnmark}%
9481 \color@begingroup
9482 \@sixcolLTRfootfmt{#1}%
9483 \color@endgroup}%
9484 \m@mmf@prepare}
9485 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9486 \def\baselinestretch{\m@m@footnote@spacing}%
9487 \reset@font\RTLfoottextfont
9488 \@preamfntext
9489 \protected@edef\@currentlabel{%
9490 \csname p@footnote\endcsname\@thefnmark}%

```



```

9491 \color@begingroup
9492 \@sixcolRTLfootfmt{#1}%
9493 \color@endgroup}%
9494 \m@mmf@prepare}
9495 \bidi@ensure@newcommand{\@preamsixfmt}{%
9496 \hspace{.16\hspace}
9497 \parindent=\z@
9498 \tolerance=5000\relax
9499 \leavevmode}
9500 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9501 \@preamsixfmt
9502 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9503 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9504 \@preamsixfmt
9505 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9506 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9507 \@preamsixfmt
9508 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9509 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
9510 \global\setbox\@mpfootinsv\@vbox{%
9511 \unvbox\@mpfootinsv
9512 \def\baselinestretch{\m@mm@footnote@spacing}%
9513 \reset@font\foottextfont
9514 \hspace\columnwidth \@parboxrestore
9515 \protected@edef\@currentlabel{%
9516 \csname p@mpfootnote\endcsname\@thefnmark}%
9517 \color@begingroup
9518 \@sixcolfootfmt{#1}%
9519 \color@endgroup}%
9520 \m@mmf@prepare}
9521 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9522 \global\setbox\@mpfootinsv\@vbox{%
9523 \unvbox\@mpfootinsv
9524 \def\baselinestretch{\m@mm@footnote@spacing}%
9525 \reset@font\LTRfoottextfont
9526 \hspace\columnwidth \@parboxrestore
9527 \if@RTLcolumnfootnotes\beginL\fi
9528 \protected@edef\@currentlabel{%
9529 \csname p@mpfootnote\endcsname\@thefnmark}%
9530 \color@begingroup
9531 \@sixcolLTRfootfmt{#1}%
9532 \color@endgroup}%
9533 \m@mmf@prepare}
9534 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9535 \global\setbox\@mpfootinsv\@vbox{%
9536 \unvbox\@mpfootinsv
9537 \def\baselinestretch{\m@mm@footnote@spacing}%
9538 \reset@font\RTLfoottextfont
9539 \hspace\columnwidth \@parboxrestore
9540 \protected@edef\@currentlabel{%

```



```

9541      \csname p@mpfootnote\endcsname\@thefnmark}%
9542      \color@begingroup
9543      \@sixcolRTLfootfmt{#1}%
9544      \color@endgroup}%
9545      \m@mmf@prepare}
9546 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
9547   \m@make@sixcolfootnotetext{#1}%
9548   \m@make@mpsixcolfootnotetext{#1}%
9549   \m@make@sixcolfootfmt{#1}%
9550   \m@make@sixcol@footgroup{#1}%
9551   \m@make@mpsixcol@footgroup{#1}%
9552   \m@make@footstart{#1}%
9553   \bidi@namelongdef{\footnotetext#1}##1{%
9554     \@nameuse{\@sixcolfootnotetext#1}{##1}}%
9555   \bidi@namelongdef{\mpfootnotetext#1}##1{%
9556     \@nameuse{\mpsixcolfootnotetext#1}{##1}}%
9557   \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
9558   \@namedef{\mp@footgroup#1}{\@nameuse{\mpsixcol@footgroup#1}}%
9559   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9560   \expandafter\count\csname footins#1\endcsname=500\relax}
9561 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9562   \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
9563     \insert\@nameuse{footins#1}{%
9564       \def\baselinestretch{\m@m@footnote@spacing}%
9565       \reset@font\@nameuse{foottextfont#1}%
9566       \@preamfntext
9567       \protected@edef\@currentlabel{%
9568         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9569       \color@begingroup
9570       \@nameuse{\@sixcolfootfmt#1}{##1}%
9571       \color@endgroup}%
9572       \m@mmf@prepare}}
9573 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9574 \bidi@namelongdef{\@mpsixcolfootnotetext#1}##1{%
9575   \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9576     \unvbox\@nameuse{\mpfootins#1}
9577     \def\baselinestretch{\m@m@footnote@spacing}%
9578     \reset@font\@nameuse{foottextfont#1}%
9579     \hsize\columnwidth \@parboxrestore
9580     \protected@edef\@currentlabel{%
9581       \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9582     \color@begingroup
9583     \@nameuse{\@sixcolfootfmt#1}{##1}%
9584     \color@endgroup}\m@mmf@prepare}}
9585 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9586   \@namedef{\@sixcolfootfmt#1}##1{%
9587     \@preamsixfmt
9588     {\@nameuse{footfootmark#1}\strut
9589     {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9590 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%

```



```

9591 \@namedef{@sixcol@footgroup#1}{%
9592   \def\baselinestretch{\m@m@footnote@spacing}%
9593   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9594   \m@r@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9595 \bidi@ensure@newcommand{\m@make@mps@sixcol@footgroup}[1]{%
9596 \@namedef{@mps@sixcol@footgroup#1}{%
9597   \def\baselinestretch{\m@m@footnote@spacing}%
9598   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9599   \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}%
9600 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9601   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9602   \@bidi@before@Hy@hyperfootnotes
9603   \let\@footnotetext\@sevendcolfootnotetext
9604   \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9605   \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9606   \dimen\footinsv@r=7\footinsdim
9607   \count\footinsv@r=142\relax
9608   \m@make@sevendcol@footgroup{v@r}%
9609   \let\@footgroupv@r\@sevendcol@footgroupv@r
9610   \let\@mpfootnotetext\@mpsevendcolfootnotetext
9611   \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9612   \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9613   \@bidi@after@Hy@hyperfootnotes
9614   \m@make@mpsevendcol@footgroup{v@r}%
9615   \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
9616 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9617   \def\baselinestretch{\m@m@footnote@spacing}%
9618   \reset@font\foottextfont
9619   \@preamfntext
9620   \protected@edef\@currentlabel{%
9621     \csname p@footnote\endcsname\@thefnmark}%
9622   \color@begingroup
9623     \@sevendcolfootfmt{#1}%
9624   \color@endgroup}%
9625   \m@m@mmf@prepare}
9626 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
9627   \def\baselinestretch{\m@m@footnote@spacing}%
9628   \reset@font\LTRfoottextfont
9629   \@preamfntext
9630   \protected@edef\@currentlabel{%
9631     \csname p@footnote\endcsname\@thefnmark}%
9632   \color@begingroup
9633     \@sevendcolLTRfootfmt{#1}%
9634   \color@endgroup}%
9635   \m@m@mmf@prepare}
9636 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9637   \def\baselinestretch{\m@m@footnote@spacing}%
9638   \reset@font\RTLfoottextfont
9639   \@preamfntext
9640   \protected@edef\@currentlabel{%

```




```

9641 \csname p@footnote\endcsname\@thefnmark}%
9642 \color@begingroup
9643 \@sevenscolRTLfootfmt{#1}%
9644 \color@endgroup}%
9645 \m@mmf@prepare}
9646 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9647 \hsize .142\hsize
9648 \parindent=\z@
9649 \tolerance=5000\relax
9650 \leavevmode}
9651 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
9652 \@preamsevenfmt
9653 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9654 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
9655 \@preamsevenfmt
9656 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9657 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
9658 \@preamsevenfmt
9659 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9660 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse}
9661 \global\setbox\@mpfootinsv@r\vbox{%
9662 \unvbox\@mpfootinsv@r
9663 \def\baselinestretch{\m@m@footnote@spacing}%
9664 \reset@font\foottextfont
9665 \hsize\columnwidth \@parboxrestore
9666 \protected@edef\@currentlabel{%
9667 \csname p@mpfootnote\endcsname\@thefnmark}%
9668 \color@begingroup
9669 \@sevenscolfootfmt{#1}%
9670 \color@endgroup}%
9671 \m@mmf@prepare}
9672 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse}
9673 \global\setbox\@mpfootinsv@r\vbox{%
9674 \unvbox\@mpfootinsv@r
9675 \def\baselinestretch{\m@m@footnote@spacing}%
9676 \reset@font\LTRfoottextfont
9677 \hsize\columnwidth \@parboxrestore
9678 \if@RTLcolumnfootnotes\beginL\fi
9679 \protected@edef\@currentlabel{%
9680 \csname p@mpfootnote\endcsname\@thefnmark}%
9681 \color@begingroup
9682 \@sevenscolLTRfootfmt{#1}%
9683 \color@endgroup}%
9684 \m@mmf@prepare}
9685 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue}
9686 \global\setbox\@mpfootinsv@r\vbox{%
9687 \unvbox\@mpfootinsv@r
9688 \def\baselinestretch{\m@m@footnote@spacing}%
9689 \reset@font\RTLfoottextfont
9690 \hsize\columnwidth \@parboxrestore

```



```

9691 \protected@edef\@currentlabel{%
9692 \csname p@mpfootnote\endcsname\@thefnmark}%
9693 \color@begingroup
9694 \@sevenscolRTLfootfmt{#1}%
9695 \color@endgroup}%
9696 \m@mmf@prepare}
9697 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
9698 \m@make@sevenscolfootnotetext{#1}%
9699 \m@make@mpsevenscolfootnotetext{#1}%
9700 \m@make@sevenscolfootfmt{#1}%
9701 \m@make@sevenscol@footgroup{#1}%
9702 \m@make@mpsevenscol@footgroup{#1}%
9703 \m@make@footstart{#1}%
9704 \bidi@namelongdef{\footnotetext#1}##1{%
9705 \@nameuse{\@sevenscolfootnotetext#1}{##1}}%
9706 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9707 \@nameuse{\@mpsevenscolfootnotetext#1}{##1}}%
9708 \@namedef{\@footgroup#1}{\@nameuse{\@sevenscol@footgroup#1}}%
9709 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsevenscol@footgroup#1}}%
9710 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9711 \expandafter\count\csname footins#1\endcsname=500\relax}
9712 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9713 \bidi@namelongdef{\@sevenscolfootnotetext#1}##1{%
9714 \insert\@nameuse{\footins#1}{%
9715 \def\baselinestretch{\m@m@footnote@spacing}%
9716 \reset@font\@nameuse{\foottextfont#1}%
9717 \@preamfntext
9718 \protected@edef\@currentlabel{%
9719 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9720 \color@begingroup
9721 \@nameuse{\@sevenscolfootfmt#1}{##1}%
9722 \color@endgroup}%
9723 \m@mmf@prepare}}
9724 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
9725 \bidi@namelongdef{\@mpsevenscolfootnotetext#1}##1{%
9726 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9727 \unvbox\@nameuse{\@mpfootins#1}
9728 \def\baselinestretch{\m@m@footnote@spacing}%
9729 \reset@font\@nameuse{\foottextfont#1}%
9730 \hsize\columnwidth \@parboxrestore
9731 \protected@edef\@currentlabel{%
9732 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9733 \color@begingroup
9734 \@nameuse{\@sevenscolfootfmt#1}{##1}%
9735 \color@endgroup}\m@mmf@prepare}}
9736 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
9737 \@namedef{\@sevenscolfootfmt#1}##1{%
9738 \@preamsevenfmt
9739 {\@nameuse{\footfootmark#1}\strut
9740 {\@nameuse{\foottextfont#1}##1}\strut\par}\allowbreak}}

```



```

9741 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
9742   \namedef{@sevenscol@footgroup#1}{%
9743     \def\baselinestretch{\m@m@footnote@spacing}%
9744     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9745     \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
9746 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
9747   \namedef{@mpsevenscol@footgroup#1}{%
9748     \def\baselinestretch{\m@m@footnote@spacing}%
9749     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9750     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
9751 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9752   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9753   \@bidi@before@Hy@hyperfootnotes
9754   \let\@footnotetext\@eightcolfootnotetext
9755   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9756   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9757   \dimen\footinsv@r=8\footinsdim
9758   \count\footinsv@r=125\relax
9759   \m@make@eightcol@footgroup{v@r}%
9760   \let\@footgroupv@r\@eightcol@footgroupv@r
9761   \let\@mpfootnotetext\@mpeightcolfootnotetext
9762   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9763   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9764   \@bidi@after@Hy@hyperfootnotes
9765   \m@make@mpeightcol@footgroup{v@r}%
9766   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9767 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9768   \def\baselinestretch{\m@m@footnote@spacing}%
9769   \reset@font\foottextfont
9770   \@preamfntext
9771   \protected@edef\@currentlabel{%
9772     \csname p@footnote\endcsname\@thefnmark}%
9773   \color@begingroup
9774     \@eightcolfootfmt{#1}%
9775   \color@endgroup}%
9776   \m@mmf@prepare}
9777 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9778   \def\baselinestretch{\m@m@footnote@spacing}%
9779   \reset@font\LTRfoottextfont
9780   \@preamfntext
9781   \protected@edef\@currentlabel{%
9782     \csname p@footnote\endcsname\@thefnmark}%
9783   \color@begingroup
9784     \@eightcolLTRfootfmt{#1}%
9785   \color@endgroup}%
9786   \m@mmf@prepare}
9787 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9788   \def\baselinestretch{\m@m@footnote@spacing}%
9789   \reset@font\RTLfoottextfont
9790   \@preamfntext

```



```

9791 \protected@edef\@currentlabel{%
9792   \csname p@footnote\endcsname\@thefnmark}%
9793 \color@begingroup
9794   \@eightcolRTLfootfmt{#1}%
9795 \color@endgroup}%
9796 \m@mmf@prepare}
9797 \bidi@ensure@newcommand{\@preameightfmt}{%
9798   \hspace{.125\hspace}
9799   \parindent=\z@
9800   \tolerance=5000\relax
9801   \leavevmode}
9802 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9803   \@preameightfmt
9804   {\footnote\strut {\foottextfont #1}\strut\par}\allowbreak}
9805 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9806   \@preameightfmt
9807   {\LTRfootnote\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9808 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9809   \@preameightfmt
9810   {\RTLfootnote\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9811 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9812   \global\setbox\@mpfootins\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9813     \unvbox\@mpfootins}
9814   \def\baselinestretch{\m@mm@footnote@spacing}%
9815   \reset@font\foottextfont
9816   \hspace\columnwidth \@parboxrestore
9817   \protected@edef\@currentlabel{%
9818     \csname p@mpfootnote\endcsname\@thefnmark}%
9819   \color@begingroup
9820     \@eightcolfootfmt{#1}%
9821   \color@endgroup}%
9822   \m@mmf@prepare}
9823 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9824   \global\setbox\@mpfootins\@vbox{\@RTLfalse%
9825     \unvbox\@mpfootins}
9826   \def\baselinestretch{\m@mm@footnote@spacing}%
9827   \reset@font\LTRfoottextfont
9828   \hspace\columnwidth \@parboxrestore
9829   \if@RTLcolumnfootnotes\beginL\fi
9830   \protected@edef\@currentlabel{%
9831     \csname p@mpfootnote\endcsname\@thefnmark}%
9832   \color@begingroup
9833     \@eightcolLTRfootfmt{#1}%
9834   \color@endgroup}%
9835   \m@mmf@prepare}
9836 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9837   \global\setbox\@mpfootins\@vbox{\@RTLtrue%
9838     \unvbox\@mpfootins}
9839   \def\baselinestretch{\m@mm@footnote@spacing}%
9840   \reset@font\RTLfoottextfont

```



```

9841 \hsize\columnwidth \@parboxrestore
9842 \protected@edef\@currentlabel{%
9843 \csname p@mpfootnote\endcsname\@thefnmark}%
9844 \color@begingroup
9845 \@eightcolRTLfootfmt{#1}%
9846 \color@endgroup}%
9847 \m@mmf@prepare}
9848 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9849 \m@make@eightcolfootnotetext{#1}%
9850 \m@make@mpeightcolfootnotetext{#1}%
9851 \m@make@eightcolfootfmt{#1}%
9852 \m@make@eightcol@footgroup{#1}%
9853 \m@make@mpeightcol@footgroup{#1}%
9854 \m@make@footstart{#1}%
9855 \bidi@namelongdef{\@footnotetext#1}##1{%
9856 \@nameuse{\@eightcolfootnotetext#1}{##1}}%
9857 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9858 \@nameuse{\@mpeightcolfootnotetext#1}{##1}}%
9859 \@namedef{\@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
9860 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mpeightcol@footgroup#1}}%
9861 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9862 \expandafter\count\csname footins#1\endcsname=500\relax}
9863 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9864 \bidi@namelongdef{\@eightcolfootnotetext#1}##1{%
9865 \insert\@nameuse{footins#1}{%
9866 \def\baselinestretch{\m@m@footnote@spacing}%
9867 \reset@font\@nameuse{foottextfont#1}%
9868 \@preamfntext
9869 \protected@edef\@currentlabel{%
9870 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9871 \color@begingroup
9872 \@nameuse{\@eightcolfootfmt#1}{##1}%
9873 \color@endgroup}%
9874 \m@mmf@prepare}}
9875 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9876 \bidi@namelongdef{\@mpeightcolfootnotetext#1}##1{%
9877 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9878 \unvbox\@nameuse{\@mpfootins#1}
9879 \def\baselinestretch{\m@m@footnote@spacing}%
9880 \reset@font\@nameuse{foottextfont#1}%
9881 \hsize\columnwidth \@parboxrestore
9882 \protected@edef\@currentlabel{%
9883 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9884 \color@begingroup
9885 \@nameuse{\@eightcolfootfmt#1}{##1}%
9886 \color@endgroup}\m@mmf@prepare}}
9887 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9888 \@namedef{\@eightcolfootfmt#1}##1{%
9889 \@preameightfmt
9890 {\@nameuse{footfootmark#1}}\strut

```



```

9891      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9892 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9893   \@namedef{@eightcol@footgroup#1}{%
9894     \def\baselinestretch{\m@m@footnote@spacing}%
9895     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9896     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
9897 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9898   \@namedef{@mpeightcol@footgroup#1}{%
9899     \def\baselinestretch{\m@m@footnote@spacing}%
9900     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9901     \m@mrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
9902 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9903   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9904   \@bidi@before@Hy@hyperfootnotes
9905   \let\@footnotetext\@ninecolfootnotetext
9906   \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9907   \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9908   \dimen\footinsv@r=9\footinsdim
9909   \count\footinsv@r=111\relax
9910   \m@make@ninecol@footgroup{v@r}%
9911   \let\@footgroupv@r\@ninecol@footgroupv@r
9912   \let\@mpfootnotetext\@mpninecolfootnotetext
9913   \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9914   \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9915   \@bidi@after@Hy@hyperfootnotes
9916   \m@make@mpninecol@footgroup{v@r}%
9917   \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9918 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9919   \def\baselinestretch{\m@m@footnote@spacing}%
9920   \reset@font\foottextfont
9921   \@preamfntext
9922   \protected@edef\@currentlabel{%
9923     \csname p@footnote\endcsname\@thefnmark}%
9924   \color@begingroup
9925     \@ninecolfootfmt{#1}%
9926   \color@endgroup}%
9927   \m@m@mmf@prepare}
9928 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9929   \def\baselinestretch{\m@m@footnote@spacing}%
9930   \reset@font\LTRfoottextfont
9931   \@preamfntext
9932   \protected@edef\@currentlabel{%
9933     \csname p@footnote\endcsname\@thefnmark}%
9934   \color@begingroup
9935     \@ninecolLTRfootfmt{#1}%
9936   \color@endgroup}%
9937   \m@m@mmf@prepare}
9938 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9939   \def\baselinestretch{\m@m@footnote@spacing}%
9940   \reset@font\RTLfoottextfont

```



```

9941 \@preamfntext
9942 \protected@edef\@currentlabel{%
9943   \csname p@footnote\endcsname\@thefnmark}%
9944 \color@begingroup
9945   \@ninecolRTLfootfmt{#1}%
9946 \color@endgroup}%
9947 \m@mmf@prepare}
9948 \bidi@ensure@newcommand{\@preamninefmt}{%
9949   \hspace{.1\hspace}
9950   \parindent=\z@
9951   \tolerance=5000\relax
9952   \leavevmode}
9953 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9954   \@preamninefmt
9955   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9956 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9957   \@preamninefmt
9958   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9959 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9960   \@preamninefmt
9961   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9962 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9963   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9964     \unvbox\@mpfootinsv@r
9965     \def\baselinestretch{\m@m@footnote@spacing}%
9966     \reset@font\foottextfont
9967     \hspace\columnwidth \@parboxrestore
9968     \protected@edef\@currentlabel{%
9969       \csname p@mpfootnote\endcsname\@thefnmark}%
9970     \color@begingroup
9971       \@ninecolfootfmt{#1}%
9972     \color@endgroup}%
9973     \m@mmf@prepare}
9974 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9975   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9976     \unvbox\@mpfootinsv@r
9977     \def\baselinestretch{\m@m@footnote@spacing}%
9978     \reset@font\LTRfoottextfont
9979     \hspace\columnwidth \@parboxrestore
9980     \if@RTLcolumnfootnotes\beginL\fi
9981     \protected@edef\@currentlabel{%
9982       \csname p@mpfootnote\endcsname\@thefnmark}%
9983     \color@begingroup
9984       \@ninecolLTRfootfmt{#1}%
9985     \color@endgroup}%
9986     \m@mmf@prepare}
9987 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9988   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9989     \unvbox\@mpfootinsv@r
9990     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9991 \reset@font\RTLfoottextfont
9992 \hsize\columnwidth \@parboxrestore
9993 \protected@edef\@currentlabel{%
9994 \csname p@mpfootnote\endcsname\@thefnmark}%
9995 \color@begingroup
9996 \@ninecolRTLfootfmt{#1}%
9997 \color@endgroup}%
9998 \m@mmf@prepare}
9999 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
10000 \m@make@ninecolfootnotetext{#1}%
10001 \m@make@mpninecolfootnotetext{#1}%
10002 \m@make@ninecolfootfmt{#1}%
10003 \m@make@ninecol@footgroup{#1}%
10004 \m@make@mpninecol@footgroup{#1}%
10005 \m@make@footstart{#1}%
10006 \bidi@namelongdef{\footnotetext#1}##1{%
10007 \@nameuse{\@ninecolfootnotetext#1}{##1}}%
10008 \bidi@namelongdef{\mpfootnotetext#1}##1{%
10009 \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
10010 \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
10011 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
10012 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10013 \expandafter\count\csname footins#1\endcsname=500\relax}
10014 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
10015 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
10016 \insert\@nameuse{\footins#1}{%
10017 \def\baselinestretch{\m@m@footnote@spacing}%
10018 \reset@font\@nameuse{\foottextfont#1}%
10019 \@preamfntext
10020 \protected@edef\@currentlabel{%
10021 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
10022 \color@begingroup
10023 \@nameuse{\@ninecolfootfmt#1}{##1}%
10024 \color@endgroup}%
10025 \m@mmf@prepare}}
10026 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
10027 \bidi@namelongdef{\@mpninecolfootnotetext#1}##1{%
10028 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
10029 \unvbox\@nameuse{\mpfootins#1}
10030 \def\baselinestretch{\m@m@footnote@spacing}%
10031 \reset@font\@nameuse{\foottextfont#1}%
10032 \hsize\columnwidth \@parboxrestore
10033 \protected@edef\@currentlabel{%
10034 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
10035 \color@begingroup
10036 \@nameuse{\@ninecolfootfmt#1}{##1}%
10037 \color@endgroup}\m@mmf@prepare}}
10038 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
10039 \@namedef{\@ninecolfootfmt#1}##1{%
10040 \@preamninefmt

```




```

10041 {\@nameuse{footfootmark#1}\strut
10042 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10043 \bidi@ensure@newcommand{\m@make@ninelcol@footgroup}[1]{%
10044 \@namedef{@ninelcol@footgroup#1}{%
10045 \def\baselinestretch{\m@footnote@spacing}%
10046 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10047 \m@rigrigidbodybalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
10048 \bidi@ensure@newcommand{\m@make@mpninelcol@footgroup}[1]{%
10049 \@namedef{@mpninelcol@footgroup#1}{%
10050 \def\baselinestretch{\m@footnote@spacing}%
10051 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10052 \m@rigrigidbodybalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
10053 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10054 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10055 \@bidi@before@Hy@hyperfootnotes
10056 \let\@footnotetext\@tencolfootnotetext
10057 \let\@LTRfootnotetext\@tencolLTRfootnotetext
10058 \let\@RTLfootnotetext\@tencolRTLfootnotetext
10059 \dimen\footinsv@r=10\footinsdim
10060 \count\footinsv@r=100\relax
10061 \m@make@tencol@footgroup{v@r}%
10062 \let\@footgroupv@r\@tencol@footgroupv@r
10063 \let\@mpfootnotetext\@mptencolfootnotetext
10064 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10065 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
10066 \@bidi@after@Hy@hyperfootnotes
10067 \m@make@mptencol@footgroup{v@r}%
10068 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
10069 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10070 \def\baselinestretch{\m@footnote@spacing}%
10071 \reset@font\foottextfont
10072 \@preamfntext
10073 \protected@edef\@currentlabel{%
10074 \csname p@footnote\endcsname\@thefnmark}%
10075 \color@begingroup
10076 \@tencolfootfmt{#1}%
10077 \color@endgroup}%
10078 \m@mmf@prepare}
10079 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
10080 \def\baselinestretch{\m@footnote@spacing}%
10081 \reset@font\LTRfoottextfont
10082 \@preamfntext
10083 \protected@edef\@currentlabel{%
10084 \csname p@footnote\endcsname\@thefnmark}%
10085 \color@begingroup
10086 \@tencolLTRfootfmt{#1}%
10087 \color@endgroup}%
10088 \m@mmf@prepare}
10089 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10090 \def\baselinestretch{\m@footnote@spacing}%

```



```

10091 \reset@font\RTLfoottextfont
10092 \@preamfntext
10093 \protected@edef\@currentlabel{%
10094   \csname p@footnote\endcsname\@thefnmark}%
10095 \color@begingroup
10096   \@tencolRTLfootfmt{#1}%
10097 \color@endgroup}%
10098 \m@mmlf@prepare}
10099 \bidi@ensure@newcommand{\@preamtenfmt}{%
10100   \hsize .1\hsize
10101   \parindent=\z@
10102   \tolerance=5000\relax
10103   \leavevmode}
10104 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10105   \@preamtenfmt
10106   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10107 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10108   \@preamtenfmt
10109   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10110 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10111   \@preamtenfmt
10112   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10113 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10114   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10115     \unvbox\@mpfootinsv@r
10116     \def\baselinestretch{\m@m@footnote@spacing}%
10117     \reset@font\foottextfont
10118     \hsize\columnwidth \@parboxrestore
10119     \protected@edef\@currentlabel{%
10120       \csname p@mpfootnote\endcsname\@thefnmark}%
10121     \color@begingroup
10122       \@tencolfootfmt{#1}%
10123     \color@endgroup}%
10124     \m@mmlf@prepare}
10125 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10126   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10127     \unvbox\@mpfootinsv@r
10128     \def\baselinestretch{\m@m@footnote@spacing}%
10129     \reset@font\LTRfoottextfont
10130     \hsize\columnwidth \@parboxrestore
10131     \if@RTLcolumnfootnotes\beginL\fi
10132     \protected@edef\@currentlabel{%
10133       \csname p@mpfootnote\endcsname\@thefnmark}%
10134     \color@begingroup
10135       \@tencolLTRfootfmt{#1}%
10136     \color@endgroup}%
10137     \m@mmlf@prepare}
10138 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10139   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10140     \unvbox\@mpfootinsv@r

```



```

10141 \def\baselinestretch{\m@m@footnote@spacing}%
10142 \reset@font\RTLfoottextfont
10143 \hsize\columnwidth \@parboxrestore
10144 \protected@edef\@currentlabel{%
10145 \csname p@mpfootnote\endcsname\@thefnmark}%
10146 \color@begingroup
10147 \@tencolRTLfootfmt{#1}%
10148 \color@endgroup}%
10149 \m@mmf@prepare}
10150 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
10151 \m@make@tencolfootnotetext{#1}%
10152 \m@make@mptencolfootnotetext{#1}%
10153 \m@make@tencolfootfmt{#1}%
10154 \m@make@tencol@footgroup{#1}%
10155 \m@make@mptencol@footgroup{#1}%
10156 \m@make@footstart{#1}%
10157 \bidi@namelongdef{\@footnotetext#1}##1{%
10158 \@nameuse{\@tencolfootnotetext#1}{##1}}%
10159 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10160 \@nameuse{\@mptencolfootnotetext#1}{##1}}%
10161 \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
10162 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
10163 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10164 \expandafter\count\csname footins#1\endcsname=500\relax}
10165 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
10166 \bidi@namelongdef{\@tencolfootnotetext#1}##1{%
10167 \insert\@nameuse{\footins#1}{%
10168 \def\baselinestretch{\m@m@footnote@spacing}%
10169 \reset@font\@nameuse{\foottextfont#1}%
10170 \@preamfntext
10171 \protected@edef\@currentlabel{%
10172 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
10173 \color@begingroup
10174 \@nameuse{\@tencolfootfmt#1}{##1}%
10175 \color@endgroup}%
10176 \m@mmf@prepare}}
10177 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
10178 \bidi@namelongdef{\@mptencolfootnotetext#1}##1{%
10179 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
10180 \unvbox\@nameuse{\@mpfootins#1}
10181 \def\baselinestretch{\m@m@footnote@spacing}%
10182 \reset@font\@nameuse{\foottextfont#1}%
10183 \hsize\columnwidth \@parboxrestore
10184 \protected@edef\@currentlabel{%
10185 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
10186 \color@begingroup
10187 \@nameuse{\@tencolfootfmt#1}{##1}%
10188 \color@endgroup}\m@mmf@prepare}}
10189 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
10190 \@namedef{\@tencolfootfmt#1}##1{%

```



```

10191 \@preamtenfmt
10192 {\@nameuse{footfootmark#1}\strut
10193 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10194 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10195 \@namedef{@tencol@footgroup#1}{%
10196 \def\baselinestretch{\m@m@footnote@spacing}%
10197 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10198 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
10199 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10200 \@namedef{@mptencol@footgroup#1}{%
10201 \def\baselinestretch{\m@m@footnote@spacing}%
10202 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10203 \m@mrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}}}
10204 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10205 \setbox0=\vbox{\unvbox#1%
10206 \global\setbox1=\lastbox}%
10207 \unhbox1
10208 \unskip
10209 \unskip
10210 \unpenalty
10211 \hskip\m@mipn@skip}
10212 \bidi@ensure@newcommand{\m@mungebox}{%
10213 \setbox0=\hbox{\m@munvxh0}%
10214 \dp0=\z@
10215 \ht0=\footfudgefactor\wd0
10216 \box0
10217 \penalty0}
10218 \newskip\m@mipn@skip
10219 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
10220 {\foottextfont\global\m@mipn@skip=#1\relax}}
10221 \m@minterparanoteglua{1em plus.4em minus.4em}
10222 \@ifpackageloaded{multicol}{%
10223 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10224 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10225 \hsize\textwidth%
10226 \setbox0=\hbox{%
10227 \loop
10228 \unpenalty
10229 \setbox2=\lastbox
10230 \ifhbox2
10231 \setbox0=\hbox{\box2\unhbox0}
10232 \repeat}
10233 }{%
10234 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10235 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10236 \setbox0=\hbox{%
10237 \loop
10238 \unpenalty
10239 \setbox2=\lastbox
10240 \ifhbox2

```



```

10241 \setbox0=\hbox{\box2\unhbox0}
10242 \repeat}}
10243 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10244 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10245 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
10246 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10247 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10248 \@bidi@before@Hy@hyperfootnotes
10249 \let\@footnotetext\@parafootnotetext
10250 \let\@LTRfootnotetext\@paraLTRfootnotetext
10251 \let\@RTLfootnotetext\@paraRTLfootnotetext
10252 \dimen\footinsv@r=\footinsdim
10253 \count\footinsv@r=1000\relax
10254 \m@make@para@footgroup{v@r}%
10255 \let\@footgroupv@r\@para@footgroupv@r
10256 \let\@mpfootnotetext\@mpparafootnotetext
10257 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10258 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10259 \@bidi@after@Hy@hyperfootnotes
10260 \m@make@mppara@footgroup{v@r}%
10261 \let\mp@footgroupv@r\@mppara@footgroupv@r
10262 \begingroup
10263 \def\baselinestretch{\m@m@footnote@spacing}%
10264 \foottextfont
10265 \@tempdima\normalbaselineskip
10266 \multiply \@tempdima \@cclvi
10267 \@tempdimb \columnwidth
10268 \divide \@tempdimb \@cclvi
10269 \divide \@tempdima \@tempdimb
10270 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10271 \endgroup
10272 }
10273 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
10274 \let\bidi@RTL@everypar\@empty%
10275 \def\baselinestretch{\m@m@footnote@spacing}%
10276 \reset@font\foottextfont
10277 \@preamfntext
10278 \protected@edef\@currentlabel{%
10279 \csname p@footnote\endcsname\@thefnmark}%
10280 \setbox0=\vbox{\hsize=\maxdimen
10281 \color@begingroup
10282 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
10283 \color@endgroup}%
10284 \m@mungebox}\m@mmf@prepare}
10285 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
10286 \let\bidi@RTL@everypar\@empty%
10287 \def\baselinestretch{\m@m@footnote@spacing}%
10288 \reset@font\LTRfoottextfont
10289 \@preamfntext
10290 \protected@edef\@currentlabel{%

```



```

10291 \csname p@footnote\endcsname\@thefnmark}%
10292 \setbox0=\vbox{\hsize=\maxdimen
10293 \color@begingroup
10294 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10295 \color@endgroup}%
10296 \m@mungebox}\m@mmf@prepare}
10297 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10298 \let\bidi@RTL@everypar\@empty%
10299 \def\baselinestretch{\m@m@footnote@spacing}%
10300 \reset@font\RTLfoottextfont
10301 \@preamfntext
10302 \protected@edef\@currentlabel{%
10303 \csname p@footnote\endcsname\@thefnmark}%
10304 \setbox0=\vbox{\hsize=\maxdimen
10305 \color@begingroup
10306 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10307 \color@endgroup}%
10308 \m@mungebox}\m@mmf@prepare}
10309 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10310 \parindent=\z@
10311 \parfillskip=0pt \@plus 1fil
10312 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10313 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10314 \parindent=\z@
10315 \parfillskip=0pt \@plus 1fil
10316 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10317 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10318 \parindent=\z@
10319 \parfillskip=0pt \@plus 1fil
10320 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10321 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10322 \global\setbox\@mpfootinsv@r\vbox{%
10323 \let\bidi@RTL@everypar\@empty%
10324 \def\baselinestretch{\m@m@footnote@spacing}%
10325 \unvbox\@mpfootinsv@r
10326 \reset@font\foottextfont
10327 \hsize\columnwidth \@parboxrestore
10328 \protected@edef\@currentlabel{%
10329 \csname p@mpfootnote\endcsname\@thefnmark}%
10330 \setbox0=\vbox{\hsize=\maxdimen
10331 \color@begingroup
10332 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\beginL\fi#1\if@RTL@footnote\endR}%
10333 \color@endgroup}%
10334 \m@mungebox}\m@mmf@prepare}
10335 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10336 \global\setbox\@mpfootinsv@r\vbox{%
10337 \let\bidi@RTL@everypar\@empty%
10338 \def\baselinestretch{\m@m@footnote@spacing}%
10339 \unvbox\@mpfootinsv@r
10340 \reset@font\LTRfoottextfont

```



```

10341 \hsize\columnwidth \@parboxrestore
10342 \protected@edef\@currentlabel{%
10343 \csname p@mpfootnote\endcsname\@thefnmark}%
10344 \setbox0=\vbox{\hsize=\maxdimen
10345 \color@begingroup
10346 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10347 \color@endgroup}%
10348 \m@mungebox}\m@mmf@prepare}
10349 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10350 \global\setbox\@mpfootinsv\@vbox{%
10351 \let\bidi@RTL@everypar\@empty%
10352 \def\baselinestretch{\m@m@footnote@spacing}%
10353 \unvbox\@mpfootinsv}
10354 \reset@font\RTLfoottextfont
10355 \hsize\columnwidth \@parboxrestore
10356 \protected@edef\@currentlabel{%
10357 \csname p@mpfootnote\endcsname\@thefnmark}%
10358 \setbox0=\vbox{\hsize=\maxdimen
10359 \color@begingroup
10360 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10361 \color@endgroup}%
10362 \m@mungebox}\m@mmf@prepare}
10363 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
10364 \m@make@parafootnotetext{#1}%
10365 \m@make@mpparafootnotetext{#1}%
10366 \m@make@parafootfmt{#1}%
10367 \m@make@para@footgroup{#1}%
10368 \m@make@mppara@footgroup{#1}%
10369 \m@make@para@footstart{#1}%
10370 \bidi@namelongdef{\@footnotetext#1}##1{%
10371 \@nameuse{\@parafootnotetext#1}{##1}}%
10372 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10373 \@nameuse{\@mpparafootnotetext#1}{##1}}%
10374 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
10375 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
10376 \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
10377 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
10378 \expandafter\count\csname footins#1\endcsname=1000\relax
10379 \begingroup
10380 \def\baselinestretch{\m@m@footnote@spacing}%
10381 \@nameuse{\foottextfont#1}%
10382 \@tempdima\normalbaselineskip
10383 \multiply \@tempdima \@cclvi
10384 \@tempdimb \columnwidth
10385 \divide \@tempdimb \@cclvi
10386 \divide \@tempdima \@tempdimb
10387 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10388 \endgroup
10389 }
10390 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%

```



```

10391 \bidi@namelongdef{@parafootnotetext#1}##1{%
10392   \insert\@nameuse{footins#1}{
10393     \def\baselinestretch{\m@m@footnote@spacing}%
10394     \reset@font\@nameuse{foottextfont#1}%
10395     \@preamfntext
10396     \protected@edef\@currentlabel{%
10397       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10398     \setbox0=\vbox{\hsize=\maxdimen
10399       \color@begingroup
10400       \noindent \@nameuse{@parafootfmt#1}{##1}%
10401       \color@endgroup}%
10402     \m@mungebox}\m@mmf@prepare}}
10403 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
10404 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
10405   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10406     \unvbox\@nameuse{@mpfootins#1}
10407     \def\baselinestretch{\m@m@footnote@spacing}%
10408     \reset@font\@nameuse{foottextfont#1}%
10409     \hsize\columnwidth \@parboxrestore
10410     \protected@edef\@currentlabel{%
10411       \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
10412     \setbox0=\vbox{\hsize=\maxdimen
10413       \color@begingroup
10414       \noindent \@nameuse{@parafootfmt#1}{##1}%
10415       \color@endgroup}%
10416     \m@mungebox}\m@mmf@prepare}}
10417 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
10418 \bidi@namelongdef{@parafootfmt#1}##1{%
10419   \parindent=\z@
10420   \parfillskip=0pt \@plus 1fil
10421   {\@nameuse{footfootmark#1}\strut
10422     {\@nameuse{foottextfont#1}##1}\penalty-10}}
10423 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10424 \@namedef{@para@footgroup#1}{%
10425   \unvbox\@nameuse{footins#1}
10426   \m@mmakehboxofhboxes
10427   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10428   \@parboxrestore%
10429   \def\baselinestretch{\m@m@footnote@spacing}%
10430   \@nameuse{foottextfont#1}%
10431   \noindent\unhbox0\par}}
10432 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10433 \@namedef{@mppara@footgroup#1}{%
10434   \unvbox\@nameuse{@mpfootins#1}
10435   \m@mmakehboxofhboxes
10436   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10437   \def\baselinestretch{\m@m@footnote@spacing}%
10438   \@nameuse{foottextfont#1}%
10439   \noindent\unhbox0\par}}
10440 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%

```




```

10441 \@namedef{@para@footstart#1}{%
10442   \vskip\bigskipamount
10443   \leftskip=\z@
10444   \rightskip=\z@
10445   \parindent=\z@
10446   \vskip\skip\@nameuse{footins#1}%
10447   \footnoterule}}
10448 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10449   \xdef\@freelist{\@freelist\@midlist}%
10450   \global\let\@midlist\@empty
10451   \@combinefloats}
10452 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10453   \ifvbox\@kludgeins
10454     \@makespecialcolbox
10455   \else
10456     \setbox\@outputbox \vbox to\@colht{%
10457       \@texttop
10458       \dimen@ \dp\@outputbox
10459       \unvbox \@outputbox
10460       \vskip -\dimen@
10461       \@textbottom}%
10462   \fi}
10463 \bidi@ensure@newcommand*{\m@m@makecolintro}{%}
10464 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
10465   \boxmaxdepth\@maxdepth
10466   \@tempdima\dp\@cclv
10467   \unvbox\@cclv
10468   \vskip-\@tempdima
10469   \bidi@mopfn@bottom
10470   \vskip \skip\footins
10471   \color@begingroup
10472     \normalcolor
10473     \footnoterule
10474     \unvbox \footins
10475   \color@endgroup}}
10476 \newcommand*{\bidi@mopfootnotebf}{%
10477   \setbox\@outputbox \vbox{%
10478     \boxmaxdepth\@maxdepth
10479     \unvbox\@outputbox
10480     \bidi@mopfn@bottom
10481     \vskip\skip\footins
10482     \color@begingroup
10483       \normalcolor
10484       \footnoterule
10485       \unvbox \footins
10486     \color@endgroup}}
10487 \gdef\mem@makecol{%
10488   \m@m@makecolintro
10489   \ifvoid\footins
10490     \setbox\@outputbox \box\@cclv

```



```

10491 \else
10492   \m@mopfootnote
10493 \fi
10494 \m@mdoextrafeet
10495 \m@m@makecolfloats
10496 \m@m@makecoltext
10497 \global \maxdepth \@maxdepth}
10498 \gdef\bidi@makecolbf{%
10499   \m@m@makecolintro
10500   \setbox\@outputbox \box\@cclv
10501   \m@m@makecolfloats
10502   \ifvoid\footins
10503   \else
10504     \bidi@mopfootnotebf
10505   \fi
10506   \m@mdoextrafeet
10507   \m@m@makecoltext
10508   \global \maxdepth \@maxdepth}
10509 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10510 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10511 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10512 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10513 \FeetAboveFloat
10514 \FeetBelowRagged

```

55 File extreport-xetex-bidi.def

```

10515 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10516 \renewcommand*\l@part[2]{%
10517   \ifnum \c@tocdepth >-2\relax
10518     \addpenalty{-\@highpenalty}%
10519     \addvspace{2.25em \@plus\p}%
10520     \begingroup
10521       \setlength\@tempdima{3em}%
10522       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10523       \parfillskip -\@pnumwidth
10524       {\leavevmode
10525         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10526       \nobreak
10527       \global\@nobreaktrue
10528       \everypar{\global\@nobreakfalse\everypar{}}%
10529     \endgroup
10530   \fi}
10531 \renewcommand*\l@chapter[2]{%
10532   \ifnum \c@tocdepth >\m@ne
10533     \addpenalty{-\@highpenalty}%
10534     \vskip 1.0em \@plus\p@
10535     \setlength\@tempdima{1.5em}%
10536     \begingroup
10537     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

10538 \parfillskip -\@pnumwidth
10539 \leavevmode \bfseries
10540 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
10541 \hskip -\if@RTL\righskip\else\leftskip\fi
10542 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10543 \penalty\@highpenalty
10544 \endgroup
10545 \fi}
10546 \def\@makechapterhead#1{%
10547 \vspace*{50\p@}%
10548 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10549 \ifnum \c@secnumdepth >\m@ne
10550 \huge\bfseries \@chapapp\space \thechapter
10551 \par\nobreak
10552 \vskip 20\p@
10553 \fi
10554 \interlinepenalty\@M
10555 \Huge \bfseries #1\par\nobreak
10556 \vskip 40\p@
10557 }}
10558 \def\@makeschapterhead#1{%
10559 \vspace*{50\p@}%
10560 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10561 \normalfont
10562 \interlinepenalty\@M
10563 \Huge \bfseries #1\par\nobreak
10564 \vskip 40\p@
10565 }}
10566 \renewcommand\left@footnoterule{%
10567 \kern-3\p@
10568 \hrule\@width.4\columnwidth
10569 \kern2.6\p@}
10570 \renewcommand\right@footnoterule{%
10571 \kern-3\p@
10572 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10573 \kern2.6\p@}
10574 \renewenvironment{thebibliography}[1]
10575 {\chapter*{\bibname
10576 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10577 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10578 \bidi@thebibliography@font@hook%
10579 \list{\@biblabel{\@arabic\c@enumiv}}%
10580 {\settowidth\labelwidth{\@biblabel{#1}}%
10581 \leftmargin\labelwidth
10582 \advance\leftmargin\labelsep
10583 \@openbib@code
10584 \usecounter{enumiv}%
10585 \let\p@enumiv\@empty
10586 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10587 \sloppy\clubpenalty4000\widowpenalty4000%

```



```

10588     \sfcode`.\.\@m}
10589     {\def\@noitemerr
10590       {\@latex@warning{Empty `thebibliography' environment}}}%
10591     \endlist}
10592 \if@titlepage
10593 \renewcommand\maketitle{\begin{titlepage}%
10594 \let\footnotesize\small
10595 \let\right@footnoterule\relax
10596 \let\left@footnoterule\relax
10597 \let\textwidth\footnoterule\relax
10598 \let \footnote \thanks
10599 \null\vfil
10600 \vskip 60\p@
10601 \begin{center}%
10602   {\LARGE \@title \par}%
10603   \vskip 3em%
10604   {\large
10605     \lineskip .75em%
10606     \begin{tabular}[t]{c}%
10607       \@author
10608     \end{tabular}\par}%
10609     \vskip 1.5em%
10610     {\large \@date \par}%           % Set date in \large size.
10611 \end{center}\par
10612 \@thanks
10613 \vfil\null
10614 \end{titlepage}%
10615 \setcounter{footnote}{0}%
10616 \global\let\thanks\relax
10617 \global\let\maketitle\relax
10618 \global\let\@thanks\@empty
10619 \global\let\@author\@empty
10620 \global\let\@date\@empty
10621 \global\let\@title\@empty
10622 \global\let\title\relax
10623 \global\let\author\relax
10624 \global\let\date\relax
10625 \global\let\and\relax
10626 }
10627 \else
10628 \renewcommand\maketitle{\par
10629 \begingroup
10630   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10631   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10632   \long\def\@makefntext##1{\parindent 1em\noindent
10633     \hb@xt@1.8em{%
10634       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10635   \if@twocolumn
10636     \ifnum \col@number=\@ne
10637       \maketitle

```



```

10638     \else
10639         \twocolumn[\@maketitle]%
10640     \fi
10641 \else
10642     \newpage
10643     \global\@topnum\z@    % Prevents figures from going at top of page.
10644     \@maketitle
10645 \fi
10646 \thispagestyle{plain}\@thanks
10647 \endgroup
10648 \setcounter{footnote}{0}%
10649 \global\let\thanks\relax
10650 \global\let\maketitle\relax
10651 \global\let\@maketitle\relax
10652 \global\let\@thanks\@empty
10653 \global\let\@author\@empty
10654 \global\let\@date\@empty
10655 \global\let\@title\@empty
10656 \global\let\title\relax
10657 \global\let\author\relax
10658 \global\let\date\relax
10659 \global\let\and\relax
10660 }
10661 \def\@maketitle{%
10662     \newpage
10663     \null
10664     \vskip 2em%
10665     \begin{center}%
10666         \let \footnote \thanks
10667         {\LARGE \@title \par}%
10668         \vskip 1.5em%
10669         {\large
10670             \lineskip .5em%
10671             \begin{tabular}[t]{c}%
10672                 \@author
10673             \end{tabular}\par}%
10674         \vskip 1em%
10675         {\large \@date}%
10676     \end{center}%
10677     \par
10678     \vskip 1.5em}
10679 \fi
10680 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
10681 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10682 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10683 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10684 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10685 \renewcommand\theequation{%
10686     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10687 \renewcommand\thefigure{%

```



```

10688 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
10689 \renewcommand\thetable{%
10690 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@table}

```

56 File fancybox-xetex-bidi.def

```

10691 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10692 \def\fancy@oval#1#2#3{%
10693 \boxmaxdepth \maxdimen
10694 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10695 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10696 \@ovxx#1\relax
10697 \advance\@ovxx-\@wholewidth
10698 \@ovyy#2\relax
10699 \advance\@ovyy-\@wholewidth
10700 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10701 \advance\@tempdimb-2\p@
10702 \ifdim\@tempdimb>\the@cornersize\relax
10703 \@tempdimb=\the@cornersize
10704 \fi
10705 \@getcirc\@tempdimb
10706 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10707 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10708 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10709 \@circlefnt
10710 \setbox\@tempboxa\hbox{\beginL%
10711 \if@ovr \@ovvert32\kern -\@tempdima \fi
10712 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10713 \if@ovt \@ovhorz \kern -\@ovxx \fi
10714 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10715 \advance\@ovdx\@ovro
10716 \advance\@ovdy\@ovro
10717 \advance\@ovxx\@wholewidth
10718 \wd\@tempboxa=\@ovxx
10719 \dp\@tempboxa=\z@}

```

57 File fancyhdr-xetex-bidi.def

```

10720 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10721
10722 \let\f@nch@everypar\everypar
10723
10724 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10725 \f@nch@vbox\headheight{\hbox
10726 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10727 \parbox[b]{\headwidth}{\centering#3}\hfill
10728 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10729
10730 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10731 \f@nch@vbox\footskip{\footrule

```



```

10732 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10733 \parbox[t]{\headwidth}{\centering#3}\hfill
10734 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\#5}
10735

```

58 File fix2col-xetex-bidi.def

```

10736 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package for
10737 \def\RTL@outputdblcol{%
10738 \if@firstcolumn
10739 \global\@firstcolumnfalse
10740 \global\setbox\@leftcolumn\copy\@outputbox
10741 \splitmaxdepth\maxdimen
10742 \vbadness\maxdimen
10743 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10744 \toks@\expandafter{\topmark}%
10745 \xdef\@firstcoltopmark{\the\toks@}%
10746 \toks@\expandafter{\splitfirstmark}%
10747 \xdef\@firstcolfirstmark{\the\toks@}%
10748 \ifx\@firstcolfirstmark\@empty
10749 \global\let\@setmarks\relax
10750 \else
10751 \gdef\@setmarks{%
10752 \let\firstmark\@firstcolfirstmark
10753 \let\topmark\@firstcoltopmark}%
10754 \fi
10755 \else \global\@firstcolumntrue
10756 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10757 \hskip \columnwidth
10758 \hfil \vrule width\columnseprule \hfil
10759 \hbox to\columnwidth {%
10760 \bidi@firstcolumn@status@write%
10761 \box\@leftcolumn \hss}%
10762 \hskip -\textwidth
10763 \hbox to\columnwidth{%
10764 \bidi@lastcolumn@status@write%
10765 \box\@outputbox \hss}%
10766 \hskip \columnsep
10767 \hskip \columnwidth }}%
10768 \@combinedblfloats \@setmarks \@outputpage
10769 \begingroup \@dblfloatplacement \@startdblcolumn
10770 \@whiles\if@fcolmade \fi
10771 {\@outputpage \@startdblcolumn }\endgroup
10772 \fi}
10773 \def\LTR@outputdblcol{%
10774 \if@firstcolumn
10775 \global\@firstcolumnfalse
10776 \global\setbox\@leftcolumn\copy\@outputbox
10777 \splitmaxdepth\maxdimen
10778 \vbadness\maxdimen

```



```

10779 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10780 \toks@\expandafter{\topmark}%
10781 \xdef\@firstcoltopmark{\the\toks@}%
10782 \toks@\expandafter{\splitfirstmark}%
10783 \xdef\@firstcolfirstmark{\the\toks@}%
10784 \ifx\@firstcolfirstmark\@empty
10785   \global\let\@setmarks\relax
10786 \else
10787   \gdef\@setmarks{%
10788     \let\firstmark\@firstcolfirstmark
10789     \let\topmark\@firstcoltopmark}%
10790 \fi
10791 \else
10792   \global\@firstcolumntrue
10793   \setbox\@outputbox\vbox{%
10794     \hb@xt@\textwidth{%
10795       \hb@xt@\columnwidth{%
10796         \bidi@firstcolumn@status@write%
10797         \box\@leftcolumn \hss}%
10798       \hfil
10799       \vrule \@width\columnseprule
10800       \hfil
10801       \hb@xt@\columnwidth{%
10802         \bidi@lastcolumn@status@write%
10803         \box\@outputbox \hss}}}%
10804   \@combinedblfloats
10805   \@setmarks
10806   \@outputpage
10807   \begin{group}
10808     \@dblfloatplacement
10809     \@startdblcolumn
10810     \@whilesw\if@colmade \fi{\@outputpage\@startdblcolumn}%
10811   \end{group}
10812 \fi}

```

59 File fleqn-xetex-bidi.def

```

10813 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
10814 \renewcommand\[{ \relax
10815   \ifmmode\@badmath
10816   \else
10817     \begin{trivlist}%
10818       \@beginparpenalty\predisplaypenalty
10819       \@endparpenalty\postdisplaypenalty
10820       \item[]\leavevmode
10821       \hb@xt@\linewidth\bgroup \begin{L}m@th\displaystyle %$
10822       \hskip\mathindent\bgroup
10823     \fi}
10824 \renewcommand\]{ \relax
10825   \ifmmode

```




```

10826             \egroup $\hfil% $
10827             \endL\egroup
10828             \end{trivlist}%
10829             \else \@badmath
10830             \fi}
10831 \renewenvironment{equation}%
10832 {\@beginparpenalty\predisplaypenalty
10833  \endparpenalty\postdisplaypenalty
10834  \refstepcounter{equation}%
10835  \trivlist \item[]\leavevmode
10836   \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10837   \displaystyle
10838   \hskip\mathindent}%
10839   {$\hfil % $
10840   \displaywidth\linewidth\hbox{\@eqnnum}%
10841   \endL\egroup
10842   \endtrivlist}

```

60 File float-xetex-bidi.def

```

10843 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
10844 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10845 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10846 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10847 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10848   \expandafter\edef\csname the#1\endcsname{%
10849     \expandafter\noexpand\csname
10850       the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10851   {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

61 File floatrow-xetex-bidi.def

```

10852 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
10853 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10854   \expandafter\edef\csname theFB@captype\endcsname{%
10855     \expandafter\noexpand\csname
10856       the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

62 File flowfram-xetex-bidi.def

```

10857 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package
10858 \def\@outputdblcol{%
10859   \@nxtcol=\c@thisframe
10860   \c@curpg=\c@page
10861   \@g@tnextcol{\@nxtcol}%
10862   \if@ff@nwpg % next flow frame starts on new page
10863     \global\@firstcolumntrue
10864     \@setcolbox\c@thisframe
10865     \if@specialpage
10866       \global\@specialpagefalse

```



```

10867 \nameuse{ps@\@specialstyle}\relax
10868 \fi
10869 \if@twoside
10870 \ifodd\count\z@
10871 \let\@thehead\@oddhead
10872 \let\@thefoot\@oddfoot
10873 \else
10874 \let\@thehead\@evenhead
10875 \let\@thefoot\@evenfoot
10876 \fi
10877 \else
10878 \let\@thehead\@oddhead
10879 \let\@thefoot\@oddfoot
10880 \fi
10881 \@beginndvi
10882 \@dodynamicthehead\@dodynamicthefoot
10883 \vbadness=\@M
10884 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10885 \@combinedblfloats
10886 \@outputpage
10887 \advance\c@curpg by -\c@page\relax
10888 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10889 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10890 \@outputpage}
10891 \begingroup
10892 \@dblfloatplacement
10893 \@startdblcolumn
10894 \@whilesw \if@fcolmade \fi
10895 {\@outputpage \@startdblcolumn }\endgroup
10896 \@resetst@tics
10897 \@resetdyn@mics
10898 \else % still on same page, save contents of box255
10899 \global\@firstcolumnfalse
10900 \setcolbox\c@thisframe
10901 \fi
10902 \global\c@thisframe=\@nxtcol
10903 \setcol{\c@thisframe}\relax
10904 \global\@colht\vsiz
10905 }
10906 \def\@outputpage{%
10907 \begingroup
10908 \let\protect\noexpand
10909 \@resetactivechars
10910 \global\let\@if@newlist\if@newlist
10911 \global\@newlistfalse\@parboxrestore
10912 \shipout\vbox{\set@typeset@protect
10913 \aftergroup
10914 \endgroup
10915 \aftergroup
10916 \set@typeset@protect

```



```

10917 \reset@font\normalsize\normalsfcodes
10918 \let\label\@gobble
10919 \let\index\@gobble
10920 \let\glossary\@gobble
10921 \baselineskip\z@skip
10922 \lineskip\z@skip
10923 \lineskiplimit\z@
10924 \vskip\topmargin\moveright\@themargin
10925 \vbox{%
10926     \vskip\headheight
10927     \vskip\headsep
10928     \box\@outputbox
10929     \ifvoid\@bidi@copyins@
10930     \else
10931         \vskip\skip\@bidi@copyins@
10932         \unvbox\@bidi@copyins@
10933     \fi
10934 }}%
10935 \global\let\if@newlist\@if@newlist
10936 \stepcounter{page}%
10937 \setcounter{displayedframe}{0}%
10938 \let\firstmark\botmark}
10939
10940
10941 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
10942 \expandafter\bidi@color\ff@txtcol}}
10943
10944 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10945 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
10946
10947
10948 \renewcommand*\@docolbox}[1]{%
10949 \edef\ff@frametype{%
10950 \csname @ff@frametype@\romannumeral#1\endcsname}%
10951 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10952 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10953 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10954 \@ff@setoffset{#1}%
10955 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10956 \ifthenelse{\boolean{columnframe\romannumeral#1}}{\}%
10957 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10958 {\csname colheight\romannumeral#1\endcsname}{%
10959 \expandafter\box\csname column\romannumeral#1\endcsname}{%
10960 \csname\ff@frametype\endcsname}%
10961 }{%
10962 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10963 {\csname colheight\romannumeral#1\endcsname}{%
10964 \expandafter\box\csname column\romannumeral#1\endcsname}%
10965 }}}
10966 \@ifclassloaded{book}{%

```



```

10967 \renewcommand\theequation
10968   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10969 \renewcommand \thefigure
10970   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10971 \renewcommand \thetable
10972   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10973 \renewcommand \thechapter {\@arabic\c@chapter}
10974 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10975 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10976 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10977 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10978 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10979 \@ifclassloaded{report}{%
10980 \renewcommand\theequation
10981   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10982 \renewcommand \thefigure
10983   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10984 \renewcommand \thetable
10985   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10986 \renewcommand \thechapter {\@arabic\c@chapter}
10987 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10988 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10989 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10990 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10991 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10992 \newcommand{\rotateframe}[2]{\if@ttb@rotate
10993 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10994 \else
10995 #2\relax
10996 \fi}

```

63 File footnote-xetex-bidi.def

```

10997 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
10998 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10999 \newif\ifbidi@autofooterule
11000 \def\bidi@mpfootnoterule{\footnoterule}
11001 \newcounter{footdir@label}
11002 \renewcommand*{\thefootdir@label}{\footdir@the\value{footdir@label}}
11003 \newcommand*{\footdir@write}{%
11004   \stepcounter{footdir@label}%
11005   \zref@labelbyprops{\thefootdir@label}{abspage}%
11006 }
11007 \newif\iffootdir@debug
11008 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11009 \newtoks\footdir@toks
11010 \newcommand*{\footdir@debug}[1]{%
11011   \iffootdir@debug
11012     \typeout{[footdir] #1}%
11013   \fi

```



```

11014 }
11015 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11016 % \newcommand*{\footdir@LeftRightElse}{%
11017 % \ltx@ifundefined{footdir@the\value{zabspage}}{%
11018 % \footdir@debug{abspage \the\value{zabspage}: else}%
11019 % \ltx@thirdofthree
11020 % }{%
11021 % \if\csname footdir@the\value{zabspage}\endcsname L%
11022 % \footdir@debug{abspage \the\value{zabspage}: left}%
11023 % \expandafter\ltx@firstofthree
11024 % \else
11025 % \footdir@debug{abspage \the\value{zabspage}: right}%
11026 % \expandafter\ltx@secondofthree
11027 % \fi
11028 % }%
11029 % }%
11030 %}{%
11031 \providecommand*{\c@zabspage}{\c@abspage}%
11032 \newcommand*{\footdir@LeftRightElse}{%
11033 \footdir@write
11034 \zifrefundefined{\thefootdir@label}{%
11035 \footdir@debug{abspage ??: else}%
11036 \ltx@thirdofthree
11037 }{%
11038 \edef\footdir@abspage{%
11039 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11040 }%
11041 \ltx@ifundefined{footdir@\footdir@abspage}{%
11042 \footdir@debug{\footdir@abspage: else}%
11043 \ltx@thirdofthree
11044 }{%
11045 \if\csname footdir@\footdir@abspage\endcsname L%
11046 \footdir@debug{\footdir@abspage: left}%
11047 \expandafter\ltx@firstofthree
11048 \else
11049 \footdir@debug{\footdir@abspage: right}%
11050 \expandafter\ltx@secondofthree
11051 \fi
11052 }%
11053 }%
11054 }%
11055 %}
11056 \newcommand*{\footdir@fntext}[1]{%
11057 \zifrefundefined{\thefootdir@label}{%
11058 }{%
11059 \edef\footdir@name{%
11060 footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11061 }%
11062 \@ifundefined{\footdir@name}{%
11063 \expandafter\gdef\csname\footdir@name\endcsname{#1}%

```



```

11064   }{ }%
11065   }%
11066 }
11067
11068 \newcommand*{\footdir@temp}[3]{%
11069   \@ifdefinable{#1}{%
11070     \let#1#2%
11071     \renewcommand{#2}[1]{%
11072       \footdir@write
11073       \footdir@fntext{#3}%
11074       \stepcounter{footdir@label}%
11075       \footdir@fntext{#3}%
11076       \footdir@toks{##1}%
11077       \footdir@toks\expandafter{%
11078         \the\expandafter\footdir@toks
11079         \expandafter
11080         \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
11081       }%
11082       \expandafter#1\expandafter{\the\footdir@toks}%
11083     }%
11084   }%
11085 }
11086
11087 \def\right@footnoterule{%
11088   \kern-3\p@
11089   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11090   \kern2.6\p@}
11091 \def\left@footnoterule{\kern-3\p@
11092   \hrule \@width .4\columnwidth \kern 2.6\p@}
11093 \def\textwidth@footnoterule{\kern-3\p@
11094   \hrule \@width \columnwidth \kern 2.6\p@}
11095 \def\leftfootnoterule{%
11096   \bidi@autofootnoterulefalse%
11097   \def\footnoterule{\left@footnoterule}}
11098 \let\LRfootnoterule=\leftfootnoterule
11099 \def\rightfootnoterule{%
11100   \bidi@autofootnoterulefalse%
11101   \def\footnoterule{\right@footnoterule}}
11102 \def\textwidthfootnoterule{%
11103   \bidi@autofootnoterulefalse%
11104   \def\footnoterule{\textwidth@footnoterule}}
11105
11106
11107
11108 \def\auto@footnoterule{%
11109   \footdir@LeftRightElse%
11110   \left@footnoterule%
11111   \right@footnoterule%
11112   \left@footnoterule%
11113 }

```



```

11114
11115
11116
11117 \def\autofootnoterule{%
11118 \bidi@autofootnoteruletrue%
11119 \def\footnoterule{\auto@footnoterule}%
11120 }
11121
11122 \newcommand*\SplitFootnoteRule{%
11123   \gdef\split@prev{0}
11124   \let\pagefootnoterule\footnoterule
11125   \let\mpfootnoterule\footnoterule
11126   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11127   \def\footnoterule{\relax
11128     \ifx \@listdepth\@mplistdepth
11129       \mpfootnoterule
11130     \else
11131       \ifnum\split@prev=\z@
11132         \pagefootnoterule
11133       \else
11134         \splitfootnoterule
11135       \fi
11136     \xdef\split@prev{\the\insertpenalties}%
11137   \fi
11138 }%
11139 }
11140
11141
11142
11143
11144 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11145   \protected@xdef\@thefnmark{\thempfn}%
11146   \@footnotemark\@RTLfootnotetext}}
11147 \def\@xRTLfootnote[#1]{%
11148   \begingroup
11149     \csname c@\@mpfn\endcsname #1\relax
11150     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11151   \endgroup
11152   \@footnotemark\@RTLfootnotetext}
11153 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11154   \protected@xdef\@thefnmark{\thempfn}%
11155   \@footnotemark\@LTRfootnotetext}}
11156 \def\@xLTRfootnote[#1]{%
11157   \begingroup
11158     \csname c@\@mpfn\endcsname #1\relax
11159     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11160   \endgroup
11161   \@footnotemark\@LTRfootnotetext}
11162
11163

```



```

11164 \def\setfootnoteRL{\@RTL@footnotetrue}
11165 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11166 \def\setfootnoteLR{\unsetfootnoteRL}
11167
11168 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11169 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11170 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11171
11172 \long\def\@footnotetext#1{\insert\footins{%
11173   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11174   \reset@font%
11175   \bidi@footnotetext@font% \reset@font\footnotesize
11176   \interlinepenalty\interfootnotelinepenalty
11177   \splittopskip\footnotesep
11178   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11179   \hsize\columnwidth \@parboxrestore
11180   \protected@edef\@currentlabel{%
11181     \csname p@footnote\endcsname\@thefnmark
11182   }%
11183   \color@begingroup
11184     \@makefntext{%
11185       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11186     \color@endgroup}}}%
11187
11188
11189 \long\def\@RTLfootnotetext#1{\insert\footins{%
11190   \@RTLtrue%
11191   \reset@font%
11192   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11193   \interlinepenalty\interfootnotelinepenalty
11194   \splittopskip\footnotesep
11195   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11196   \hsize\columnwidth \@parboxrestore
11197   \protected@edef\@currentlabel{%
11198     \csname p@footnote\endcsname\@thefnmark
11199   }%
11200   \color@begingroup
11201     \@makefntext{%
11202       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11203     \color@endgroup}}}%
11204
11205 \long\def\@LTRfootnotetext#1{\insert\footins{%
11206   \@RTLfalse%
11207   \reset@font%
11208   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11209   \interlinepenalty\interfootnotelinepenalty
11210   \splittopskip\footnotesep
11211   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11212   \hsize\columnwidth \@parboxrestore
11213   \protected@edef\@currentlabel{%

```




```

11214      \csname p@footnote\endcsname\@thefnmark
11215    }%
11216    \color@begingroup
11217      \@makefntext{%
11218        \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11219    \color@endgroup}}%
11220
11221 \AtBeginDocument{%
11222   \if@RTL@footnote
11223     \newcommand*{\bidi@footdir@footnote}{R}
11224   \else
11225     \newcommand*{\bidi@footdir@footnote}{L}
11226   \fi%
11227 }
11228
11229 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11230 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11231 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11232
11233 \long\def\@mpRTLfootnotetext#1{%
11234   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
11235   \global\setbox\@mpfootins\vbox{\@RTLtrue%
11236     \unvbox\@mpfootins
11237     \reset@font%
11238     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11239     \hsize\columnwidth
11240     \@parboxrestore
11241     \protected@edef\@currentlabel
11242       {\csname p@mpfootnote\endcsname\@thefnmark}%
11243     \color@begingroup
11244       \@makefntext{%
11245         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11246     \color@endgroup}}
11247 \long\def\@mpLTRfootnotetext#1{%
11248   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
11249   \global\setbox\@mpfootins\vbox{\@RTLfalse%
11250     \unvbox\@mpfootins
11251     \reset@font%
11252     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11253     \hsize\columnwidth
11254     \@parboxrestore
11255     \protected@edef\@currentlabel
11256       {\csname p@mpfootnote\endcsname\@thefnmark}%
11257     \color@begingroup
11258       \@makefntext{%
11259         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11260     \color@endgroup}}
11261 \long\def\@mpfootnotetext#1{%
11262   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule%
11263   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

11264 \unvbox\@mpfootins
11265 \reset@font%
11266 \bidi@@footnotetext@font% \reset@font\footnotesize
11267 \hsize\columnwidth
11268 \@parboxrestore
11269 \protected@edef\@currentlabel
11270     {\csname p@mpfootnote\endcsname\@thefnmark}%
11271 \color@begingroup
11272     \@makefntext{%
11273         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11274     \color@endgroup}}
11275 \def\@iiiminipage#1#2[#3]#4{%
11276     \leavevmode
11277     \@pboxswfalse
11278     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11279     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11280     \setlength\@tempdima{#4}%
11281     \def\@mpargs{{#1}{#2}[#3]{#4}}%
11282     \setbox\@tempboxa\vbox\bgroup
11283         \color@begingroup
11284         \hsize\@tempdima
11285         \textwidth\hsize \columnwidth\hsize
11286         \@parboxrestore
11287         \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11288         \let\@footnotetext\@mpfootnotetext
11289         \let\@LTRfootnotetext\@mpLTRfootnotetext
11290         \let\@RTLfootnotetext\@mpRTLfootnotetext
11291         \let\@listdepth\@mplistdepth \@mplistdepth\z@
11292         \@minipagerestore
11293         \@setminipage}
11294 \def\endminipage{%
11295     \par
11296     \unskip
11297     \ifvoid\@mpfootins\else
11298         \vskip\skip\@mpfootins
11299         \normalcolor
11300         \bidi@mpfootnoterule
11301         \unvbox\@mpfootins
11302     \fi
11303     \@minipagefalse %% added 24 May 89
11304 \color@endgroup
11305 \egroup
11306 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11307 \def\LTRthanks#1{\footnotemark
11308     \protected@xdef\@thanks{\@thanks
11309         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11310 }
11311 \def\LTRfootnotetext{%
11312     \ifnextchar [\@xLTRfootnotenext
11313         {\protected@xdef\@thefnmark{\thempfn}%

```



```

11314 \LTRfootnotetext}}
11315 \def\xLTRfootnotenext[#1]{%
11316 \begingroup
11317 \csname c@\mpfn\endcsname #1\relax
11318 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11319 \endgroup
11320 \LTRfootnotetext}
11321 \def\RTLthanks#1{\footnotemark
11322 \protected@xdef\@thanks{\@thanks
11323 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11324 }
11325 \let\@thanks\@empty
11326 \def\RTLfootnotetext{%
11327 \@ifnextchar [\xRTLfootnotenext
11328 {\protected@xdef\@thefnmark{\thempfn}%
11329 \RTLfootnotetext}}
11330 \def\xRTLfootnotenext[#1]{%
11331 \begingroup
11332 \csname c@\mpfn\endcsname #1\relax
11333 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11334 \endgroup
11335 \RTLfootnotetext}
11336 \leftfootnoterule

```

64 File framed-xetex-bidi.def

```

11337 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeTeX]
11338 \renewcommand\TitleBarFrame[3][\begingroup
11339 \ifx\delimiter#1\delimiter
11340 \let\TF@conlab\@empty
11341 \else
11342 \def\TF@conlab{% continuation label
11343 \nointerlineskip
11344 \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
11345 \fi
11346 %\let\TF@savecolor\current@color
11347 \textcolor{TFFrameColor}{%
11348 \CustomFBox
11349 {\TF@Title{#2}}{\TF@conlab}%
11350 \fboxrule\fboxrule\fboxrule\fboxrule
11351 %{\let\current@color\TF@savecolor\set@color #3}%
11352 {\normalcolor #3}%
11353 }\endgroup
11354 }
11355 \renewenvironment{titled-frame}[1]{%
11356 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
11357 \TitleBarFrame{\textbf{#1}}}%
11358 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
11359 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11360 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt

```



```

11361 \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1} (cont.
11362 \def\LastFrameCommand{\fbxsep8pt\fbxrule2pt
11363 \TitleBarFrame{\textbf{#1} (cont)}}}%
11364 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11365 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11366 % could interfere with the width measurement.
11367 {\endMakeFramed}
11368 \chardef\FrameRestore=\catcode`\| % for debug
11369 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11370 \def\fb@put@frame#1#2{\relax
11371 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11372 | \message{===== Entering putframe =====^^J
11373 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
11374 \ifinner
11375 \fb@putboxa#1%
11376 \fb@afterframe
11377 \else
11378 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11379 \ifdim\dimen@<2\baselineskip % Too little room on page
11380 | \message{Page has only \the\dimen@ space room left; eject. }%
11381 \eject \fb@adjheight \fb@put@frame#1#2%
11382 \else % there's appreciable room left on the page
11383 \fb@sizeofframe#1%
11384 | \message{\string\pagetotal=\the\pagetotal,
11385 | \string\pagegoal=\the\pagegoal,
11386 | \string\pagestretch=\the\pagestretch,
11387 | \string\pageshrink=\the\pageshrink,
11388 | \string\fb@frh=\the\fb@frh. \space}
11389 | \message{^^JBox of size \the\ht\@tempboxa\space}%
11390 \begingroup % temporarily set \dimen@ to be...
11391 \advance\dimen@.8\pageshrink % maximum space available on page
11392 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11393 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11394 \expandafter\endgroup
11395 % expand \ifdim, then restore \dimen@ to real room left on page
11396 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11397 | \message{fits in \the\dimen@. }%
11398 % ToDo: Change this to use vsplit anyway to capture the marks
11399 % MERGE THIS WITH THE else CLAUSE!!!
11400 \fb@putboxa#1%
11401 \fb@afterframe
11402 \else % box must be split
11403 | \message{must be split to fit in \the\dimen@. }%
11404 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11405 \fb@sizeofframe#2%
11406 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11407 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11408 \kern137sp\kern-137sp\penalty-30
11409 \unvbox\@tempboxa}%
11410 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth

```



```

11411 \splittopskip\the\splittopskip}%
11412 \boxmaxdepth\z@ \splittopskip\z@
11413 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11414 | % Split box here
11415 | \setbox\tw@\vsplit\@tempboxa to\dimen@
11416 | \toks99\expandafter{\splitfirstmark}%
11417 | \toks98\expandafter{\splitbotmark}%
11418 | \message{Marks are: \the\toks99, \the\toks98. }%
11419 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11420 | \message{Natural height of split box is \the\ht\tw@, leaving
11421 | \the\ht\@tempboxa\space remainder. }%
11422 | % If the split-to size > (\vsize-\topskip), then set box to full size.
11423 | \begingroup
11424 | \advance\dimen@\topskip
11425 | \expandafter\endgroup
11426 | \ifdim\dimen@>\pagegoal
11427 | | \message{Frame is big -- Use up the full column. }%
11428 | | \dimen@ii\pagegoal
11429 | | \advance\dimen@ii -\topskip
11430 | | \advance\dimen@ii \FrameHeightAdjust\relax
11431 | \else % suspect this is implemented incorrectly:
11432 | | % If the split-to size > feasible room_on_page, rebox it smaller.
11433 | | \advance\dimen@.8\pageshrink
11434 | | \ifdim\ht\tw@>\dimen@
11435 | | | \message{Box too tall; rebox it to \the\dimen@. }%
11436 | | | \dimen@ii\dimen@
11437 | | | \else % use natural size
11438 | | | \dimen@ii\ht\tw@
11439 | | \fi
11440 | \fi
11441 | % Re-box contents to desired size \dimen@ii
11442 | \advance\dimen@ii -\fb@frh
11443 | \setbox\tw@\vbox to\dimen@ii \bgroup
11444 | % remove simulated frame and page flexibility:
11445 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11446 | \unvbox\tw@ \unpenalty\unpenalty
11447 | \ifdim\lastkern=-137sp % whole box went to next page
11448 | | \message{box split at beginning! }%
11449 | | % need work here???
11450 | | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11451 | | \fb@adjheight
11452 | | \fb@put@frame#1#2% INSERTED ???
11453 | \else % Got material split off at the head
11454 | | \egroup \fb@resto@set
11455 | | \ifvoid\@tempboxa % it all fit after all
11456 | | | \message{box split at end! }%
11457 | | | \setbox\@tempboxa\box\tw@
11458 | | | \fb@putboxa#1%
11459 | | | \fb@afterframe
11460 | | \else % it really did split

```



```

11461 |          \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11462 |          \ifdim\wd\tw@>\z@
11463 |              \wd\tw@\wd\@tempboxa
11464 |              \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11465 |          \else
11466 |              \message{Zero width means likely blank. Don't frame it (guess)}%
11467 |              \box\tw@
11468 |          \fi
11469 |          \hrule \@height\z@ \@width\hsize
11470 |          \eject
11471 |          \fb@adjheight
11472 |          \fb@put@frame\LastFrameCommand\MidFrameCommand
11473 |      \fi\fi\fi\fi\fi
11474 |  }
11475 |  \def\fb@putboxa#1{%
11476 |      \ifvoid\@tempboxa
11477 |          \PackageWarning{framed}{Boxa is void -- discard it. }%
11478 |      \else
11479 |          \message{Frame and place boxa. }%
11480 |          %{\showoutput\showbox\@tempboxa}%
11481 |          \centerline{#1{\hboxL{\box\@tempboxa}}}%
11482 |      \fi
11483 |  }
11484 |  \catcode`\|=\FrameRestore
11485 |  \def\FrameRestore{%
11486 |      \let\if@nbreak\iffalse
11487 |      \let\if@noskipsec\iffalse
11488 |      \let\-\@dischph
11489 |      \let'\@acci\let\` \@accii\let\= \@acciii
11490 |      % \message{FrameRestore:
11491 |      %   \@totalleftmargin=\the \@totalleftmargin,
11492 |      %   \rightmargin=\the\rightmargin,
11493 |      %   \@listdepth=\the\@listdepth. }%
11494 |      % Test if we are in a list (or list-like paragraph)
11495 |      \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11496 |          \ifdim\rightmargin>\z@ 1\fi
11497 |          \ifnum\@listdepth>\z@ 1\fi 0>\z@
11498 |          % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11499 |          %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11500 |          %   \labelwidth=\the\labelwidth. }%
11501 |          \@setminipage % snug fit around the item
11502 |          % Now try to propagate changes of width from \hsize to list parameters.
11503 |          % This is deficient, but a more advanced way to indicate modification to text
11504 |          % dimensions is not (yet) provided; in particular, no separate left/right
11505 |          % adjustment.
11506 |          \advance\linewidth-\columnwidth \advance\linewidth\hsize
11507 |          \parshape\@ne \@totalleftmargin \linewidth
11508 |      \else % Not in list
11509 |          \linewidth=\hsize
11510 |          %\message{No list, set \string\linewidth=\the\hsize. }%

```



```

11511 \fi
11512 \sloppy
11513 }

```

65 File ftnright-xetex-bidi.def

```

11514 \ProvidesFile{ftnright-xetex-bidi.def}[2017/05/06 v0.5 bidi adaptations for ftnright package]
11515
11516 \def\LTR@outputdblcol{%
11517   \if@firstcolumn
11518     \global\@firstcolumnfalse
11519     \global\setbox\@leftcolumn\copy\@outputbox
11520     \global\count\footins\@m
11521     \global\skip\footins\rcol\footinsskip
11522     \splitmaxdepth\maxdimen
11523     \vbadness\maxdimen
11524     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11525     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11526     \toks@\expandafter{\topmark}%
11527     \xdef\@firstcoltopmark{\the\toks@}%
11528     \toks@\expandafter{\splitfirstmark}%
11529     \xdef\@firstcolfirstmark{\the\toks@}%
11530     \ifx\@firstcolfirstmark\@empty
11531       \global\let\@setmarks\relax
11532     \else
11533       \gdef\@setmarks{%
11534         \let\firstmark\@firstcolfirstmark
11535         \let\topmark\@firstcoltopmark}%
11536     \fi
11537   \else
11538     \preparefootins
11539     \global\@firstcolumntrue
11540     \setbox\@outputbox\vbox{%
11541       \hb@xt@\textwidth{%
11542         \hb@xt@\columnwidth{%
11543           \bidi@firstcolumn@status@write%
11544           \box\@leftcolumn \hss}%
11545         \hfil
11546         {\normalcolor\vrule \@width\columnseprule}%
11547         \hfil
11548         \hb@xt@\columnwidth{%
11549           \bidi@lastcolumn@status@write%
11550           \box\@outputbox \hss}}}%
11551   \@combinedblfloats
11552   \@setmarks
11553   \@outputpage
11554   \begingroup
11555   \@dblfloatplacement
11556   \@startdblcolumn
11557   \@whiles\if@fcolmade \fi{\@outputpage

```



```

11558     \@startdblcolumn}%
11559     \endgroup
11560 \fi}%
11561
11562
11563
11564 \def\RTL@outputdblcol{%
11565   \if@firstcolumn
11566     \global\@firstcolumnfalse
11567     \global\setbox\@leftcolumn\copy\@outputbox
11568     \global\count\footins\@m
11569     \global\skip\footins\rcol\footinsskip
11570     \splitmaxdepth\maxdimen
11571     \vbadness\maxdimen
11572     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11573     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11574     \toks@\expandafter{\topmark}%
11575     \xdef\@firstcoltopmark{\the\toks@}%
11576     \toks@\expandafter{\splitfirstmark}%
11577     \xdef\@firstcolfirstmark{\the\toks@}%
11578     \ifx\@firstcolfirstmark\@empty
11579       \global\let\@setmarks\relax
11580     \else
11581       \gdef\@setmarks{%
11582         \let\firstmark\@firstcolfirstmark
11583         \let\topmark\@firstcoltopmark}%
11584     \fi
11585   \else
11586     \preparefootins
11587     \global\@firstcolumntrue
11588     \setbox\@outputbox\vbox{%
11589       \hb@xt@\textwidth{%
11590         \hskip \columnwidth
11591         \hfil
11592         {\normalcolor\vrule \@width\columnseprule}%
11593         \hfil
11594         \hb@xt@\columnwidth{%
11595           \bidi@firstcolumn@status@write%
11596           \box\@leftcolumn \hss}%
11597         \hskip -\textwidth
11598         \hb@xt@\columnwidth{%
11599           \bidi@lastcolumn@status@write%
11600           \box\@outputbox \hss}%
11601         \hskip \columnsep
11602         \hskip \columnwidth }}%
11603     \@combinedblfloats
11604     \@setmarks
11605     \@outputpage
11606     \begingroup
11607     \@dblfloatplacement

```




```

11608 \startdblcolumn
11609 \whilesw@ifcolmade \fi{\outputpage
11610 \startdblcolumn}%
11611 \endgroup
11612 \fi}%
11613
11614
11615
11616 \let\leftfootnoterule\@empty
11617 \let\rightfootnoterule\@empty
11618 \let\textwidthfootnoterule\@empty
11619 \let\autofootnoterule\@empty
11620 \let\footnoterule\@empty
11621 \long\def\makefntext#1{\parindent 1em
11622 \noindent\hbox to 2em{}%
11623 \llap{\@thefnmark\hbox{.}.\,.\,}#1}

```

```

11624 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
11625 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11626   \Grot@setangle{#1}%
11627   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11628   \Grot@x\z@
11629   \Grot@y\z@
11630   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11631 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11632   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11633   \Grot@x\width \divide\Grot@x\tw@
11634   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11635   \setkeys{Grot}{#1}%
11636   \setbox\z@\box\@tempboxa
11637   \Grot@setangle{#2}%
11638   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11639   \@end@tempboxa}
11640 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11641   \leavevmode
11642   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11643   \setbox\z@\hbox{#3}%
11644   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11645   \ifdim#2\p@<\z@
11646     \ht\tw@-#2\dp\z@
11647     \dp\tw@-#2\ht\z@
11648   \else
11649     \ht\tw@#2\ht\z@
11650     \dp\tw@#2\dp\z@
11651   \fi
11652   \ifdim#1\p@<\z@
11653     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11654   \else

```



```

11655 \wd\tw@#1\wd\z@
11656 \box\tw@
11657 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11658 \def\Gin@iii[#1,#2][#3,#4]#5{%
11659 \begingroup
11660 \ifmmode\else\if@RTL\beginL\fi\fi
11661 \Gin@bboxtrue
11662 \Gin@defaultbp\Gin@llx{#1}%
11663 \Gin@defaultbp\Gin@lly{#2}%
11664 \Gin@defaultbp\Gin@urx{#3}%
11665 \Gin@defaultbp\Gin@ury{#4}%
11666 \Gininclude@graphics{#5}%
11667 \ifmmode\else\if@RTL\endL\fi\fi
11668 \endgroup}
11669 \def\Gin@ii[#1]#2{%
11670 \def\@tempa{[]}\def\@tempb{#2}%
11671 \ifx\@tempa\@tempb
11672 \def\@tempa{\Gin@iii[#1] []}%
11673 \expandafter\@tempa
11674 \else
11675 \begingroup
11676 \ifmmode\else\if@RTL\beginL\fi\fi
11677 \@tempswafalse
11678 \toks@{\Gininclude@graphics{#2}}%
11679 \setkeys{Gin}{#1}%
11680 \Gin@esetsize
11681 \the\toks@
11682 \ifmmode\else\if@RTL\endL\fi\fi
11683 \endgroup
11684 \fi}
11685 \def\reflectbox{\bidiGscale@box-1[1]}
11686 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11687 \leavevmode
11688 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11689 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11690 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11691 \ifdim#2\p<\z@
11692 \ht\tw@-#2\dp\z@
11693 \dp\tw@-#2\ht\z@
11694 \else
11695 \ht\tw@#2\ht\z@
11696 \dp\tw@#2\dp\z@
11697 \fi
11698 \ifdim#1\p<\z@
11699 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11700 \else
11701 \wd\tw@#1\wd\z@
11702 \box\tw@
11703 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11704 \def\scalebox#1{%

```



```

11705 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}
11706 \def\resizebox{%
11707 \leavevmode
11708 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11709 \def\bidiGscale@@box#1#2#3{%
11710 \let\@tempa\Gin@exclamation
11711 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11712 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11713 \ifx\@tempb\@tempa
11714 \ifx\@tempc\@tempa
11715 \toks@{\mbox}%
11716 \else
11717 \toks@{\bidiGscale@box@dd{#3}#1}%
11718 \fi
11719 \else
11720 \ifx\@tempc\@tempa
11721 \toks@{\bidiGscale@box@dd{#2}\width}%
11722 \else
11723 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11724 \fi
11725 \fi
11726 \the\toks@}
11727 \long\def\bidiGscale@box@dd#1#2#3{%
11728 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11729 \setlength\@tempdima{#1}%
11730 \setlength\@tempdimb{#2}%
11731 \Gscale@div\@tempa\@tempdima\@tempdimb
11732 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11733 \@end@tempboxa}
11734 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
11735 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11736 \setlength\@tempdima{#1}%
11737 \setlength\@tempdimb{#2}%
11738 \Gscale@div\@tempa\@tempdima\@tempdimb
11739 \setlength\@tempdima{#3}%
11740 \setlength\@tempdimb{#4}%
11741 \Gscale@div\@tempb\@tempdima\@tempdimb
11742 \ifGin@iso
11743 \ifdim\@tempa\p>\@tempb\p@
11744 \let\@tempa\@tempb
11745 \else
11746 \let\@tempb\@tempa
11747 \fi
11748 \fi
11749 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11750 \@end@tempboxa}

```

67 File geometry-xetex-bidi.def

11751 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]



```

11752 \renewcommand*{\Gm@vrules@mpi}{%
11753 \if@RTLmain%
11754     \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11755     \llap{\Gm@vrule}\ignorespaces
11756     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11757     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11758 \else%
11759 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11760 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11761 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11762 \renewcommand*{\Gm@vrules@mpii}{%
11763 \if@RTLmain%
11764 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11765 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11766 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11767 \else%
11768 \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11769 \llap{\Gm@vrule}\ignorespaces
11770 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11771 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11772 \bidi@patchcmd{\Gm@pageframes}{%
11773 \ifodd\count\z@
11774 \let\@themargin\oddsidemargin
11775 \else
11776 \let\@themargin\evensidemargin
11777 \fi
11778 }{%
11779 \ifodd\count\z@
11780 \if@RTLmain
11781 \let\@themargin\evensidemargin
11782 \else
11783 \let\@themargin\oddsidemargin
11784 \fi
11785 \else
11786 \if@RTLmain
11787 \let\@themargin\oddsidemargin
11788 \else
11789 \let\@themargin\evensidemargin
11790 \fi
11791 \fi
11792 }{}{}

```

68 File hvfloat-xetex-bidi.def

```

11793 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11794 \def\do@hvFloat[#1]#2#3{%
11795 \def\hv@shortCap{#1}
11796 \def\hv@longCap{#2}
11797 \def\hv@label{#3}
11798 %\newcommand*{\hvFloat}[5][[]]{%

```



```

11799% [#1]: keyvalues
11800% #2: type figure | table | ...
11801% #3: float contents
11802% [#4]: short caption
11803% #5: caption
11804% #6: label
11805% \setDefault%
11806% \def\@tempa{#1}%
11807% \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11808% \def\@tempa{90}%
11809% \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11810% \else \setlength{\hvMaxCapWidth}{\linewidth}
11811% \fi
11812%
11813% First we save the object in \hvObjectBox
11814%
11815% \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11816% \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11817% \else
11818% \savebox{\hvObjectBox}{%
11819% \rotatebox{\hvSet@objectAngle}{%
11820% \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11821% \fi
11822% \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11823%
11824% Now we save the caption with its defined \hvCapWidth
11825%
11826% \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11827% \else
11828% \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11829% \else
11830% \setlength{\hvCapWidth}{\hvObjectWidth}
11831% \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11832% \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11833% \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11834% \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11835% \else
11836% \setlength{\hvCapWidth}{\hvMaxCapWidth}
11837% \fi
11838% \fi
11839% \fi
11840%
11841% now we have the object and the caption with the right
11842% rotated angles saved in boxes
11843%
11844% \def\fps@figure{\hvSet@floatPos}
11845% \ifhv@nonFloat\begin% Start the nonfloat part
11846% \else \begin{\hv@floatType}% Start the floating environment
11847% \fi%
11848% \saveCaptionSkip% we put this space ourselves

```



```

11849 \ifx\hvSet@capAngle\hv@Width % need rotation?
11850 \sbox{\hvCaptionBox}{%
11851 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11852 \ifhv@nonFloat%
11853 \ifhv@onlyText#2%
11854 \else%
11855 \ifx\hv@floatType\hv@figure
11856 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11857 \else
11858 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11859 \fi
11860 \fi
11861 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11862 \fi%
11863 \label{#3}%
11864 \end{minipage}%
11865 }%
11866 \else%
11867 \sbox{\hvCaptionBox}{%
11868 \rotatebox{\hvSet@capAngle}{%
11869 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11870 \ifhv@nonFloat%
11871 \ifhv@onlyText#2%
11872 \else%
11873 \ifx\hv@floatType\hv@figure
11874 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11875 \else
11876 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11877 \fi
11878 \fi
11879 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11880 \fi%
11881 \label{#3}%
11882 \end{minipage}%
11883 }%
11884 }%
11885 \fi%
11886 %%
11887 \restoreCaptionSkip% save old values
11888 \ifx\hvSet@objectPos\hv@Right\@bidi@raggedleft%
11889 \else%
11890 \ifx\hvSet@objectPos\hv@Center
11891 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11892 \fi%
11893 \fi%
11894 %
11895 % to rotate object and caption together, we save all in another box
11896 % the caption comes first, if its on the left or the top
11897 %
11898 \savebox{\@tempboxa}{%

```



```

11899 \ifx\hvSet@capPos\hv@Left % caption on left side
11900 \if@RTL%
11901 \ifx\hvSet@capVPos\hv@Center%
11902 \ifhv@fbox
11903 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11904 \else
11905 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11906 \fi%
11907 \hspace{\hvSet@floatCapSep pt}%
11908 \ifhv@fbox
11909 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11910 \else
11911 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11912 \fi%
11913 \else%
11914 \ifx\hvSet@capVPos\hv@Top
11915 \ifhv@fbox
11916 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11917 \else
11918 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11919 \fi%
11920 \hspace{\hvSet@floatCapSep pt}%
11921 \ifhv@fbox
11922 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11923 \else
11924 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11925 \fi
11926 \else
11927 \ifhv@fbox
11928 \fbox{\usebox{\hvObjectBox}}%
11929 \else
11930 \usebox{\hvObjectBox}%
11931 \fi
11932 \hspace{\hvSet@floatCapSep pt}%
11933 \ifhv@fbox
11934 \fbox{\usebox{\hvCaptionBox}}%
11935 \else
11936 \usebox{\hvCaptionBox}%
11937 \fi%
11938 \fi%
11939 \fi%
11940 \else% not RTL
11941 \ifx\hvSet@capVPos\hv@Center%
11942 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11943 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11944 \fi%
11945 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11946 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11947 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11948 \fi%

```



```

11949 \else%
11950 \ifx\hvSet@capVPos\hv@Top % caption at top
11951 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11952 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11953 \fi
11954 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11955 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11956 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11957 \fi%
11958 \else% caption on bottom
11959 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11960 \else\usebox{\hvCaptionBox}
11961 \fi%
11962 \hspace{\hvSet@floatCapSep pt}%
11963 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11964 \else \usebox{\hvObjectBox}
11965 \fi%
11966 \fi%
11967 \fi% end of RTL
11968 \fi%
11969 \else
11970 \ifx\hvSet@capPos\hv@Top
11971 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11972 \begin{minipage}{\wd\hvCaptionBox}
11973 \else
11974 \begin{minipage}{\wd\hvObjectBox}
11975 \fi
11976 \centering
11977 \ifhv@fbox
11978 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11979 \fbbox{\usebox{\hvObjectBox}}
11980 \else
11981 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11982 \usebox{\hvObjectBox}
11983 \fi%
11984 \end{minipage}
11985 \else
11986 \ifx\hvSet@capPos\hv@Bottom
11987 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11988 \begin{minipage}{\wd\hvCaptionBox}
11989 \else
11990 \begin{minipage}{\wd\hvObjectBox}
11991 \fi
11992 \centering
11993 \ifhv@fbox
11994 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11995 \fbbox{\usebox{\hvCaptionBox}}
11996 \else
11997 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11998 \usebox{\hvCaptionBox}

```




```

11999 \fi%
12000 \end{minipage}
12001 \else% the last option: put the caption on the right
12002 \if@RTL%
12003     \ifx\hvSet@capVPos\hv@Center%
12004         \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12005         \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12006         \fi%
12007     \hspace{\hvSet@floatCapSep pt}% capfloatsep
12008     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12009     \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12010     \fi%
12011 \else%
12012     \ifx\hvSet@capVPos\hv@Top % caption at top
12013         \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12014         \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12015         \fi
12016     \hspace{\hvSet@floatCapSep pt}% capfloatsep
12017     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
12018     \else \raisebox{-\height}{\usebox{\hvObjectBox}}
12019     \fi%
12020 \else% caption on bottom
12021     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
12022     \else\usebox{\hvCaptionBox}
12023     \fi%
12024     \hspace{\hvSet@floatCapSep pt}%
12025     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12026     \else \usebox{\hvObjectBox}
12027     \fi%
12028 \fi%
12029 \fi%
12030 \else% not RTL
12031 \ifx\hvSet@capVPos\hv@Center%
12032 \ifhv@fbox
12033 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12034 \else
12035 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12036 \fi%
12037 \hspace{\hvSet@floatCapSep pt}%
12038 \ifhv@fbox
12039 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12040 \else
12041 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12042 \fi%
12043 \else%
12044 \ifx\hvSet@capVPos\hv@Top
12045 \ifhv@fbox
12046 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12047 \else
12048 \raisebox{-\height}{\usebox{\hvObjectBox}}%

```



```

12049 \fi%
12050 \hspace{\hvSet@floatCapSep pt}%
12051 \ifhv@fbox
12052 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12053 \else
12054 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12055 \fi
12056 \else
12057 \ifhv@fbox
12058 \fbox{\usebox{\hvObjectBox}}%
12059 \else
12060 \usebox{\hvObjectBox}%
12061 \fi
12062 \hspace{\hvSet@floatCapSep pt}%
12063 \ifhv@fbox
12064 \fbox{\usebox{\hvCaptionBox}}%
12065 \else
12066 \usebox{\hvCaptionBox}%
12067 \fi%
12068 \fi%
12069 \fi
12070 \fi% end of RTL
12071 \fi
12072 \fi
12073 \fi
12074 }% End savebox Object and caption
12075 %
12076 % now we rotate the object and caption, if needed
12077 %
12078 \ifx\hvSet@rotAngle\hv@Zero
12079 \usebox{\@tempboxa}
12080 \else
12081 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12082 \fi
12083 \ifhv@nonFloat
12084 \ifx\hvSet@objectPos\hv@Center
12085 \ifhv@nonFloat
12086 \hspace{\fill}
12087 \fi
12088 \fi
12089 \endgroup% End the nonfloat part
12090 \else
12091 \end{\hv@floatType}% End the floating environment
12092 \fi
12093 }

```

69 File hyperref-xetex-bidi.def

```

12094 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
12095 \AtBeginDocument{%

```



```

12096 \def\contentsline#1#2#3#4{%
12097   \ifx\\#4\\%
12098     \csname l@#1\endcsname{#2}{#3}%
12099   \else
12100     \ifcase\Hy@linktoc % none
12101       \csname l@#1\endcsname{#2}{#3}%
12102     \or % section
12103       \csname l@#1\endcsname{%
12104         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12105       }{#3}%
12106     \or % page
12107       \csname l@#1\endcsname{{#2}}{%
12108         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12109       }%
12110     \else % all
12111       \csname l@#1\endcsname{%
12112         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12113       }{%
12114         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12115       }%
12116     \fi
12117   \fi
12118 }
12119 \ifHy@hyperfootnotes
12120   \let\H@@footnotetext\@footnotetext
12121   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12122   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12123   \def\xfootnotenext[#1]{%
12124     \begingroup
12125       \csname c@\mpfn\endcsname #1\relax
12126       \unrestored@protected@xdef\@thefnmark{\thempfn}%
12127     \endgroup
12128     \ifx\@footnotetext\@mpfootnotetext
12129       \expandafter\H@@mpfootnotetext
12130     \else
12131       \expandafter\H@@footnotetext
12132     \fi
12133   }%
12134   \def\xRTLfootnotenext[#1]{%
12135     \begingroup
12136       \csname c@\mpfn\endcsname #1\relax
12137       \unrestored@protected@xdef\@thefnmark{\thempfn}%
12138     \endgroup
12139     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12140       \expandafter\HRTL@mpRTLfootnotetext
12141     \else
12142       \expandafter\HRTL@RTLfootnotetext
12143     \fi
12144   }%
12145   \def\xLTRfootnotenext[#1]{%

```



```

12146 \begingroup
12147 \csname c@\mpfn\endcsname #1\relax
12148 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12149 \endgroup
12150 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12151 \expandafter\HLTR@\mpLTRfootnotetext
12152 \else
12153 \expandafter\HLTR@\@LTRfootnotetext
12154 \fi
12155 }%
12156 \def\@xfootnotemark[#1]{%
12157 \begingroup
12158 \c@footnote #1\relax
12159 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12160 \endgroup
12161 \H@\@footnotemark
12162 }%
12163 \let\H@\mpfootnotetext\@mpfootnotetext
12164 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
12165 \let\HLTR@\mpLTRfootnotetext\@mpLTRfootnotetext
12166 \long\def\@mpfootnotetext#1{%
12167 \H@\mpfootnotetext{%
12168 \ifHy@nesting
12169 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12170 \else
12171 \Hy@raisedlink{%
12172 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12173 }#1%
12174 \fi
12175 }%
12176 }%
12177 \long\def\@mpRTLfootnotetext#1{%
12178 \HRTL@\mpRTLfootnotetext{%
12179 \ifHy@nesting
12180 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12181 \else
12182 \Hy@raisedlink{%
12183 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12184 }#1%
12185 \fi
12186 }%
12187 }%
12188 \long\def\@mpLTRfootnotetext#1{%
12189 \HLTR@\mpLTRfootnotetext{%
12190 \ifHy@nesting
12191 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12192 \else
12193 \Hy@raisedlink{%
12194 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12195 }#1%

```



```

12196     \fi
12197   }%
12198 }%
12199 \long\def\@footnotetext#1{%
12200 \H@@footnotetext{%
12201   \ifHy@nesting
12202     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12203   \else
12204     \Hy@raisedlink{%
12205       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12206     }%
12207     \let\@currentHlabel\Hy@footnote@currentHlabel
12208     \let\@currentHref\Hy@footnote@currentHref
12209     \let\@currentlabelname\@empty
12210     #1%
12211   \fi
12212 }%
12213 }%
12214 \long\def\@RTLfootnotetext#1{%
12215 \HRTL@@RTLfootnotetext{%
12216   \ifHy@nesting
12217     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12218   \else
12219     \Hy@raisedlink{%
12220       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12221     }%
12222     \let\@currentHlabel\Hy@footnote@currentHlabel
12223     \let\@currentHref\Hy@footnote@currentHref
12224     \let\@currentlabelname\@empty
12225     #1%
12226   \fi
12227 }%
12228 }%
12229 \long\def\@LTRfootnotetext#1{%
12230 \HLTR@@LTRfootnotetext{%
12231   \ifHy@nesting
12232     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12233   \else
12234     \Hy@raisedlink{%
12235       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12236     }%
12237     \let\@currentHlabel\Hy@footnote@currentHlabel
12238     \let\@currentHref\Hy@footnote@currentHref
12239     \let\@currentlabelname\@empty
12240     #1%
12241   \fi
12242 }%
12243 }%
12244 \@ifpackageloaded{tabularx}{%
12245   \let\HyOrg@TX@endtabularx\TX@endtabularx

```



```

12246 \def\Hy@tabularx@hook{%
12247   \let\@footnotetext\H@@footnotetext
12248   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12249   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12250   \let\@footnotemark\H@@footnotemark
12251   \let\@mpfootnotetext\H@mpfootnotetext
12252   \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
12253   \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
12254 }%
12255 \begingroup
12256   \toks@\expandafter{\TX@endtabularx}%
12257   \xdef\Hy@gtemp{%
12258     \noexpand\Hy@tabularx@hook
12259     \the\toks@
12260   }%
12261 \endgroup
12262 \let\TX@endtabularx\Hy@gtemp
12263 }{}%
12264 \@ifpackageloaded{longtable}{%
12265   \CheckCommand*{\LT@p@LTRftntext}[1]{%
12266     \edef\@tempa{%
12267       \the\LT@p@ftn
12268       \noexpand\LTRfootnotetext[\the\c@footnote]%
12269     }%
12270     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12271   }%
12272   \long\def\LT@p@LTRftntext#1{%
12273     \edef\@tempa{%
12274       \the\LT@p@ftn
12275       \begingroup
12276         \noexpand\c@footnote=\the\c@footnote\relax
12277         \noexpand\protected@xdef\noexpand\@thefnmark{%
12278           \noexpand\thempfn
12279         }%
12280         \noexpand\Hy@LT@LTRfootnotetext{%
12281           \Hy@footnote@currentHref
12282         }%
12283       }%
12284       \global\LT@p@ftn\expandafter{%
12285         \@tempa{#1}%
12286       }%
12287     }%
12288   }%
12289   \long\def\Hy@LT@LTRfootnotetext#1#2{%
12290     \HLTR@@LTRfootnotetext{%
12291       \ifHy@nesting
12292         \hyper@@anchor{#1}{#2}%
12293       \else
12294         \Hy@raisedlink{%
12295           \hyper@@anchor{#1}{\relax}%

```



```

12296         }%
12297         \def\@currentHref{#1}%
12298         \let\@currentlabelname\@empty
12299         #2%
12300     \fi
12301 }%
12302 }%
12303 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12304     \edef\@tempa{%
12305         \the\LT@p@ftn
12306         \noexpand\RTLfootnotetext[\the\c@footnote]%
12307     }%
12308     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12309 }%
12310 \long\def\LT@p@RTLftntext#1{%
12311     \edef\@tempa{%
12312         \the\LT@p@ftn
12313         \begingroup
12314             \noexpand\c@footnote=\the\c@footnote\relax
12315             \noexpand\protected@xdef\noexpand\@thefnmark{%
12316                 \noexpand\thempfn
12317             }%
12318             \noexpand\Hy@LT@RTLfootnotetext{%
12319                 \Hy@footnote@currentHref
12320             }%
12321         }%
12322         \global\LT@p@ftn\expandafter{%
12323             \@tempa{#1}%
12324         \endgroup
12325     }%
12326 }%
12327 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12328     \HRTL@@RTLfootnotetext{%
12329         \ifHy@nesting
12330             \hyper@@anchor{#1}{#2}%
12331         \else
12332             \Hy@raisedlink{%
12333                 \hyper@@anchor{#1}{\relax}%
12334             }%
12335             \def\@currentHref{#1}%
12336             \let\@currentlabelname\@empty
12337             #2%
12338         \fi
12339     }%
12340 }%
12341 }{}%
12342 \@ifpackageloaded{bidipoem}{%
12343     \long\def\bidipoem@p@ftntext#1{%
12344         \edef\@tempx{%
12345             \the\bidipoem@p@ftn

```



```

12346     \begingroup
12347     \noexpand\csname c@\mpfn\endcsname=\the\csname c@\mpfn\endcsname\relax
12348     \noexpand\protected@xdef\noexpand\@thefnmark{%
12349     \noexpand\thempfn
12350     }%
12351     \noexpand\Hy@bidipoem@footnotetext{%
12352     \Hy@footnote@currentHref
12353     }%
12354     }%
12355     \global\bidipoem@p@ftn\expandafter{%
12356     \@tempxi{#1}%
12357     \endgroup
12358     }%
12359     }%
12360     \long\def\Hy@bidipoem@footnotetext#1#2{%
12361     \H@@footnotetext{%
12362     \ifHy@nesting
12363     \hyper@@anchor{#1}{#2}%
12364     \else
12365     \Hy@raisedlink{%
12366     \hyper@@anchor{#1}{\relax}%
12367     }%
12368     \def\@currentHref{#1}%
12369     \let\@currentlabelname\@empty
12370     #2%
12371     \fi
12372     }%
12373     }%
12374     \long\def\bidipoem@p@LTRftntext#1{%
12375     \edef\@tempxi{%
12376     \the\bidipoem@p@ftn
12377     \begingroup
12378     \noexpand\csname c@\mpfn\endcsname=\the\csname c@\mpfn\endcsname\relax
12379     \noexpand\protected@xdef\noexpand\@thefnmark{%
12380     \noexpand\thempfn
12381     }%
12382     \noexpand\Hy@bidipoem@LTRfootnotetext{%
12383     \Hy@footnote@currentHref
12384     }%
12385     }%
12386     \global\bidipoem@p@ftn\expandafter{%
12387     \@tempxi{#1}%
12388     \endgroup
12389     }%
12390     }%
12391     \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12392     \HLTR@@LTRfootnotetext{%
12393     \ifHy@nesting
12394     \hyper@@anchor{#1}{#2}%
12395     \else

```




```

12396      \Hy@raisedlink{%
12397      \hyper@@anchor{#1}{\relax}%
12398      }%
12399      \def\@currentHref{#1}%
12400      \let\@currentlabelname\@empty
12401      #2%
12402      \fi
12403      }%
12404      }%
12405      \long\def\bidipoem@p@RTLftntext#1{%
12406      \edef\@tempxi{%
12407      \the\bidipoem@p@ftn
12408      \begingroup
12409      \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12410      \noexpand\protected\edef\noexpand\@thefnmark{%
12411      \noexpand\thempfn
12412      }%
12413      \noexpand\Hy@bidipoem@RTLfootnotetext{%
12414      \Hy@footnote@currentHref
12415      }%
12416      }%
12417      \global\bidipoem@p@ftn\expandafter{%
12418      \@tempxi{#1}%
12419      \endgroup
12420      }%
12421      }%
12422      \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12423      \HRTL@RTLfootnotetext{%
12424      \ifHy@nesting
12425      \hyper@@anchor{#1}{#2}%
12426      \else
12427      \Hy@raisedlink{%
12428      \hyper@@anchor{#1}{\relax}%
12429      }%
12430      \def\@currentHref{#1}%
12431      \let\@currentlabelname\@empty
12432      #2%
12433      \fi
12434      }%
12435      }%
12436      }{}%
12437      \let\HyOrg@maketitle\maketitle
12438      \def\maketitle{%
12439      \let\Hy@saved@footnotemark\@footnotemark
12440      \let\Hy@saved@footnotetext\@footnotetext
12441      \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12442      \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12443      \let\@footnotemark\H@footnotemark
12444      \let\@footnotetext\H@footnotetext
12445      \let\@RTLfootnotetext\HRTL@RTLfootnotetext

```



```

12446 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12447 \@ifnextchar[\Hy@maketitle@optarg{% ]
12448 \HyOrg@maketitle
12449 \Hy@maketitle@end
12450 }%
12451 }%
12452 \def\Hy@maketitle@optarg[#1]{%
12453 \HyOrg@maketitle[#{#1}]%
12454 \Hy@maketitle@end
12455 }%
12456 \def\Hy@maketitle@end{%
12457 \ifx\@footnotemark\H@@footnotemark
12458 \let\@footnotemark\Hy@saved@footnotemark
12459 \fi
12460 \ifx\@footnotetext\H@@footnotetext
12461 \let\@footnotetext\Hy@saved@footnotetext
12462 \fi
12463 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12464 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12465 \fi
12466 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12467 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12468 \fi
12469 }%
12470 \def\realfootnote{%
12471 \@ifnextchar[\@xfootnote{%
12472 \stepcounter{\@mpfn}%
12473 \protected@xdef\@thefnmark{\thempfn}%
12474 \H@@footnotemark\H@@footnotetext
12475 }%
12476 }%
12477 \fi
12478 \def\Hy@BeginAnnot#1{%
12479 \ifmmode\else\beginL\fi%
12480 \global\advance\c@Hy@AnnotLevel\@ne
12481 \ifnum\c@Hy@AnnotLevel=\@ne
12482 #1%
12483 \fi
12484 }
12485 \def\Hy@endAnnot{%
12486 \ifnum\c@Hy@AnnotLevel=\@ne
12487 \Hy@endcolorlink
12488 \@pdfmark{eann}%
12489 \fi
12490 \global\advance\c@Hy@AnnotLevel\m@ne
12491 \ifmmode\else\endL\fi%
12492 }
12493 \def\hyper@link#1#2#3{%
12494 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\
12495 }

```



```

12496 \def\hyper@linkfile#1#2#3{%
12497   \leavevmode
12498   \Hy@BeginAnnot{%
12499     \def\Hy@pstringF{#2}%
12500     \Hy@CleanupFile\Hy@pstringF
12501     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12502     \Hy@pstringdef\Hy@pstringD{#3}%
12503     \Hy@MakeRemoteAction
12504     \@pdfm@mark{%
12505       bann<<%
12506         /Type/Annot%
12507         /Subtype/Link%
12508         \ifHy@pdfa /F 4\fi
12509         \Hy@setpdfborder
12510         \ifx\@filebordercolor\relax
12511         \else
12512           /C[\@filebordercolor]%
12513         \fi
12514         /A<<%
12515         /S/GoToR%
12516         /F(\Hy@pstringF)%
12517         /D%
12518         \ifx\#3\%
12519           [\Hy@href@page\@pdfremotestartview]%
12520         \else
12521           (\Hy@pstringD)%
12522         \fi
12523         \Hy@SetNewWindow
12524         \Hy@href@nextactionraw
12525       >>%
12526     >>%
12527   }%
12528   \Hy@colorlink\@filecolor
12529 }%
12530 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12531 \Hy@EndAnnot
12532 }
12533 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12534   \leavevmode
12535   \Hy@BeginAnnot{%
12536     \Hy@pstringdef\Hy@pstringF{#1}%
12537     \Hy@pstringdef\Hy@pstringP{#3}%
12538     \@pdfm@mark{%
12539       bann<<%
12540         /Type/Annot%
12541         /Subtype/Link%
12542         \ifHy@pdfa /F 4\fi
12543         \Hy@setpdfborder
12544         \ifx\@runbordercolor\relax
12545         \else

```



```

12546         /C[\@runbordercolor]%
12547     \fi
12548     /A<<%
12549         /F(\Hy@pstringF)%
12550         /S/Launch%
12551         \Hy@SetNewWindow
12552         \ifx\#3\%
12553         \else
12554             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12555         \fi
12556         \Hy@href@nextactionraw
12557     >>%
12558 >>%
12559 }%
12560 \Hy@colorlink\@runcolor
12561 }%
12562 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12563 \Hy@EndAnnot
12564 }
12565 \def\hyper@linkurl#1#2{%
12566     \leavevmode
12567     \Hy@BeginAnnot{%
12568         \Hy@pstringdef\Hy@pstringURI{#2}%
12569         \@pdfmark{%
12570             bann<<%
12571                 /Type/Annot%
12572                 /Subtype/Link%
12573                 \ifHy@pdfa /F 4\fi
12574                 \Hy@setpdfborder
12575                 \ifx\@urlbordercolor\relax
12576                 \else
12577                     /C[\@urlbordercolor]%
12578                 \fi
12579                 /A<<%
12580                 /S/URI%
12581                 /URI(\Hy@pstringURI)%
12582                 \ifHy@href@ismap
12583                     /IsMap true%
12584                 \fi
12585                 \Hy@href@nextactionraw
12586             >>%
12587             >>%
12588             }%
12589             \Hy@colorlink\@urlcolor
12590         }%
12591         \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12592         \Hy@EndAnnot
12593     }
12594     \def\Acrobatmenu#1#2{%
12595         \Hy@Acrobatmenu{#1}{#2}%

```



```

12596 \Hy@BeginAnnot{%
12597 \EdefEscapeName\Hy@temp@menu{#1}%
12598 \@pdfm@mark{%
12599 bann<<%
12600 /Type/Annot%
12601 /Subtype/Link%
12602 \ifHy@pdfa /F 4\fi
12603 \Hy@setpdfborder
12604 \ifx\@menubordercolor\relax
12605 \else
12606 /C[\@menubordercolor]%
12607 \fi
12608 /A<<%
12609 /S/Named%
12610 /N/\Hy@temp@menu
12611 \Hy@href@nextactionraw
12612 >>%
12613 >>%
12614 }%
12615 \Hy@colorlink\@menucolor
12616 }%
12617 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12618 \Hy@endAnnot
12619 }%
12620 }
12621 \def\hyper@natlinkstart#1{%
12622 \Hy@backout{#1}%
12623 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12624 \def\hyper@nat@current{#1}%
12625 }
12626 \def\hyper@natlinkend{%
12627 \if@RTL\endR\fi\hyper@linkend
12628 }
12629 \def\hyper@natlinkbreak#1#2{%
12630 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12631 }%
12632 }
12633 \pdfstringdefDisableCommands{%
12634 \let\LRE\@firstofone
12635 \let\LR\@firstofone
12636 \let\RLE\@firstofone
12637 \let\RL\@firstofone
12638 \def\XeTeX{XeTeX}
12639 \def\XeLaTeX{XeLaTeX}
12640 }
12641 \@ifpackageloaded{longtable}{%
12642 \begingroup
12643 \def\y{\LT@array}%
12644 \@ifundefined{scr@LT@array}{%
12645 \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%

```



```

12646 }{\def\y{\scr@LT@array}}%
12647 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12648   \expandafter\endgroup
12649   \expandafter\def\y[##1]##2{%
12650     \H@refstepcounter{#1}%
12651     \hyper@makecurrent{table}%
12652     \let\Hy@LT@currentHref\@currentHref
12653     #2\@sharp####4%
12654   }%
12655 }%
12656 \expandafter\expandafter\expandafter\x\y[{#1}]{#2}\@nil
12657 \begingroup
12658   \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12659     \endgroup
12660     \def\LT@start{%
12661       #1%
12662       \ifvoid\LT@foot#2\fi
12663       \let\@currentHref\Hy@LT@currentHref
12664       \Hy@raisedlink{%
12665         \hyper@anchorstart{\@currentHref}\hyper@anchorend
12666       }%
12667       #3%
12668     }%
12669   }%
12670 \expandafter\x\LT@start\@nil
12671 }{}

```

70 File `imsproc-xetex-bidi.def`

```

12672 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for ]
12673 \newenvironment{thebibliography}[1]{%
12674   \@bibtitlestyle
12675   \normalfont\bibliofont\labelsep .5em\relax
12676   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12677   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12678   \bidi@thebibliography@font@hook
12679   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12680     \leftmargin\labelwidth \advance\leftmargin\labelsep
12681     \usecounter{enumiv}}%
12682   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12683   \sfcode`\.=\@m
12684 }{%
12685   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12686   \endlist
12687 }
12688
12689 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12690   \columnseprule\z@ \columnsep 35\p@
12691   \@indextitlestyle
12692   \thispagestyle{plain}%

```



```

12693 \let\item\@idxitem
12694 \parindent\z@ \parskip\z@\@plus.3\p@\relax
12695 \if@RTL\raggedleft\else\raggedright\fi
12696 \hyphenpenalty\@M
12697 \footnotesize}
12698 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12699 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12700 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12701
12702 \def\right@footnoterule{%
12703 \kern-.4\p@
12704 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12705 \kern11\p@\kern-\footnotesep}
12706 \def\left@footnoterule{\kern-.4\p@
12707 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12708 \def\@makefnmark{%
12709 \leavevmode
12710 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12711 }
12712
12713 \def\part{\@startsection{part}{0}%
12714 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
12715 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12716 \def\@tocline#1#2#3#4#5#6#7{\relax
12717 \ifnum #1>\c@tocdepth % then omit
12718 \else
12719 \par \addpenalty\@secpenalty\addvspace{#2}%
12720 \begingroup \hyphenpenalty\@M
12721 \@ifempty{#4}{%
12722 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12723 }{%
12724 \@tempdima#4\relax
12725 }%
12726 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
12727 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12728 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12729 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12730 \nobreak
12731 \endgroup
12732 \fi}
12733 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12734 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12735 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12736 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12737 \def\maketitle{\par
12738 \@topnum\z@ % this prevents figures from falling at the top of page 1
12739 \@setcopyright
12740 \thispagestyle{firstpage}% this sets first page specifications
12741 \uppercasenonmath\shorttitle
12742 \ifx\@empty\shortauthors \let\shortauthors\shorttitle

```



```

12743 \else \andify\shortauthors
12744 \fi
12745 \@maketitle@hook
12746 \begingroup
12747 \@maketitle
12748 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
12749 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
12750 \edef\@tempa{%
12751   \@nx\markboth{\the\toks4
12752     \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12753 \@tempa
12754 \endgroup
12755 \c@footnote\z@
12756 \@cleartopmattertags
12757 }

```

71 File leqno-xetex-bidi.def

```

12758 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX e
12759 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12760 \rlap{\hskip -\displaywidth
12761   {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```

72 File letter-xetex-bidi.def

```

12762 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
12763 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
12764   \thispagestyle{firstpage}%
12765   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12766 \else % home address
12767   \thispagestyle{empty}%
12768   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12769     \fromaddress \*[2\parskip]%
12770     \@date \end{tabular}\par}%
12771 \fi
12772 \vspace{2\parskip}%
12773 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
12774 \vspace{2\parskip}%
12775 #1\par\nobreak}
12776 \renewcommand\left@footnoterule{%
12777   \kern-\p@
12778   \hrule \@width .4\columnwidth
12779   \kern .6\p@}
12780 \renewcommand\right@footnoterule{%
12781   \kern-\p@
12782   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12783   \kern .6\p@}

```

73 File lettrine-xetex-bidi.def




```

12784 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package]
12785 \def\@lettrine[#1]#2#3{%
12786   \setcounter{L@lines}{\theDefaultLines}%
12787   \setcounter{L@depth}{\theDefaultDepth}%
12788   \renewcommand*{\L@hang}{\DefaultLhang}%
12789   \renewcommand*{\L@oversize}{\DefaultLoversize}%
12790   \renewcommand*{\L@raise}{\DefaultLraise}%
12791   \renewcommand*{\L@ante}{}%
12792   \setlength{\L@Findent}{\DefaultFindent}%
12793   \setlength{\L@Nindent}{\DefaultNindent}%
12794   \setlength{\L@slope}{\DefaultSlope}%
12795   \setlength{\L@novskip}{\DiscardVskip}%
12796   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12797   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12798   \if\DefaultOptionsFile\relax
12799   \else
12800     \begingroup
12801     \InputIfFileExists{\DefaultOptionsFile}%
12802     {}%
12803     {\PackageWarning{lettrine.sty}%
12804      {File \DefaultOptionsFile\space not found}}%
12805     {}%
12806     \def\color##1##{\l@color{##1}}%
12807     \let\l@color\@gobbletwo
12808     \def\textcolor##1##{\l@textcolor{##1}}%
12809     \def\l@textcolor##1##2##3{##3}%
12810     \expandafter\ifx\csname l@#2-keys\endcsname\relax
12811       \gdef\l@LOKeys{%
12812         \else
12813         \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12814         \fi
12815       \endgroup
12816       \def\KV@prefix{KV@L@}%
12817       \let\@tempc\relax
12818       \expandafter\KV@do\l@LOKeys,\relax,
12819       \sbox{\L@lbox}{\LettrineFont #2}%
12820       \setlength{\LettrineWidth}{\wd\L@lbox}%
12821       \def\KV@prefix{KV@L@}%
12822       \let\@tempc\relax
12823       \expandafter\KV@do\l@LOKeys,\relax,
12824       \fi
12825       \setkeys{L}{#1}%
12826       \ifL@image
12827         \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12828       \else
12829         \sbox{\L@lbox}{\LettrineFont #2}%
12830       \fi
12831       \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12832       \@tempdima=\baselineskip
12833       \ifnum\theL@lines=1

```



```

12834 \setlength{\L@first}{\ht\L@lbox}%
12835 \addtolength{\L@first}{-\ht\L@tbox}%
12836 \setlength{\L@lraise}{\z@}%
12837 \else
12838 \setlength{\L@first}{-\theL@lines\@tempdima}%
12839 \addtolength{\L@first}{\@tempdima}%
12840 \sbox{\@tempboxa}{\LettrineTextFont x}%
12841 \addtolength{\L@first}{-\ht\@tempboxa}%
12842 \setlength{\L@lraise}{-\L@raise\L@first}%
12843 \addtolength{\L@first}{\L@lraise}%
12844 \addtolength{\L@first}{\ht\L@lbox}%
12845 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12846 \addtolength{\L@lraise}{\@tempdima}%
12847 \fi
12848 \par
12849 \ifdim\L@first>\L@novskip
12850 \ifL@grid
12851 \@tempdima=\baselineskip
12852 \@tempdimb=\@tempdima
12853 \advance\@tempdimb by \L@novskip
12854 \@tempcnta=1
12855 \loop\ifdim\L@first>\@tempdimb
12856 \advance\@tempcnta by 1
12857 \advance\L@first by -\@tempdima
12858 \repeat
12859 \vskip\@tempcnta\baselineskip
12860 \else
12861 \vskip\L@first
12862 \fi
12863 \fi
12864 \setlength{\L@Pindent}{\wd\L@lbox}%
12865 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12866 \settowidth{\L@first}{\L@ante}%
12867 \addtolength{\L@Pindent}{\L@first}%
12868 \addtolength{\L@Pindent}{\L@Findent}%
12869 \setlength{\L@first}{\linewidth}%
12870 \addtolength{\L@first}{-\L@Pindent}%
12871 \addtolength{\L@Nindent}{\L@Pindent}%
12872 \setlength{\L@next}{\linewidth}%
12873 \addtolength{\L@next}{-\L@Nindent}%
12874 \addtolength{\L@Pindent}{\rightmargin}%
12875 \addtolength{\L@Nindent}{\rightmargin}%
12876 \setlength{\LettrineWidth}{\wd\L@lbox}%
12877 \setlength{\LettrineHeight}{\ht\L@lbox}%
12878 \setlength{\LettrineDepth}{\dp\L@lbox}%
12879 \addtocounter{L@lines}{1}%
12880 \addtocounter{L@lines}{\the\c@L@depth}%
12881 \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
12882 \@tempcnta=\tw@
12883 \@whilenum \@tempcnta<\c@L@lines\do{

```



```

12884 \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \tl
12885 \addtolength{\L@Nindent}{\L@slope}%
12886 \addtolength{\L@next}{-\L@slope}%
12887 \advance\@tempcnta\@ne}%
12888 \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \tl
12889 \noindent
12890 \parshape=\L@parshape\relax
12891 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12892 \hskip \the\L@Findent}}}%
12893 \usebox{\L@tbox}}%
12894 }

```

74 File lineno-xetex-bidi.def

```

12895 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for X
12896 \bidi@patchcmd{\MakeLineNo}{%
12897 \hb@xt@\z@\makeLineNumber}%
12898 }{%
12899 \hboxL to \z@\makeLineNumber}%
12900 }{}{}
12901
12902 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
12903 \if@RTL
12904 \hb@xt@\linenumberwidth{\LineNumber\hss}%
12905 \else
12906 \LineNumber
12907 \fi
12908 }{}{}
12909
12910 \bidi@patchcmd{\makeLineNumberRight}{%
12911 \hb@xt@\linenumberwidth{\hss\LineNumber}%
12912 }{%
12913 \if@RTL
12914 \LineNumber
12915 \else
12916 \hb@xt@\linenumberwidth{\hss\LineNumber}%
12917 \fi
12918 }{}{}
12919
12920 \bidi@AfterPreamble{%
12921 \if@RTLmain
12922 \rightlinenumbers*
12923 \else
12924 \leftlinenumbers*
12925 \fi
12926 \@ifpackagewith{lineno}{left}{%
12927 \leftlinenumbers*
12928 }{}
12929 \@ifpackagewith{lineno}{right}{%
12930 \rightlinenumbers*

```



```

12931 }{}
12932 }
12933

```

75 File listings-xetex-bidi.def

```

12934 \ProvidesFile{listings-xetex-bidi.def}[2017/01/14 v1.4 bidi adaptations for listings package]
12935 \lst@Key{captiondirection}{textdirection}{%
12936   \lstKV@SwitchCases{#1}%
12937   {textdirection&\\%
12938     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12939     LTR&\chardef\bidi@lst@caption@direction\z@%
12940   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12941
12942 \lst@Key{captionscript}{textscript}{%
12943   \lstKV@SwitchCases{#1}%
12944   {textscript&\\%
12945     latin&\chardef\bidi@lst@caption@script\@ne\\%
12946     nonlatin&\chardef\bidi@lst@caption@script\z@%
12947   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12948
12949 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12950   \@ifundefined{bidi@lst@caption@direction}{\}%
12951   \ifnum\bidi@lst@caption@direction=\z@%
12952     #1%
12953   \else%
12954     \ifnum\bidi@lst@caption@direction=\@ne%
12955       #2%
12956     \fi%
12957   \fi%
12958 }}
12959
12960 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
12961   \@ifundefined{bidi@lst@caption@script}{\}%
12962   \ifnum\bidi@lst@caption@script=\z@%
12963     #1%
12964   \else%
12965     \ifnum\bidi@lst@caption@script=\@ne%
12966       #2%
12967     \fi%
12968   \fi%
12969 }}
12970
12971 \long\def\@bidi@lst@makecaption#1#2{%
12972   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12973   \vskip\abovecaptionskip
12974   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12975   \sbox\@tempboxa{%
12976     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12977     #1: #2%

```



```

12978 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12979 }%
12980 \ifdim \wd\@tempboxa >\hsize
12981 #1: #2\par
12982 \else
12983 \global \@minipagefalse
12984 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12985 \fi
12986 \vskip\belowcaptionskip}%
12987 \def\lst@makecaption{\@bidi@lst@makecaption}
12988 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12989 \bidi@AtEndPreamble{%
12990 \bidi@patchcmd{\lst@MakeCaption}{%
12991 \ifx #1t%
12992 \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
12993 \expandafter\refstepcounter
12994 \fi \lstlisting}%
12995 }{%
12996 \ifx #1t%
12997 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12998 \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
12999 \expandafter\refstepcounter
13000 \fi \lstlisting}%
13001 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13002 }{}%
13003 \bidi@patchcmd{\lst@MakeCaption}{%
13004 \addcontentsline{lol}{\lstlisting}%
13005 {\protect\numberline{\thelstlisting}\lst@caption}%
13006 }{%
13007 \begingroup%
13008 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13009 \addcontentsline{lol}{\lstlisting}%
13010 {\protect\numberline{\thelstlisting}\lst@caption}%
13011 \endgroup%
13012 }{}%
13013 }
13014 \@ifpackageloaded{caption}{%
13015 \AtBeginCaption{%
13016 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13017 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13018 }
13019 \let\@bidi@lst@makecaption\caption@makecaption%
13020 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
13021 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
13022 }{%
13023 \AtBeginDocument{%
13024 \@ifundefined{captionlabelfalse}{}{%
13025 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
13026 \@ifundefined{caption@startrue}{}{%
13027 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%

```



```

13028 }%
13029 }
13030 \AtBeginDocument{
13031   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{\fi}
13032   \lst@ifnumberbychapter
13033     \gdef\thelstlisting%
13034       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13035   \else
13036     \gdef\thelstlisting{\@arabic\c@lstlisting}
13037   \fi}

```

76 File loadingorder-xetex-bidi.def

```

13038 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13039 \bidi@isloaded{amsmath}
13040 \bidi@isloaded{amstext}
13041 \bidi@isloaded{amsthm}
13042 \bidi@isloaded{animate}
13043 \bidi@isloaded{breqn}
13044 \bidi@isloaded{cals}
13045 \bidi@isloaded{caption}
13046 \bidi@isloaded{crop}
13047 \bidi@isloaded{cuted}
13048 \bidi@isloaded{cutwin}
13049 \bidi@isloaded{color}
13050 \bidi@isloaded{dblfnote}
13051 \bidi@isloaded{diagbox}
13052 \bidi@isloaded{xcolor}
13053 \bidi@isloaded{colortbl}
13054 \bidi@isloaded{float}
13055 \bidi@isloaded{floatrow}
13056 \bidi@isloaded{flowfram}
13057 \bidi@isloaded{framed}
13058 \bidi@isloaded{ftnright}
13059 \bidi@isloaded{xltextra}
13060 \bidi@isloaded{xunicode}
13061 \bidi@isloaded{wrapfig}
13062 \bidi@isloaded{graphicx}
13063 \bidi@isloaded{geometry}
13064 \bidi@isloaded{hvfloat}
13065 \bidi@isloaded{mdframed}
13066 \bidi@isloaded{midfloat}
13067 \bidi@isloaded{ntheorem}
13068 \bidi@isloaded{ntheorem-hyper}
13069 \bidi@isloaded{hyperref}
13070 \bidi@isloaded{fancybox}
13071 \bidi@isloaded{fancyhdr}
13072 \bidi@isloaded{fix2col}
13073 \bidi@isloaded{draftwatermark}
13074 \bidi@isloaded{empheq}

```



```

13075 \bidi@isloaded{overpic}
13076 \bidi@isloaded{pdfpages}
13077 \bidi@isloaded{listings}
13078 \bidi@isloaded{lettrine}
13079 \bidi@isloaded{lineno}
13080 \bidi@isloaded{media9}
13081 \bidi@isloaded{pstricks}
13082 \bidi@isloaded{pgf}
13083 \bidi@isloaded{picinpar}
13084 \bidi@isloaded{quotchap}
13085 \bidi@isloaded{tikz}
13086 \bidi@isloaded{titlesec}
13087 \bidi@isloaded{titletoc}
13088 \bidi@isloaded{array}
13089 \bidi@isloaded{soul}
13090 \bidi@isloaded{stabular}
13091 \bidi@isloaded{subfig}
13092 \bidi@isloaded{subfigure}
13093 \bidi@isloaded{supertabular}
13094 \bidi@isloaded{xtab}
13095 \bidi@isloaded{longtable}
13096 \bidi@isloaded{arydshln}
13097 \bidi@isloaded{multicol}
13098 \bidi@isloaded{multienum}
13099 \bidi@isloaded{minitoc}
13100 \bidi@isloaded{natbib}
13101 \bidi@isloaded{newfloat}
13102 \bidi@isloaded{ragged2e}
13103 \bidi@isloaded{rotating}
13104 \bidi@isloaded{tbls}
13105 \bidi@isloaded{tabulary}
13106 \bidi@isloaded{tocbasic}
13107 \bidi@isloaded{tocstyle}
13108 \bidi@isloaded{tocbibind}
13109 \bidi@isloaded{fontspec}
13110 \bidi@isloaded{arabxetex}
13111 \bidi@isloaded{polyglossia}
13112 \bidi@isloaded{fancyvrb}
13113 \AtBeginDocument{
13114   \if@bidi@amsmathloaded@ \else
13115     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13116   \fi%
13117   \if@bidi@amstextloaded@ \else
13118     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13119   \fi%
13120   \if@bidi@amsthmloaded@ \else
13121     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}{}]
13122   \fi%
13123   \if@bidi@animateloaded@ \else
13124     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}{}]

```



```

13125 \fi%
13126 \if@bidi@breqnloaded@else
13127   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package.
13128 \fi%
13129   \if@bidi@calsloaded@else
13130   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package.
13131 \fi%
13132 \if@bidi@captionloaded@else
13133   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package.
13134 \fi%
13135 \if@bidi@croploaded@else
13136   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package.
13137 \fi%
13138 \if@bidi@colorloaded@else
13139   \ifpackageloaded{hyperref}{\fi%
13140   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package.
13141 \fi%
13142 \if@bidi@cutwinloaded@else
13143   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package.
13144 \fi%
13145   \if@bidi@cutedloaded@else
13146   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package.
13147 \fi%
13148 \if@bidi@dblfnoteloaded@else
13149   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
13150 \fi%
13151 \if@bidi@diagboxloaded@else
13152   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package.
13153 \fi%
13154 \if@bidi@xcolorloaded@else
13155   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package.
13156 \fi%
13157 \if@bidi@colortblloaded@else
13158   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
13159 \fi%
13160 \if@bidi@floatloaded@else
13161   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package.
13162 \fi%
13163   \if@bidi@floatrowloaded@else
13164   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
13165 \fi%
13166 \if@bidi@flowframloaded@else
13167   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
13168 \fi%
13169 \if@bidi@framedloaded@else
13170   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package.
13171 \fi%
13172   \if@bidi@ftnrightloaded@else
13173   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
13174 \fi%

```




```

13175 \if@bidi@xltxtraloaded@else
13176   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi packag
13177 \fi%
13178 \if@bidi@xunicodeloaded@else
13179   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13180 \fi%
13181 \if@bidi@wrapfigloaded@else
13182   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packag
13183 \fi%
13184 \if@bidi@graphicxloaded@else
13185   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13186 \fi%
13187   \if@bidi@geometryloaded@else
13188     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13189 \fi%
13190 \if@bidi@hvfloatloaded@else
13191   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packag
13192 \fi%
13193   \if@bidi@mdframedloaded@else
13194     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13195 \fi%
13196     \if@bidi@midfloatloaded@else
13197       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13198 \fi%
13199     \if@bidi@ntheoremloaded@else
13200       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13201 \fi%
13202 \if@bidi@hyperrefloaded@else
13203   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13204 \fi%
13205   \if@bidi@fancyboxloaded@else
13206     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13207 \fi%
13208 \if@bidi@fancyhdrloaded@else
13209   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13210 \fi%
13211 \if@bidi@draftwatermarkloaded@else
13212   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid
13213 \fi%
13214 \if@bidi@empheqloaded@else
13215   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13216 \fi%
13217   \if@bidi@overpicloaded@else
13218     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packa
13219 \fi%
13220 \if@bidi@pdfpagesloaded@else
13221   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13222 \fi%
13223 \if@bidi@lettrineloaded@else
13224   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa

```



```

13225 \fi%
13226 \if@bidi@linenoloaded@else
13227 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package}{}]
13228 \fi%
13229 \if@bidi@listingsloaded@else
13230 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package}{}]
13231 \fi%
13232 \csname if@bidi@media9loaded@endcsname\else
13233 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package}{}]
13234 \fi%
13235 \if@bidi@pstricksloaded@else
13236 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package}{}]
13237 \fi%
13238 \if@bidi@pgfloaded@else
13239 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package}{}]
13240 \fi%
13241 \if@bidi@picinparloaded@else
13242 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package}{}]
13243 \fi%
13244 \if@bidi@quotchaploaded@else
13245 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package}{}]
13246 \fi%
13247 \if@bidi@tikzloaded@else
13248 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package}{}]
13249 \fi%
13250 \if@bidi@titlesecloaded@else
13251 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package}{}]
13252 \fi%
13253 \if@bidi@titletocloaded@else
13254 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package}{}]
13255 \fi%
13256 \if@bidi@arrayloaded@else
13257 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package}{}]
13258 \fi%
13259 \if@bidi@stabularloaded@else
13260 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package}{}]
13261 \fi%
13262 \if@bidi@soulloaded@else
13263 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package}{}]
13264 \fi%
13265 \if@bidi@subfigloaded@else
13266 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package}{}]
13267 \fi%
13268 \if@bidi@subfigureloaded@else
13269 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package}{}]
13270 \fi%
13271 \if@bidi@supertabularloaded@else
13272 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi package}{}]
13273 \fi%
13274 \if@bidi@xtableloaded@else

```



```

13275 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
13276 \fi%
13277 \if@bidi@longtableloaded@else
13278 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13279 \fi%
13280 \if@bidi@arydshlnloaded@else
13281 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13282 \fi%
13283 \if@bidi@multicolloaded@else
13284 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13285 \fi%
13286 \if@bidi@multienumloaded@else
13287 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13288 \fi%
13289 \if@bidi@minitocloaded@else
13290 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packag
13291 \fi%
13292 \if@bidi@natbibloaded@else
13293 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packag
13294 \fi%
13295 \if@bidi@newfloatloaded@else
13296 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13297 \fi%
13298 \csname if@bidi@ragged2eloaded@endcsname\else
13299 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13300 \fi%
13301 \if@bidi@rotatingloaded@else
13302 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13303 \fi%
13304 \if@bidi@tblsloaded@else
13305 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package
13306 \fi%
13307 \if@bidi@tabularyloaded@else
13308 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13309 \fi%
13310 \if@bidi@tocbasicloaded@else
13311 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13312 \fi%
13313 \if@bidi@tocstyleloaded@else
13314 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13315 \fi%
13316 \if@bidi@tocbibindloaded@else
13317 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13318 \fi%
13319 \if@bidi@fontspecloaded@else
13320 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa
13321 \fi%
13322 \if@bidi@arabxetexloaded@else
13323 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13324 \fi%

```



```

13325 \if@bidi@polyglossialoaded@else
13326 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi pa
13327 \fi%
13328 \if@bidi@fancyvrbloaded@else
13329 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
13330 \fi%
13331 }

```

77 File longtable-xetex-bidi.def

```

13332 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13333 \def\LT@array[#1]#2{%
13334 \refstepcounter{table}\stepcounter{LT@tables}%
13335 \if l#1%
13336 \if@RTLtab\LTleft\fill \Ltright\z@else\LTleft\z@ \Ltright\fill\fi
13337 \else\if r#1%
13338 \if@RTLtab\LTleft\z@ \Ltright\fill\else\LTleft\fill \Ltright\z@\fi
13339 \else\if c#1%
13340 \LTleft\fill \Ltright\fill
13341 \fi\fi\fi
13342 \let\LT@mcol\multicolumn
13343 \let\LT@@tabarray\@tabarray
13344 \let\LT@@hl\hline
13345 \def\@tabarray{%
13346 \let\hline\LT@@hl
13347 \LT@@tabarray}%
13348 \let\LT@tabularcr\let\tabularnewline\%
13349 \def\newpage{\noalign{\break}}%
13350 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13351 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}%
13352 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13353 \@tempdima\ht\strutbox
13354 \let\@endpbox\LT@endpbox
13355 \ifx\extrarowheight\@undefined
13356 \let\@acol\@tabacol
13357 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13358 \def\@startpbox{\vtop\LT@startpbox}%
13359 \let\@@startpbox\@startpbox
13360 \let\@@endpbox\@endpbox
13361 \let\LT@LL@FM@cr\@tabularcr
13362 \else
13363 \advance\@tempdima\extrarowheight
13364 \col@sep\@tabcolsep
13365 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13366 \fi
13367 \setbox\@arstrutbox\hbox{\vrule
13368 \@height \arraystretch \@tempdima
13369 \@depth \arraystretch \dp \strutbox
13370 \@width \z@}%
13371 \let\@sharp#\let\protect\relax

```



```

13372 \beginngroup
13373 \mkpream{#2}%
13374 \xdef\LT@bchunk{%
13375   \global\advance\c@LT@chunks\@ne
13376   \global\LT@rows\z@\setbox\z@\vbox\bgroup
13377   \LT@setprevdepth
13378   \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13379   \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13380 \endgroup
13381 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13382 \LT@make@row
13383 \m@th\let\par\@empty
13384 \everycr{}\lineskip\z@\baselineskip\z@
13385 \LT@bchunk}
13386 \def\LT@makecaption#1#2#3{%
13387   \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13388     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13389     \ifdim\wd\@tempboxa>\hsize
13390       #1{#2: }#3%
13391     \else
13392       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13393     \fi
13394     \endgraf\vskip\baselineskip}%
13395   \hss}}
13396 \ifpackageloaded{caption}{%
13397   \renewcommand\LT@makecaption[3]{%
13398     \caption@LT@make{%
13399       \caption@settype*\LTcaptype
13400       \ifdim\LTcapwidth=4in \else
13401         \setcaptionwidth\LTcapwidth
13402       \fi
13403       \caption@setoptions{longtable}%
13404       \caption@setoptions{@longtable}%
13405       \caption@LT@setup
13406       \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13407       \caption@startrue#1\caption@starfalse
13408       \caption@prepare@stepcounter\LTcaptype{LT}%
13409       \caption@begin\LTcaptype
13410       \caption@normalsize
13411       \vskip-\ht\strutbox
13412       \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13413       \caption@@make{#2}{#3}\endgraf
13414       \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13415       \caption@end}}}%
13416 }{}
13417 \def\LT@startpbox#1{%
13418   \bgroup
13419   \let\@footnotetext\LT@p@fnttext
13420   \let\@LTRfootnotetext\LT@p@LTRfnttext
13421   \let\@RTLfootnotetext\LT@p@RTLfnttext

```



```

13422 \setlength\hsize{#1}%
13423 \arrayparboxrestore
13424 \vrule \@height \ht\@arstrutbox \@width \z@}
13425 \def\LT@p@LTRftntext#1{%
13426 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
13427 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13428 \def\LT@p@RTLftntext#1{%
13429 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
13430 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13431
13432
13433 \def\LT@output{%
13434 \ifnum\outputpenalty <-\@Mi
13435 \ifnum\outputpenalty > -\LT@end@pen
13436 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13437 \else
13438 \setbox\z@\vbox{\unvbox\@cclv}%
13439 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13440 \dimen@pagegoal
13441 \advance\dimen@-\ht\LT@lastfoot
13442 \ifdim\dimen@<\ht\z@
13443 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13444 \makecol
13445 \outputpage
13446 \setbox\z@\vbox{\box\LT@head}%
13447 \fi
13448 \fi
13449 \global\@colroom\@colht
13450 \global\vsizel\@colht
13451 \vbox
13452 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13453 \fi
13454 \else
13455 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13456 \makecol
13457 \outputpage
13458 \global\vsizel\@colroom
13459 \copy\LT@head\nobreak
13460 \fi}

```

78 File mathtools-xetex-bidi.def

```

13461 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13462 \MHInternalSyntaxOn
13463 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13464 \namedef{MT_tagform_#1:n}##1
13465 {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i
13466 }
13467 \renewtagform{default}{\{()\}}
13468 \MHInternalSyntaxOff

```



79 File mdframed-xetex-bidi.def

```

13469 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13470 \newif\if@bidi@mdf@RTL
13471 \def\mdf@lrbox#1{%
13472   \mdf@patchamsthm%patch amsthm
13473   \if@RTL\@bidi@mdf@RTLtrue\fi%
13474   \@RTLfalse%
13475   \setbox#1\vbox\bgroup%
13476   \color@begingroup%
13477   \if@bidi@mdf@RTL\@RTLtrue\fi%
13478   \mdf@horizontalmargin@equation%
13479   \columnwidth=\hsize%
13480   \textwidth=\hsize%
13481   \let\if@nobreak\iffalse%
13482   \let\if@noskipsec\iffalse%
13483   \let\par\@par%
13484   \let\-\@dischyph%
13485   \let'\@acci\let'\@accii\let\=\@acciii%
13486   \parindent\z@ \parskip\z@skip%
13487   \linewidth\hsize%
13488   \@totalleftmargin\z@%
13489   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13490   \parfillskip\@flushglue \lineskip\normallineskip%
13491   \baselineskip\normalbaselineskip%
13492   %% \sloppy%
13493   \let\\\@normalcr%
13494   \mdf@par@local%New feature to restore parskip/parindent local in save box
13495   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13496   \@afterindentfalse%
13497   %\@afterheading%
13498 }
13499 \renewrobustcmd\mdfframedtitleenv[1]{%
13500   \mdf@lrbox{\mdf@frametitlebox}%
13501   \mdf@frametitlealignment%
13502   \leavevmode{\color{\mdf@frametitlefontcolor}%
13503     \normalfont\mdf@frametitlefont{#1}
13504     \ifbool{mdf@ignorelastdescenders}%
13505       {%
13506         \par\strut\par
13507         \unskip\unskip\setbox0=\lastbox
13508         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13509       }{}}%
13510   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13511   \endmdf@lrbox\relax%
13512   \mdf@ignorevbaddness%
13513   \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13514   \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13515   \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13516   \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%

```



```

13517 \mdfframetitleboxtotalheight=\dimexpr
13518 \ht\mdf@frametitlebox
13519 +\dp\mdf@frametitlebox%
13520 +\mdf@frametitleaboveskip@length
13521 +\mdf@frametitlebelowskip@length
13522 \relax%
13523 }
13524
13525 \renewrobustcmd*\mdf@footnoteoutput{%
13526 \ifvoid\@mpfootins\else%
13527 \nobreak%
13528 \vskip\mdf@footnotedistance@length%
13529 \normalcolor%
13530 \bidi@mpfootnoterule%
13531 \unvbox\@mpfootins%
13532 \fi%
13533 }
13534
13535
13536 \renewrobustcmd*\mdf@footnoteinput{%
13537 \def\@mpfn{mpfootnote}%
13538 \def\thempfn{\thempfootnote}%
13539 \c@mpfootnote\z@%
13540 \let\@footnotetext\@mpfootnotetext%
13541 \let\@LTRfootnotetext\@mpLTRfootnotetext%
13542 \let\@RTLfootnotetext\@mpRTLfootnotetext%
13543 }

```

80 File bidi-media9.sty

```

13544 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13545 {bidi fixes for media9 package for the XeTeX engine}
13546
13547 \keys_define:nn{media9/mbtn}{
13548   draft .code:n = {},
13549   final .code:n = {},
13550
13551   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13552   tooltip .value_required:n = {true},
13553
13554   overface .code:n = {
13555     \sbox\l_mix_poster_box{
13556       \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13557     \mix_pdfxform:n{\l_mix_poster_box}
13558     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13559   },
13560   overface .value_required:n = {true},
13561
13562   downface .code:n = {
13563     \sbox\l_mix_poster_box{

```




```

13564     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13565     \mix_pdfxform:n{\l_mix_poster_box}
13566     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13567 },
13568 downface .value_required:n = {true},
13569
13570 3Dgotoview .code:n = {
13571     \tl_set:Nx\l_tmpa_tl{#1}                %extract ref
13572     \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl
13573     \tl_trim_spaces:N\l_tmpa_tl
13574     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13575         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13576             \tl_set:Nx\l_tmpb_tl{#1}          %extract idx
13577             \regex_replace_once:nnN{([~:~]+:~?){}\l_tmpb_tl
13578             \tl_trim_spaces:N\l_tmpb_tl
13579             \tl_if_blank:VF\l_tmpb_tl{
13580                 \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13581                     \tl_set:Nx\l_mix_vidx_tl{/\l_tmpb_tl}
13582                 }{
13583                     \regex_match:nVTF{^~d+~$}\l_tmpb_tl{
13584                         \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
13585                     }{
13586                         \regex_replace_once:nnN{^~(\s*){}}\l_tmpb_tl
13587                         \regex_replace_once:nnN{(\s*)$}{}\l_tmpb_tl
13588                         \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13589                     }
13590                 }
13591             }
13592             \mix_pdfobj:nnn{}{dict}{
13593                 /S/JavaScript/JS~(
13594                     if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13595                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13596                         annotRM['\l_tmpa_tl']=
13597                             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13598                     }
13599                     annotRM['\l_tmpa_tl'].activated=true;
13600                 )
13601                 \tl_if_blank:VF\l_tmpb_tl{
13602                     /Next~<<
13603                     /S/GoTo3DView
13604                     /TA~\tl_use:c{ann@\l_tmpa_tl}
13605                     /V\l_mix_vidx_tl
13606                 }
13607             }
13608         }
13609         \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13610     }
13611 }{
13612     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13613     \cs_if_exist:NF\g_mix_refundefwarned_tl{

```



```

13614         \tl_new:N\g_mix_refundefwarned_tl
13615         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13616     }
13617 }
13618 },
13619 3Dgotoview .value_required:n = {true},
13620
13621 mediacommand .code:n = {
13622     \tl_set:Nx\l_tmpa_tl{#1}
13623     \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl %extract ref
13624     \tl_trim_spaces:N\l_tmpa_tl
13625     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13626         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13627             \tl_set:Nx\l_tmpb_tl{#1}
13628             \regex_replace_once:nnN{([~:~]+):??}{\1}\l_tmpb_tl
13629             \tl_trim_spaces:N\l_tmpb_tl
13630             \regex_replace_all:nnN{^{|\\}$}{\1}\l_tmpb_tl
13631             \tl_set:Nx\l_mix_cmd_tl{
13632                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13633             \tl_trim_spaces:N\l_mix_cmd_tl
13634             \tl_set:Nx\l_mix_arg_tl{
13635                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13636             \tl_trim_spaces:N\l_mix_arg_tl
13637             \mix_pdfobj:nnn{}{dict}{
13638                 /S/JavaScript/JS~(
13639                     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13640                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13641                         annotRM['\l_tmpa_tl']=
13642                             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13643                     }
13644                     annotRM['\l_tmpa_tl'].activated=true;
13645                 )
13646                 \tl_if_blank:VF\l_mix_cmd_tl{
13647                     /Next~<<
13648                     /S/RichMediaExecute
13649                     /TA~\tl_use:c{ann@\l_tmpa_tl}
13650                     /TI~\tl_use:c{main@\l_tmpa_tl}
13651                     /CMD~<<
13652                     /C~(\l_mix_cmd_tl)
13653                     \tl_if_blank:VF\l_mix_arg_tl{
13654                         /A~[\l_mix_arg_tl]
13655                     }
13656                     >>
13657                 >>
13658             }
13659         }
13660         \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13661     }
13662 }{
13663     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}

```



```

13664     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13665       \tl_new:N\g_mix_refundefwarned_tl
13666       \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13667     }
13668   }
13669 },
13670 mediacommand .value_required:n = {true},
13671
13672 jsaction .code:n = {
13673   \tl_set:Nx\l_tmpa_tl{#1}
13674   \regex_match:nVTF{^[^\{:\}+:\. *$}\l_tmpa_tl{
13675     \regex_replace_once:nnN{([^\{:\}+:\. *$]\l_tmpa_tl %extract ref
13676     \tl_trim_spaces:N\l_tmpa_tl
13677   }\tl_clear:N\l_tmpa_tl}
13678   \tl_set:Nx\l_tmpb_tl{#1}
13679   \tl_if_blank:VF\l_tmpa_tl{
13680     \tl_if_exist:cF{ann@\l_tmpa_tl}{
13681       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13682       \cs_if_exist:NF\g_mix_refundefwarned_tl{
13683         \tl_new:N\g_mix_refundefwarned_tl
13684         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13685       }
13686     }
13687     \regex_replace_once:nnN{[^\{:\}+:\. *$]\l_tmpb_tl
13688   }
13689   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13690   \tl_trim_spaces:N\l_tmpb_tl
13691   \tl_if_blank:VF\l_tmpb_tl{
13692     \mix_pdfobj:nnn{}{dict}{
13693       /S/JavaScript/JS~(
13694         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
13695     \bool_lazy_and:nnT{
13696       \tl_if_exist_p:c{ann@\l_tmpa_tl}
13697     }{
13698       !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13699     }{
13700       \mix_pdfobj:nnn{}{dict}{
13701         /S/JavaScript/JS~(
13702           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13703           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13704             annotRM['\l_tmpa_tl']=
13705             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13706           }
13707           annotRM['\l_tmpa_tl'].activated=true;
13708         )
13709       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13710     }
13711   }
13712   \bool_if:nT{
13713     \bool_lazy_and_p:nn{

```



```

13714     \tl_if_exist_p:c{ann@l_tmpa_tl}
13715   }{
13716     !\str_if_eq_x_p:nn{\tl_use:c{ann@l_tmpa_tl}}{draft}
13717   }
13718   || !\tl_if_blank_p:V{l_tmpb_tl}
13719   }{
13720     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13721   }
13722 },
13723 jsaction .value_required:n = {true},
13724
13725 unknown .code:n = {
13726   \msg_error:nnx{media9}{unknown-option}{l_keys_key_tl}
13727 }
13728 }
13729
13730 \RenewDocumentCommand\includemedia{0{ }mm}{%#1 options, #2 text/image #3 media file
13731   \mix_uriend:
13732   \group_begin:
13733   \mix_beginLTR:
13734   \leavevmode
13735   %empty stream as appearance dummy
13736   \cs_if_exist:NF\g_mix_appearance_tl{
13737     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13738     \mix_pdfxform:n{\l_mix_poster_box}
13739     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13740   }
13741   \mix_reset:
13742   \mix_uribegin: %treat URI characters correctly
13743   \keys_set:nn{media9/user}{#1}
13744   \mix_uriend:
13745   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13746   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13747   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13748   \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
13749   \tl_gtrim_spaces:N\g_mix_flashvars_tl
13750
13751   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13752
13753   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13754   %\hbox_set:Nn\l_mix_poster_box{#2}
13755   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13756   \mix_scale:n{\l_mix_poster_box}
13757   \bool_if:nT{
13758     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
13759     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13760   }{
13761     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13762   }
13763   \bool_if:NTF\g_mix_usrdraft_bool{

```



```

13764 \tl_if_empty:NF\g_mix_usrlabel_tl{
13765   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13766 }
13767 \tl_if_blank:oTF{#2}{
13768   \mix_uribegin: %treat URI characters correctly
13769   \mix_draftbox:n{\tl_to_str:n{#3}}
13770   \mix_uriend:
13771 }{
13772   \hbox_to_wd:nn{\g_mix_wd_tl}{
13773     \vrule-width~\c_zero_dim-height~\g_mix_ht_tl-depth~\g_mix_dp_tl
13774     \box_use:N\l_mix_poster_box\hss
13775   }
13776 }
13777 }{
13778   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13779     %attach script that switches off play button overlay upon activation
13780     \mix_pdfobj:nnn{}{stream}{
13781       {}{
13782         var~ocgs=host.getOCGs(host.pageNum);
13783         for(var~i=0;i<ocgs.length;i++){
13784           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13785             ocgs[i].state=false;
13786           }
13787         }
13788       }
13789     }
13790     \mix_pdfobj:nnn{}{dict}{
13791       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13792     }
13793     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13794     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13795     %enforce plain playbutton overlay for XeTeX
13796     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13797   }
13798   %embed main asset
13799   \mix_uribegin:
13800   \mix_embedasset:n{#3}
13801   \bool_if:nTF{
13802     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13803   }{
13804     \bool_gset_true:N\g_mix_iiid_bool
13805     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
13806   }{
13807     \str_case_x:nnF{\l_mix_base_tl}{
13808       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13809       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13810       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13811       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13812       {StrobeMediaPlayerback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13813     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}

```



```

13814 }
13815 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13816 \mix_uriend:
13817 %secondary assets (added by addresource)
13818 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13819 \seq_map_inline:Nn\g_mix_script_seq{
13820   \mix_embedasset:n{##1}
13821   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13822 }
13823 %attach 3D calculation script
13824 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13825   \mix_embedasset:n{3Dmenu.js}
13826   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13827 }
13828 %create 3D views from file (option 3Dviews)
13829 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13830   \tl_set:Nn\l_mix_level_tl{c_minus_one}
13831   \int_zero:N\l_mix_viewcnt_int
13832   \int_zero:N\l_mix_lineno_int
13833
13834   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13835   \ior_map_inline:Nn\l_mix_vfile_stream{
13836     \int_incr:N\l_mix_lineno_int
13837     \keys_set:nn{media9/views}{##1} %process input line
13838   }
13839   \ior_close:N\l_mix_vfile_stream
13840 }
13841 \bool_if:nT{ %create default 3D view if required
13842   \g_mix_iiid_bool &&
13843   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13844 }{
13845   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13846   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13847   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13848   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13849   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13850   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13851   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13852
13853   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13854   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13855   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13856   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13857
13858   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13859   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13860   \tl_clear:N\l_mix_naarray_tl
13861
13862   \bool_if:NF\l_mix_ciiw_bool{
13863     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}

```



```

13864         \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13865     }
13866
13867     \tl_clear:N\l_mix_naarray_tl
13868     \tl_clear:N\l_mix_saarray_tl
13869     \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13870
13871     \mix_view:n{Default}
13872     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13873
13874 }
13875 \mix_pdfobj:nnn{}{dict}{
13876     /Type/RichMediaInstance
13877     /Subtype/\g_mix_mainassetsub_tl
13878     /Asset~\g_mix_mainasset_tl
13879     \bool_if:NF\g_mix_iiid_bool{
13880         /Params~<<
13881         /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13882             /Foreground
13883         }{
13884             /Background
13885         }
13886         \tl_if_blank:VF\g_mix_flashvars_tl{
13887             /FlashVars~(\g_mix_flashvars_tl)
13888         }
13889         >>
13890     }
13891 }
13892 \tl_if_empty:NF\g_mix_usrlabel_tl{
13893     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13894 }
13895 \mix_pdfobj:nnn{}{dict}{
13896     /Type/RichMediaConfiguration
13897     /Subtype/\g_mix_mainassetsub_tl
13898     /Instances~[\mix_pdflastobj:]
13899 }
13900 \mix_pdfobj:nnn{}{dict}{
13901     /Type/RichMediaContent
13902     /Assets~<</Names~[\g_mix_assets_tl]>>
13903     /Configurations~[\mix_pdflastobj:]
13904     \bool_if:nT{
13905         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13906     }{
13907         /Views~[\l_mix_iiidviewarray_tl]
13908     }
13909 }
13910 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13911 \bool_if:nT{
13912     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13913 }{

```



```

13914     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13915   }
13916   %determine floating window size
13917   \bool_if:NT\g_mix_opt_windowed_bool{
13918     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13919   }
13920   \mix_pdfobj:nnn{}{dict}{
13921     /Activation~<<
13922     /Condition\g_mix_act_tl
13923     \bool_if:nT{
13924       \g_mix_iiid_bool &&
13925       !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13926     }{%seems to work only with 3D content
13927       /Animation~<<
13928       /Subtype/\g_mix_playtpe_tl
13929       /PlayCount~\g_mix_playcnt_tl
13930       /Speed~\g_mix_playspd_tl
13931     >>
13932   }
13933   \bool_if:nT{
13934     \g_mix_iiid_bool && (
13935       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13936     )
13937   }{/View~\l_mix_dfltview_tl}
13938   /Presentation~<<
13939   /Transparent~\g_mix_transp_tl
13940   \bool_if:NTF\g_mix_opt_windowed_bool{
13941     /Style/Windowed
13942     /Window~<<
13943     /Width~<</Default~\tl_mix_fltd>>
13944     /Height~<</Default~\tl_mix_fltht>>
13945     /Position~<<
13946     /HOffset~0/VOffset~0
13947     \str_case_x:nnF{\g_mix_winpos_tl}{
13948       {tl}{/VAlign/Near/HAlign/Near}
13949       {cl}{/VAlign/Center/HAlign/Near}
13950       {bl}{/VAlign/Far/HAlign/Near}
13951       {bc}{/VAlign/Far/HAlign/Center}
13952       {br}{/VAlign/Far/HAlign/Far}
13953       {cr}{/VAlign/Center/HAlign/Far}
13954       {tr}{/VAlign/Near/HAlign/Far}
13955       {tc}{/VAlign/Near/HAlign/Center}
13956     }{/HAlign/Center/VAlign/Center}
13957     >>
13958   }
13959   }{/Style/Embedded
13960   }
13961   \bool_if:NTF\g_mix_iiid_bool{
13962     /Toolbar~\g_mix_tools_tl
13963   }

```




```

13964         /NavigationPane~\g_mix_nav_tl
13965     }{
13966         /PassContextClick~\g_mix_contextclick_tl
13967     }
13968     >>
13969     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13970     >>
13971     /Deactivation~<</Condition\g_mix_deact_tl>>
13972 }
13973 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13974 \tl_if_empty:NF\g_mix_usrlabel_tl{
13975     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13976 }
13977 % #1:width, #2:height, #3:depth, #4:content (key-value)
13978 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13979     /Subtype/RichMedia
13980     /F~4
13981     /BS~<</W~0/S/S>>
13982     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13983     /NM~(\g_mix_label_tl)
13984     /AP~<</N~\g_mix_appearance_tl>>
13985     /RichMediaSettings~\l_mix_settings_tl
13986     /RichMediaContent~\l_mix_content_tl
13987 }
13988 \tl_if_empty:NF\g_mix_usrlabel_tl{
13989     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13990     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13991         \noexpand\the\g@mix@page@int}
13992 }
13993 \mix_pdfobj:nnn{}{dict}{
13994     /S/JavaScript/JS~(
13995     try{
13996         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13997         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13998             annotRM['\g_mix_label_tl']=
13999             this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14000         }
14001         \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14002             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14003                 var~ocgs=this.getOCGs(this.pageNum);
14004                 for(var~i=0;i<ocgs.length;i++){
14005                     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14006                         var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14007                     }
14008                 }
14009             }
14010             if(
14011                 !annotRM['\g_mix_label_tl'].activated&&(
14012                     app.viewerType=='Reader' ||
14013                     app.viewerType=='Exchange' ||

```



```

14014         app.viewerType=='Exchange-Pro'
14015     )&&app.viewerVersion>=9
14016     ){
14017         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14018     }
14019 }
14020 }catch(e){}
14021 this.dirty=false;
14022 )
14023 }
14024 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14025     /Subtype/Widget
14026     /FT/Btn/Ff~65537/F~2
14027     /BS~<</W~0>>
14028     /T~(fd@\g_mix_label_tl)
14029     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14030 }
14031 \mix_appendtofields:n{\mix_pdflastann:}
14032 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14033 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14034     \hbox_to_wd:nn{\g_mix_wd_tl}{
14035         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14036     }
14037 }{%insert play button overlay
14038     \mix_insert_btnocg: %create OCG
14039     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14040     \group_begin:
14041     \cs_if_exist:NT\textdir{\textdir TLT}
14042     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14043     \box_move_down:nn{\g_mix_dp_tl}{
14044         \hbox_to_wd:nn{\g_mix_wd_tl}{
14045             \vbox_to_ht:nn{\g_mix_tt_tl}{
14046                 \vss
14047                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14048                 \box_use:N\l_mix_pbtn_box
14049                 \ocgbase_oc_emc:
14050             }
14051         }
14052     }
14053     \group_end:
14054 }
14055 \int_gincr:N\g_mix_rmcnt_int
14056 }
14057 \mix_endLTR:
14058 \group_end:
14059 }
14060 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14061 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14062
14063 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text

```



```

14064 \mix_uriend:
14065 \group_begin:
14066 \mix_beginLTR:
14067 \leavevmode
14068 %reset various variables
14069 \tl_gclear:N\g_mix_overbtn_tl
14070 \tl_gclear:N\g_mix_downbtn_tl
14071 \tl_gclear:N\g_mix_btnactions_tl
14072 \tl_gclear:N\g_mix_tooltip_tl
14073 %process options
14074 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14075 \mix_uribegin: %treat URI characters correctly
14076 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14077 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14078 \mix_uriend:
14079 %normal button appearance
14080 %\hbox_set:Nn\l_mix_poster_box{#2}
14081 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14082 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14083 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
14084 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14085 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14086   \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
14087     \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14088   \mix_pdfxform:n{\l_mix_poster_box}
14089   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14090   %insert widget annotation
14091   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14092     /Subtype/Widget
14093     /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
14094     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14095     /FT/Btn/Ff~65536
14096     \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14097     /AP~<<
14098     /N~\g_mix_normalbtn_tl
14099     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14100     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14101     >>
14102     /MK~<<
14103     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14104     /I~\g_mix_normalbtn_tl
14105     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14106     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14107     >>
14108     /A~<<
14109     /S/JavaScript/JS~(app.focusRect=false;)
14110     %sequence of actions to perform
14111     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14112     >>
14113   }

```



```

14114 \mix_appendtofields:n{\mix_pdflastann:}
14115 \hbox_to_wd:nn{\width}{
14116   \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14117 }
14118 \int_gincr:N\g_mix_mbtncnt_int
14119 }
14120 \mix_endLTR:
14121 \group_end:
14122 }
14123
14124 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14125 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14126
14127

```

81 File memoir-xetex-bidi.def

```

14128 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
14129 \renewcommand{\keepthetitle}{%
14130   \@bsmtitleempty
14131   \global\let\thanks\relax
14132   \global\let\LTRthanks\relax
14133   \global\let\RTLthanks\relax
14134   \global\let\and\relax
14135   \global\let\andnext\relax
14136   \global\let\@thanks\@empty
14137   \global\let\@title\@empty
14138   \global\let\@author\@empty
14139   \global\let\@date\@empty}
14140 \renewcommand{\maketitle}{\par
14141   \begingroup
14142     \@bsmarkseries
14143     \def\@makefnmark{\@textsuperscript{%
14144       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
14145     \long\def\@makefntext##1{\makethanksmark ##1}
14146     \if@twocolumn
14147       \ifnum \col@number=\@one
14148         \@maketitle
14149       \else
14150         \twocolumn[\@maketitle]%
14151       \fi
14152     \else
14153       \ifdim\pagetotal>\z@
14154         \newpage
14155       \fi
14156       \global\@topnum\z@
14157       \@maketitle
14158     \fi
14159     \thispagestyle{title}\@thanks
14160 \endgroup

```



```

14161 \@bscontmark % \setcounter{footnote}{0}%
14162 }
14163 \renewcommand*\memRTLleftskip{\if@RTL\rightskip\else\leftskip\fi}
14164 \renewcommand*\memRTLrightskip{\if@RTL\leftskip\else\rightskip\fi}
14165 \renewcommand*\memRTLvleftskip{\if@RTL\vrightskip\else\vleftskip\fi}
14166 \renewcommand*\memRTLvrightskip{\if@RTL\vleftskip\else\vrightskip\fi}
14167 \renewcommand*\memRTLraggedright{\if@RTL\raggedleft\else\raggedright\fi}
14168 \renewcommand*\memRTLraggedleft{\if@RTL\raggedright\else\raggedleft\fi}
14169 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14170 \renewcommand*\thesubsection{%
14171     \thesection\@SepMark\@arabic\c@subsection}
14172 \renewcommand*\thesubsubsection{%
14173     \thesubsection\@SepMark\@arabic\c@subsubsection}
14174 \renewcommand*\theparagraph{%
14175     \thesubsubsection\@SepMark\@arabic\c@paragraph}
14176 \renewcommand*\thesubparagraph{%
14177     \theparagraph\@SepMark\@arabic\c@subparagraph}
14178 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14179 \renewcommand{\theequation}{%
14180     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14181 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14182 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14183 \ifartopt
14184 \chapterstyle{article}
14185 \counterwithout{figure}{chapter}
14186 \counterwithout{table}{chapter}
14187 \counterwithout{footnote}{chapter}
14188 \counterwithout{equation}{chapter}
14189 \renewcommand{\chaptername}{%
14190     \renewcommand{\maketitlehookb}{%
14191         \vskip -1.5\topsep\vskip -1.5\partopsep}
14192     \renewcommand{\maketitlehookc}{%
14193         \vskip -1.5\topsep\vskip -1.5\partopsep}
14194 \fi
14195 \long\def\@makecaption#1#2{\let\@memtempa\relax
14196 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14197 \else \def\@memtempa{\vbox to\topskip{}}\fi
14198 \let\@contfnote\footnote \renewcommand{\footnote}[2][{}]{
14199 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][{}]{
14200 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14201 \let\footnote\@contfnote
14202 \let\footnotemark\@contfmark
14203 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14204 \if@contcw
14205 \centering
14206 \parbox{\@contcwidth}{%
14207 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14208 \fi
14209 \ifdim\wd\@tempboxa<\linewidth
14210 \@contpre

```



```

14211 {\@contnfont #1\@contdelim}\@memtempa
14212 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14213 \else
14214 \if@conthang
14215 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14216 \@contpre%
14217 {\@contcstyle\hangindent=\wd\@tempboxa
14218 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14219 \else
14220 \if@contindent
14221 \@contpre%
14222 {\@contnfont #1\@contdelim}\@memtempa
14223 {\@contcstyle\hangindent=\@contindw
14224 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14225 \else
14226 \@contpre%
14227 {\@contnfont #1\@contdelim}\@memtempa
14228 {\@contcstyle \@conttfont #2\@contfinal\par}
14229 \fi
14230 \fi
14231 \fi
14232 \@contpost
14233 \if@contcw
14234 \par
14235 } % end of the \parbox
14236 \fi
14237 \vskip\belowcaptionskip}
14238 \@ifpackageloaded{caption}{%
14239 \AtBeginPackage{caption}{
14240 \ClassWarningNoLine{memoir}{%
14241 You are using the caption package with the memoir \MessageBreak
14242 class. This may cause unexpected or inconsistent \MessageBreak
14243 results if you use any of memoir's captioning facilities}
14244 }
14245 \long\def\@makecaption##1##2{%
14246 \vskip\abovecaptionskip
14247 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14248 \ifdim \wd\@tempboxa >\hsize
14249 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14250 \else
14251 \global \@minipagefalse
14252 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14253 \fi
14254 \vskip\belowcaptionskip}
14255
14256 \def\caption{%
14257 \ifx\@capytype\@undefined
14258 \latexerror{\noexpand\caption outside float}\@ehd
14259 \expandafter@gobble
14260 \else

```



```

14261 \refstepcounter\@capttype
14262 \expandafter\@firstofone
14263 \fi
14264 {\@dblarg{\@caption\@capttype}}}%
14265 }
14266
14267 \long\def\@caption##1[##2]##3{%
14268 \par
14269 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14270 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
14271 \begingroup
14272 \@parboxrestore
14273 \if@minipage
14274 \setminipage
14275 \fi
14276 \normalsize
14277 \makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14278 \endgroup}
14279 }}{}
14280 \renewenvironment{thebibliography}[1]{%
14281 \bibsection
14282 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
14283 \bidi@thebibliography@font@hook%
14284 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

82 File midfloat-xetex-bidi.def

```

14285 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14286 \def\RTL@outputdblcol{%
14287 \if@firstcolumn
14288 \global \@firstcolumnfalse
14289 \global\setbox\@leftcolumn\copy\@outputbox
14290 \splitmaxdepth\maxdimen
14291 \vbadness\maxdimen
14292 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14293 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14294 \toks@\expandafter{\topmark}%
14295 \xdef\@firstcoltopmark{\the\toks@}%
14296 \toks@\expandafter{\splitfirstmark}%
14297 \xdef\@firstcolfirstmark{\the\toks@}%
14298 \ifx\@firstcolfirstmark\@empty
14299 \global\let\@setmarks\relax
14300 \else
14301 \gdef\@setmarks{%
14302 \let\firstmark\@firstcolfirstmark
14303 \let\topmark\@firstcoltopmark}%
14304 \fi
14305 \global\c@colht\@colht\global\c@advipersep\z@
14306 \ifnum\jua@sk>0
14307 \remove@strip\jua@sar

```



```

14308      \global\@colht\the\jua@pr
14309      \ifdim\right@cor>\z@
14310          \global\advance\@colht by\right@cor
14311      \fi
14312      \global\advance\@colht by\cor@height
14313      \global\cor@height=0pt
14314  \fi
14315  \global \setbox\@rightcolumn \vbox{}%
14316 \else
14317   \ifdim\c@colht>\@colht
14318       \@tempdima\@colht
14319       \ifdim\@colht>\z@
14320           \global\setbox\@rightcolumn \vbox{%
14321               \unvbox\@rightcolumn
14322               \vbox to\@tempdima{%
14323                   \vskip\c@addvipersep\unvbox\@outputbox}%
14324               \vskip\stripsep
14325               \vrule height\the\jua@ht width 0pt depth 0pt
14326               \vskip\stripsep
14327               }%
14328       \global\c@addvipersep\m@addvipersep
14329   \else
14330       \global\setbox\@rightcolumn \vbox{%
14331           \unvbox\@rightcolumn
14332           \vrule height\the\jua@ht width 0pt depth 0pt
14333           \vskip\stripsep
14334           }%
14335   \fi
14336   \ifnum\jua@sk>0
14337       \remove@strip\jua@sar
14338       \global\@colht\the\jua@pr
14339       \global\advance\@colht by -\ht\@rightcolumn
14340       \global\advance\@colht by\cor@height
14341       \global\cor@height=0pt
14342   \else
14343       \global\advance\c@colht by-\ht\@rightcolumn
14344       \global\@colht\c@colht
14345   \fi
14346 \else
14347   \global\@firstcolumntrue
14348   \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14349       \unvbox\@rightcolumn
14350       \vskip\c@addvipersep
14351       \unvbox\@outputbox
14352       }%
14353   \setbox\@outputbox \vbox {%
14354       \hb@xt@\textwidth {%
14355           \hskip \columnwidth
14356           \hfil
14357           \vrule \@width\columnseprule

```




```

14358 \hfil
14359 \hb@xt@\columnwidth {%
14360 \bidi@firstcolumn@status@write%
14361 \box\@leftcolumn \hss}%
14362 \hskip-\textwidth
14363 \hb@xt@\columnwidth {%
14364 \bidi@lastcolumn@status@write%
14365 \box\@outputbox \hss}%
14366 \hskip\columnwidth
14367 \hskip\columnsep}%
14368 }%
14369 \@combinedblfloats
14370 \@setmarks
14371 \@outputpage
14372 \beginngroup
14373 \@dblfloatplacement
14374 \@startdblcolumn
14375 \@whiles\if@fcolmade \fi
14376 {\@outputpage
14377 \@startdblcolumn}%
14378 \endgroup
14379 \global\jua@sk=0\global\jua@sar={}
14380 \global\cor@height\z@\global\c@addvipersep\z@
14381 \fi
14382 \fi
14383 }
14384
14385
14386 \def\LTR@outputdblcol{%
14387 \if@firstcolumn
14388 \global \@firstcolumnfalse
14389 \global\setbox\@leftcolumn\copy\@outputbox
14390 \splitmaxdepth\maxdimen
14391 \vbadness\maxdimen
14392 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14393 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14394 \toks@ \expandafter{\topmark}%
14395 \xdef\@firstcoltopmark{\the\toks@}%
14396 \toks@ \expandafter{\splitfirstmark}%
14397 \xdef\@firstcolfirstmark{\the\toks@}%
14398 \ifx\@firstcolfirstmark\@empty
14399 \global\let\@setmarks\relax
14400 \else
14401 \gdef\@setmarks{%
14402 \let\firstmark\@firstcolfirstmark
14403 \let\topmark\@firstcoltopmark}%
14404 \fi
14405 \global\c@colht\@colht\global\c@addvipersep\z@
14406 \ifnum\jua@sk>0
14407 \remove@strip\jua@sar

```



```

14408     \global\@colht\the\jua@pr
14409     \ifdim\right@cor>\z@
14410         \global\advance\@colht by\right@cor
14411     \fi
14412     \global\advance\@colht by\cor@height
14413     \global\cor@height=0pt
14414 \fi
14415 \global \setbox\@rightcolumn \vbox{}%
14416 \else
14417     \ifdim\c@colht>\@colht
14418         \@tempdima\@colht
14419         \ifdim\@colht>\z@
14420             \global\setbox\@rightcolumn \vbox{%
14421                 \unvbox\@rightcolumn
14422                 \vbox to\@tempdima{%
14423                     \vskip\c@addvipersep\unvbox\@outputbox}%
14424                 \vskip\stripsep
14425                 \vrule height\the\jua@ht width 0pt depth 0pt
14426                 \vskip\stripsep
14427             }%
14428             \global\c@addvipersep\m@addvipersep
14429         \else
14430             \global\setbox\@rightcolumn \vbox{%
14431                 \unvbox\@rightcolumn
14432                 \vrule height\the\jua@ht width 0pt depth 0pt
14433                 \vskip\stripsep
14434             }%
14435         \fi
14436     \ifnum\jua@sk>0
14437         \remove@strip\jua@sar
14438         \global\@colht\the\jua@pr
14439         \global\advance\@colht by -\ht\@rightcolumn
14440         \global\advance\@colht by\cor@height
14441         \global\cor@height=0pt
14442     \else
14443         \global\advance\c@colht by-\ht\@rightcolumn
14444         \global\@colht\c@colht
14445     \fi
14446 \else
14447     \global\@firstcolumntrue
14448     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14449         \unvbox\@rightcolumn
14450         \vskip\c@addvipersep
14451         \unvbox\@outputbox
14452     }%
14453     \setbox\@outputbox \vbox {%
14454         \hb@xt@\textwidth {%
14455             \hb@xt@\columnwidth {%
14456                 \bidi@firstcolumn@status@write%
14457                 \box\@leftcolumn \hss}%

```



```

14458             \hfil
14459             \vrule \@width\columnseprule
14460             \hfil
14461             \hb@xt@\columnwidth {%
14462                 \bidi@lastcolumn@status@write%
14463                 \box\@outputbox \hss}%
14464                 }%
14465             }%
14466         \@combinedblfloats
14467         \@setmarks
14468         \@outputpage
14469         \begingroup
14470             \@dblfloatplacement
14471             \@startdblcolumn
14472             \@whiles\if@fcolmade \fi
14473             {\@outputpage
14474               \@startdblcolumn}%
14475         \endgroup
14476         \global\jua@sk=0\global\jua@sar={}%
14477         \global\cor@height\z@\global\c@addvipersep\z@
14478         \fi
14479     \fi
14480 }
14481
14482
14483 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14484   \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14485     \hsize\textwidth
14486     \@parboxrestore
14487     \col@number \@ne
14488     \vrule height\topskip width0pt depth0pt
14489 }
14490
14491 \def\endstrip{%
14492     \egroup\egroup
14493     \if@firstcolumn
14494         \ifdim\pagetotal>\z@
14495             \vskip\stripsep
14496             \global\ht@strip\pagegoal
14497             \global\advance\ht@strip by-\pagetotal
14498             \global\advance\ht@strip by-\stripsep
14499             \global\advance\ht@strip by-\ht\@viper
14500             \global\advance\ht@strip by-\stripsep
14501             \global\jua@ht=\ht\@viper
14502         \else
14503             \global\ht@strip\z@
14504         \fi
14505         \ifdim\ht@strip>\z@
14506             \unvbox\@viper
14507             \vskip\stripsep

```



```

14508         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14509         \global\advance\jua@sk by1
14510     \else
14511         \@latex@error{Strip needs more place!}\@ehc
14512         \if@vihproof
14513             \framebox[\columnwidth]{??? Strip ???}%
14514         \fi
14515     \fi
14516 \else
14517     \@latex@error{Strip is used only on left column!}\@ehc
14518     \if@vihproof
14519         \framebox[\columnwidth]{??? Strip ???}%
14520     \fi
14521 \fi
14522 }

```

83 File minitoc-xetex-bidi.def

```

14523 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14524 \def\@undottedtocline#1#2#3#4#5{%
14525     \ifnum #1>\c@tocdepth\relax \else
14526         \vskip \z@ plus.2\p@
14527         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14528         \parindent #2\relax\@afterindenttrue
14529         \interlinepenalty\@M
14530         \leavevmode
14531         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
14532         \hskip -\if@RTL\rightskip\else\leftskip\fi
14533         #4\nobreak\hfill \nobreak
14534         \null\par}%
14535     \fi}
14536 \def\@Undottedtocline#1#2#3#4#5{%
14537     \ifnum #1>\c@tocdepth\relax \else
14538         \vskip \z@ \@plus.2\p@
14539         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14540         \parindent #2\relax\@afterindenttrue
14541         \interlinepenalty\@M
14542         \leavevmode
14543         \@tempdima #3\relax
14544         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14545         {\coffefont #4}\nobreak \nobreak\null
14546         \par}%
14547     \fi}
14548 \def\@Undottedtoclinep#1#2#3#4#5{%
14549     \ifnum #1>\c@tocdepth\relax \else
14550         \vskip \z@ \@plus.2\p@
14551         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14552         \parindent #2\relax\@afterindenttrue
14553         \interlinepenalty\@M
14554         \leavevmode

```



```

14555 \@tempdima #3\relax
14556 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
14557 {#4}\nobreak \hfill \nobreak\null
14558 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}}%
14559 \par}%
14560 \fi}

```

84 File multicol-xetex-bidi.def

```

14561 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package]
14562 \def\page@sofar{%
14563 \process@cols\mult@rightbox
14564 {\ifvoid\count@
14565 \setbox\count@\hbox to\hsize}%
14566 \else
14567 \wd\count@\hsize
14568 \fi}%
14569 \count@\col@number \advance\count@\m@ne
14570 \mult@info\z@
14571 {Column spec: \the\full@width\space = indent
14572 + columns + sep =\MessageBreak
14573 \the\multicol@leftmargin\space
14574 + \the\col@number\space
14575 x \the\hsize\space
14576 + \the\count@\space
14577 x \the\columnsep
14578 }%
14579 \ifvmode\else\errmessage{Multicol Error}\fi
14580 \nointerlineskip
14581 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
14582 \moveright\multicol@leftmargin
14583 \hbox to\full@width{%
14584 \bidi@multicol@align@columns
14585 \rlap{\phantom p}%
14586 }%
14587 \prevdepth\z@
14588 \kern-\dimen\tw@
14589 \ifdim\dimen\tw@ > \mc@gridwarn
14590 \PackageWarning{multicol}%
14591 {Very deep columns!\MessageBreak
14592 Grid alignment might be broken}%
14593 \fi
14594 }
14595 \def\LTR@column@boxes{%
14596 \process@cols\mult@gfirstbox{%
14597 \ifdim\dp\count@>\dimen\tw@
14598 \global\dimen\tw@\dp\count@ \fi
14599 \mc@col@status@write
14600 \box\count@
14601 \hss{\columnseprulecolor\vrule

```



```

14602         \@width\columnseprule}\hss}%
14603     \ifdim\dp\mult@rightbox>\dimen\tw@
14604         \global\dimen\tw@\dp\mult@rightbox \fi
14605     \mc@lastcol@status@write
14606     \box\mult@rightbox
14607 }
14608
14609 \def\RTL@column@boxes{%
14610     \ifnum\col@number<\tw@
14611         \LTR@column@boxes
14612     \else
14613         \process@cols\mult@gfirstbox{%
14614             \hskip\hsize
14615             \hss{\columnseprulecolor\vrule
14616                 \@width\columnseprule}\hss
14617         }%
14618         \hskip\hsize
14619         \process@cols\mult@gfirstbox{%
14620             \ifdim\dp\count@>\dimen\tw@
14621                 \global\dimen\tw@\dp\count@ \fi
14622             \hskip-\hsize
14623             \mc@col@status@write
14624             \box\count@
14625             \hskip-\hsize
14626             \hskip-\columnsep
14627         }%
14628         \ifdim\dp\mult@rightbox>\dimen\tw@
14629             \global\dimen\tw@\dp\mult@rightbox \fi
14630         \hskip-\hsize
14631         \mc@lastcol@status@write
14632         \box\mult@rightbox
14633         \hskip-\hsize
14634         \hskip\full@width
14635     \fi
14636 }
14637 \newcommand\RTLmulticolcolumns
14638     {\let\bidimulticol@align@columns
14639         \RTL@column@boxes}
14640 \newcommand\LTRmulticolcolumns
14641     {\let\bidimulticol@align@columns
14642         \LTR@column@boxes}
14643 \newcommand\bidimulticol@align@columns
14644     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14645 \def\multicols#1{\col@number#1\relax
14646     \ifnum\col@number<\tw@
14647         \PackageWarning{multicol}%
14648         {Using `\'number\col@number'
14649          columns doesn't seem a good idea.^^J
14650          I therefore use two columns instead}%
14651         \col@number\tw@ \fi

```



```

14652 \ifnum\col@number>10
14653   \PackageError{multicol}%
14654     {Too many columns}%
14655     {Current implementation doesn't
14656       support more than 10 columns.%
14657       \MessageBreak
14658       I therefore use 10 columns instead}%
14659   \col@number10 \fi
14660   \ifx\@footnotetext\mult@footnotetext\else
14661     \let\orig@footnotetext\@footnotetext
14662     \let\@footnotetext\mult@footnotetext
14663   \fi
14664   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14665     \let\orig@LTRfootnotetext\@LTRfootnotetext
14666     \let\@LTRfootnotetext\mult@LTRfootnotetext
14667   \fi
14668   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14669     \let\orig@RTLfootnotetext\@RTLfootnotetext
14670     \let\@RTLfootnotetext\mult@RTLfootnotetext
14671   \fi
14672   \@ifnextchar[\mult@cols{\mult@cols[]}]
14673 \long\def\mult@footnotetext#1{\begingroup
14674   \hsize\textwidth
14675   \columnwidth\textwidth
14676   \orig@footnotetext{#1}\endgroup}
14677 \long\def\mult@LTRfootnotetext#1{\begingroup
14678   \hsize\textwidth
14679   \columnwidth\textwidth
14680   \orig@LTRfootnotetext{#1}\endgroup}
14681 \long\def\mult@RTLfootnotetext#1{\begingroup
14682   \hsize\textwidth
14683   \columnwidth\textwidth
14684   \orig@RTLfootnotetext{#1}\endgroup}
14685 \def\right@footnoterule{%
14686   \kern-3\p@
14687   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14688   \kern2.6\p@}
14689 \def\textwidth@footnoterule{\kern-3\p@
14690   \hrule \@width \textwidth \kern 2.6\p@}

```

85 File multienum-xetex-bidi.def

```

14691 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
14692 \renewcommand{\itemx}[1]{\parbox[t]{%
14693   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14694   \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14695 \renewcommand{\itemxx}[2]{\parbox[t]{%
14696   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14697   \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14698   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

14699 \parbox[t]{0.5\remainxxx}{\bidi@raggedright #2}\smallskip}
14700 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14701 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14702 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14703 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
14704 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
14705 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14706 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
14707 \renewcommand{\itemxxx}[4]{\parbox[t]{%
14708 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14709 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14710 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14711 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14712 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14713 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
14714 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14715 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
14716 \renewcommand{\itemxxxx}[5]{\parbox[t]{%
14717 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14718 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
14719 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14720 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
14721 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14722 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
14723 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14724 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
14725 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14726 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
14727 \renewcommand{\itemxox}[2]{\parbox[t]{%
14728 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14729 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14730 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14731 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
14732 \renewcommand{\itemxox}[2]{\parbox[t]{%
14733 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14734 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
14735 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14736 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
14737 \renewcommand{\itemxox}[3]{\parbox[t]{%
14738 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14739 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14740 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14741 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14742 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14743 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14744 \renewcommand{\itemxox}[3]{\parbox[t]{%
14745 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14746 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14747 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14748 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%

```




```

14749 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14750 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14751 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
14752 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14753 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14754 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14755 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14756 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14757 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

86 File natbib-xetex-bidi.def

```

14758 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for ]
14759 \renewenvironment{thebibliography}[1]{%
14760   \bibsection
14761   \parindent\z@
14762   \bibpreamble
14763   \bibfont
14764   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14765   \bidi@thebibliography@font@hook%
14766   \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14767   \ifNAT@openbib
14768     \renewcommand\newblock{\par}%
14769   \else
14770     \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
14771   \fi
14772   \sloppy\clubpenalty4000\widowpenalty4000
14773   \sfcode`\.\@m
14774   \let\NAT@bibitem@first@sw\@firstoftwo
14775     \let\citeN\cite \let\shortcite\cite
14776     \let\citeasnoun\cite
14777 }{%
14778   \bibitem@fin
14779   \bibpostamble
14780   \def\@noitemerr{%
14781     \PackageWarning{natbib}{Empty `thebibliography' environment}%
14782   }%
14783   \endlist
14784   \bibcleanup
14785 }%

```

87 File newfloat-xetex-bidi.def

```

14786 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package ]
14787 \renewcommand*\newfloat@setwithin[2]{%
14788   \ifcsname c@chapter\endcsname
14789     \@removefromreset{#1}{chapter}%
14790   \fi
14791   \@removefromreset{#1}{section}%
14792   \edef\@tempa{#2}%

```



```

14793 \ifx\@tempa\@empty
14794 \def\@tempa{none}%
14795 \fi
14796 \def\@tempb{none}%
14797 \ifx\@tempa\@tempb
14798 \ifcsname c@chapter\endcsname
14799 \@chapterlistsgap@off{#1}%
14800 \fi
14801 \newfloat@@setwithin{#1}{-}{}%
14802 \else
14803 \def\@tempb{chapter}%
14804 \ifx\@tempa\@tempb
14805 \@addtoreset{#1}{chapter}%
14806 \@chapterlistsgap@on{#1}%
14807 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14808 \else
14809 \def\@tempb{section}%
14810 \ifx\@tempa\@tempb
14811 \@addtoreset{#1}{section}%
14812 \ifcsname c@chapter\endcsname
14813 \@addtoreset{#1}{chapter}%
14814 \@chapterlistsgap@on{#1}%
14815 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14816 \else
14817 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
14818 \fi
14819 \else
14820 \newfloat@Error{Invalid value `#2' for option `within'}%
14821 \fi
14822 \fi
14823 \fi}

```

88 File ntheorem-xetex-bidi.def

```

14824 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
14825 \gdef\@thm#1#2#3{%
14826 \if@thmmarks
14827 \stepcounter{end\InTheoType ctr}%
14828 \fi
14829 \renewcommand{\InTheoType}{#1}%
14830 \if@thmmarks
14831 \stepcounter{curr#1ctr}%
14832 \setcounter{end#1ctr}{0}%
14833 \fi
14834 \refstepcounter{#2}%
14835 \theorem@prework
14836 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14837 \ifvmode \advance\thm@topsepadd\partopsep\fi
14838 \trivlist
14839 \@topsep \theorempreskipamount

```



```

14840 \topsepadd \thm@topsepadd % used by \endparenv
14841 \advance\linewidth -\theorem@indent
14842 \advance\@totalleftmargin \theorem@indent
14843 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14844 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

89 File ntheorem-hyper-xetex-bidi.def

```

14845 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
14846 \gdef\@thm#1#2#3{%
14847 \if@thmmarks
14848 \stepcounter{end\InTheoType ctr}%
14849 \fi
14850 \renewcommand{\InTheoType}{#1}%
14851 \if@thmmarks
14852 \stepcounter{curr#1ctr}%
14853 \setcounter{end#1ctr}{0}%
14854 \fi
14855 \refstepcounter{#2}%
14856 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14857 \ifvmode \advance\thm@topsepadd\partopsep\fi
14858 \trivlist
14859 \@topsep \theorempreskipamount
14860 \topsepadd \thm@topsepadd % used by \endparenv
14861 \advance\linewidth -\theorem@indent
14862 \advance\@totalleftmargin \theorem@indent
14863 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14864 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

90 File overpic-xetex-bidi.def

```

14865 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for
14866 \renewenvironment{overpic}[2] [] {%
14867 \sbox{\z@}{\includegraphics[#1]{#2}}%
14868 \settodepth{\@tempcnta}{\usebox{\z@}}%
14869 \settoheight{\@tempcntb}{\usebox{\z@}}%
14870 \advance\@tempcntb\@tempcnta%
14871 \settowidth{\@tempcnta}{\usebox{\z@}}%
14872 \setlength{\@tempdima}{\unitlength}%
14873 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14874 %
14875 \OVP@calc%
14876 %
14877 \begin{picture}(\@tempcnta,\@tempcntb)%
14878 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14879 \ifGin@grid%
14880 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14881 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14882 \fi\fi%
14883 % reset the graphics parameter

```



```

14884 \let\Gin@outer@scalex\relax
14885 \let\Gin@outer@scaley\relax
14886 \let\Gin@angle\relax
14887 \let\Gin@ewidth\Gin@exclamation
14888 \let\Gin@eheight\Gin@ewidth
14889 \def\Gin@scalex{1}
14890 \let\Gin@scaley\Gin@exclamation
14891 }{%
14892 \ifRTL\ifGin@grid%
14893 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14894 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14895 \fi%
14896 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14897 \end{picture}%
14898 }%

```

91 File pdfbase-xetex-bidi.def

```

14899 \ProvidesFile{pdfbase-xetex-bidi.def}[2017/08/27 v0.1 bidi adaptations for pdfbase package for
14900 \ExplSyntaxOn
14901 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
14902 \cs_set_nopar:Npn\@outputpage{
14903 \int_gincr:N\g_pbs_page_int
14904 \iow_now:Nx\@mainaux{
14905 \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
14906 }
14907 \box_if_vertical:cTF{\@outputbox}{
14908 \bool_set_true:N\l_pbs_is_vertical_bool
14909 }{
14910 \bool_set_false:N\l_pbs_is_vertical_bool
14911 }
14912 \hbox_set:Nn\@outputbox{
14913 %begin of page
14914 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
14915 \box_use_clear:N\@outputbox
14916 %end of page
14917 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
14918 %end of dvi
14919 \int_compare:nT{\pbs@last@page=\g_pbs_page_int}{
14920 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eod_seq{##1}}
14921 }
14922 }
14923 \bool_if:NT\l_pbs_is_vertical_bool{
14924 \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
14925 }
14926 %insert /Properties into current page's resources
14927 \pbs_insert_properties_entry:
14928 \pbs_outputpage_orig:
14929 }
14930 \ExplSyntaxOff

```



92 File pdfpages-xetex-bidi.def

```

14931 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
14932 \renewcommand*{\includepdf}[2][{}]{%
14933   \begingroup
14934   \@RTLfalse
14935   \let\AM@threadname\relax
14936   \AM@split@options{pdfpages}{#1}%
14937   \edef\AM@temp{\pdfpages{\the\@temptokena}}%
14938   \expandafter\setkeys\AM@temp
14939   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
14940     \let\AM@currentdocname\relax
14941     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
14942     \def\AM@pagecount{0}%
14943   }{%
14944     \AM@findfile{#2}%
14945     \if\AM@threadname\relax
14946       \def\AM@threadname{\AM@currentdocname}%
14947     \fi
14948   }%
14949   \ifAM@survey
14950     \def\AM@pagestemp{}%
14951     \@tempcnta=0
14952     \def\foo{%
14953       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
14954       {\let\foo\relax}
14955       {\expandafter\ifx\expandafter\\AM@pagestemp\\
14956         \edef\AM@pagestemp{%
14957           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14958         \else
14959           \edef\AM@pagestemp{\AM@pagestemp,%
14960             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14961         \fi
14962         \advance\@tempcnta 1\relax
14963       }%
14964     \foo
14965   }%
14966   \foo
14967   \expandafter\ifx\expandafter\\AM@pagestemp\\
14968     \def\AM@pagestemp{1}%
14969   \fi
14970 \fi
14971 \ifAM@output
14972   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
14973   \AM@output{#1}%
14974 \fi
14975 \AM@CheckAtEnd
14976 \endgroup
14977 \AM@ClearShipoutPicture
14978 }

```



93 File pgfcorescopes.code-xetex-bidi.def

```

14979 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
14980 \def\pgfpicture{%
14981   \begingroup%
14982   \ifmmode\else\@RTLfalse\beginL\fi%
14983   \pgfpicturetrue%
14984   \global\advance\pgf@picture@serial@count by1\relax%
14985   \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
14986   \let\pgf@nodecallback=\pgfutil@gobble%
14987   \pgf@picmaxx=-16000pt\relax%
14988   \pgf@picminx=16000pt\relax%
14989   \pgf@picmaxy=-16000pt\relax%
14990   \pgf@picminy=16000pt\relax%
14991   \pgf@relevantforpicturesizetrue%
14992   \pgf@resetpathsizes%
14993   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
14994 \def\endpgfpicture{%
14995   \ifpgfrememberpicturepositiononpage%
14996     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
14997   \fi%
14998   % ok, now let's position the box
14999   \ifdim\pgf@picmaxx=-16000pt\relax%
15000     % empty picture. make size 0.
15001     \global\pgf@picmaxx=0pt\relax%
15002     \global\pgf@picminx=0pt\relax%
15003     \global\pgf@picmaxy=0pt\relax%
15004     \global\pgf@picminy=0pt\relax%
15005   \fi%
15006   % Shift baseline outside:
15007   \pgf@relevantforpicturesizefalse%
15008   \pgf@process{\pgf@baseline}%
15009   \xdef\pgf@shift@baseline{\the\pgf@y}%
15010   %
15011   \pgf@process{\pgf@trimleft}%
15012   \global\advance\pgf@x by-\pgf@picminx
15013   % prepare \hskip\pgf@trimleft@final.
15014   % note that \pgf@trimleft@final is also queried
15015   % by the pgf image externalization.
15016   \xdef\pgf@trimleft@final{-\the\pgf@x}%
15017   %
15018   \pgf@process{\pgf@trimright}%
15019   \global\advance\pgf@x by-\pgf@picmaxx
15020   % prepare \hskip\pgf@trimright@final.
15021   % note that \pgf@trimright@final is also queried
15022   % by the pgf image externalization.
15023   \xdef\pgf@trimright@final{\the\pgf@x}%
15024   %
15025   \pgf@remember@layerlist@globally
15026   \endgroup%

```



```

15027         \hss%
15028         \egroup%
15029         \pgf@restore@layerlist@from@global
15030         \pgf@insertlayers%
15031         \endgroup%
15032         \pgfsys@discardpath%
15033         \endgroup%
15034         \pgfsys@endscope%
15035         \pgfsys@endpicture%
15036         \endgroup%
15037         \hss
15038     \egroup%
15039     \pgfsys@typesetpicturebox\pgfpic%
15040     \ifmmode\else\endL\fi%
15041 \endgroup%
15042 }

```

94 File `picinpar-xetex-bidi.def`

```

15043 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15044 \long\def\@makewincaption#1#2{%
15045     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15046     \ifdim\wd\@tempboxa>\picwd
15047         {\footnotesize{\bf #1:\enspace}{#2\par}}
15048     \else
15049         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15050     \fi}
15051 \def\endwindow{%
15052     \global\tcd=\tcdsav
15053     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15054     \vbadness=10000
15055     \splittopskip=0pt
15056 %
15057 % Typeset the lines above the window
15058 %
15059 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15060 \tcn=\tcd
15061 \loop\advance\tcn -1
15062 \setbox\fslice=\vsplit\holder to\baselineskip
15063 \prune\fslice\linewidth
15064 \topheight=0pt
15065 \ifnum\dp\fslice>\dp\wstrutbox
15066     \advance\topheight-\dp\fslice
15067     \advance\topheight\dp\wstrutbox
15068     \advance\topheight\ilg\fi
15069 \hbox to\linewidth{\box\fslice}
15070 \vskip-\topheight
15071 \ifdim\ht\holder>0pt\repeat
15072 \fi
15073 %

```



```

15074 % Now we build the boxes beside the window
15075 %
15076 \global\topheight=\tcl\baselineskip
15077 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15078     \global\topheight=\vpic
15079 \fi
15080 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15081 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15082 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15083 \tcn=\tcl \na=0 \nb=0
15084 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15085 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15086 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15087 \ifnum\na=0\ifnum\nb=0
15088     \setbox\waslice=\vbox to\vpic{\vss}
15089     \setbox\wbslice=\vbox to\vpic{\vss}
15090     \bl=1\br=1
15091     \vskip\ilg
15092 \fi\fi
15093 %
15094 % both sides
15095 %
15096 \ifnum\na>0 \ifnum\nb>0
15097 \loop\advance\nb -1
15098 \advance\na -1
15099 \if@RTL%
15100 \setbox\bslice=\vsplit\holder to\baselineskip
15101 \prune\bslice\rtside
15102 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15103 to\rtside{\box\bslice\hfil}}
15104 \setbox\aslice=\vsplit\holder to\baselineskip
15105 \prune\aslice\lftside
15106 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15107 to\lftside{\box\aslice\hfil}}
15108 \else%
15109 \setbox\aslice=\vsplit\holder to\baselineskip
15110 \prune\aslice\lftside
15111 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15112 to\lftside{\box\aslice\hfil}}
15113 \setbox\bslice=\vsplit\holder to\baselineskip
15114 \prune\bslice\rtside
15115 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15116 to\rtside{\box\bslice\hfil}}
15117 \fi%
15118 \ifnum\nb>0\repeat
15119 \fi\fi
15120 %
15121 % only text on the left side
15122 %
15123 \ifnum\na>0

```




```

15124 \loop\advance\na -1
15125 \setbox\aslice=\vsplit\holder to\baselineskip
15126 \prune\aslice\lftside
15127 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15128 to\lftside{\box\aslice\hfil}}
15129 \ifdim\ht\holder>0pt\repeat
15130 \fi
15131 %
15132 % only text on the right side
15133 %
15134 \ifnum\nb>0
15135 \loop\advance\nb -1
15136 \setbox\bslice=\vsplit\holder to\baselineskip
15137 \prune\bslice\rtside
15138 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15139 to\rtside{\box\bslice\hfil}}
15140 \ifdim\ht\holder>0pt\repeat
15141 \fi
15142 %
15143 % fixing the dimensions of the window part
15144 %
15145 \ifnum\bl=0\topheight=\ht\wbslice
15146 \else\ifnum\br=0\topheight=\ht\waslice
15147 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15148 \else\topheight=\ht\wbslice\fi\fi\fi
15149 %
15150 % ship out the window material to the main vertical list
15151 %
15152 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15153 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15154 \fi\fi\fi
15155 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15156 \ifnum\bl>0\box\waslice\hfill\fi%
15157 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15158 \vfill\unvbox\picbox%
15159 \ifnum\picwd>0\vfill\fi%
15160 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15161 \unvbox>windowbox%
15162 \loop
15163 \setbox\bslice=\vsplit\rawtext to\baselineskip
15164 \prune\bslice\linewidth
15165 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15166 \unvbox\wbslice
15167 \ifdim\ht\rawtext>0pt
15168 \repeat
15169 }% FINITO

```

95 File plain-xetex-bidi.def

```

15170 \def\TeXeTOn{\TeXeTstate=1 }

```



```

15171 \def\TeXeTOff{\TeXeTstate=0 }
15172 \TeXeTOn
15173 \def\usebox#1{\leavevmode\copy #1\relax}
15174 \def\bidirectional@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
15175   \let\bidirectional@everypar=\everypar
15176   \newtoks\bidirectional@everypar
15177   \bidirectional@everypar\expandafter{\the\bidirectional@everypar}
15178   \bidirectional@everypar{\bidirectional@everypar\the\bidirectional@everypar}
15179   \let\everypar=\bidirectional@everypar
15180 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15181 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15182 \protected\def\hboxR{\hbox\bgroup
15183   \everyhbox{%
15184     \aftergroup\egroup
15185     \everyhbox{}}%
15186   \beginR
15187   \@hboxRconstructtrue
15188   \bgroup
15189   \aftergroup\endR
15190   \aftergroup\egroup
15191 } \hbox}
15192 \protected\def\hboxL{\hbox\bgroup
15193   \everyhbox{%
15194     \aftergroup\egroup
15195     \everyhbox{}}%
15196   \beginL
15197   \@hboxRconstructfalse
15198   \bgroup
15199   \aftergroup\endL
15200   \aftergroup\egroup
15201 } \hbox}
15202 \protected\def\vboxR{\vbox\bgroup
15203   \everyvbox{%
15204     \aftergroup\egroup
15205     \everyvbox{}}%
15206   \@RTLtrue
15207   \bgroup
15208   \aftergroup\egroup
15209 } \vbox}
15210 \protected\def\vboxL{\vbox\bgroup
15211   \everyvbox{%
15212     \aftergroup\egroup
15213     \everyvbox{}}%
15214   \@RTLfalse
15215   \bgroup
15216   \aftergroup\egroup
15217 } \vbox}
15218 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15219 \def\endLTR{\par}
15220 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}

```



```

15221 \def\endRTL{\par}
15222 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15223 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15224 \let\unsetRTL=\setLTR
15225 \let\unsetLTR=\setRTL
15226 \let\LR=\LRE
15227 \let\RL=\RLE
15228 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15229 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15230 \let\@ensure@RL=\@ensure@RTL
15231 \let\@ensure@LR=\@ensure@LTR
15232 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15233 \let\@ensure@maindir=\@ensure@dir
15234 \def\@@RTL{RTL}
15235 \def\@@LTR{LTR}
15236 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
15237 \def\reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi\fi}
15238 \let\@@TeX\TeX
15239 \def\TeX{\@ensure@LTR{\@@TeX}}
15240 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15241 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
15242 \ifvoid\footins\else % footnote info is present
15243 \vskip\skip\footins
15244 \footnoterule
15245 \unvbox\footins\fi
15246 \ifr@ggedbottom \kern-\dimen@ \vfil \fi
15247 \ifvoid\@bidi@copyins@
15248 \else
15249 \vskip\skip\@bidi@copyins@
15250 \unvbox\@bidi@copyins@
15251 \fi
15252 }
15253 \long\def\bidi@reflect@box#1{%
15254 \leavevmode
15255 \setbox\z@\hbox{#1}}%
15256 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15257 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15258 }
15259 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
15260 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15261 \let\setRL=\setRTL
15262 \let\setLR=\setLTR
15263 \let\unsetRL=\setLTR
15264 \let\bidi@saved@eqno=\eqno
15265 \let\bidi@saved@leqno=\leqno
15266 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
15267 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
15268 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15269 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15270 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```



96 File pstricks-xetex-bidi.def

```

15271 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15272 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15273 \def\endpspicture{%
15274   \ifshowgrid\ifnum\showgridp>0
15275     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15276   \pst@killglue
15277 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
15278   \endgroup
15279   \egroup
15280   \ifdim\wd\pst@hbox=\z@ \else
15281     %\@pstrickserr{Extraneous space in the pspicture environment}%
15282     %\Type \space <return> \space to proceed.}%
15283   \fi
15284   \ht\pst@hbox=\pst@dimd
15285   \dp\pst@hbox=-\pst@dimb
15286   \setbox\pst@hbox=\hbox{%
15287     \kern-\pst@dimd
15288 %   Orig version -----
15289 %\ifx\pst@tempa\@empty\else
15290 %\advance\pst@dimd-\pst@dimb
15291 %\pst@dimd=\pst@tempa\pst@dimd
15292 %\advance\pst@dimd\pst@dimb
15293 %\lower\pst@dimd
15294 %\fi
15295 %----- end Orig
15296   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15297   \advance\pst@dimd-\pst@dimb
15298   \pst@dimd=0.5\pst@dimd
15299   \else\pst@dimd-\pst@shift\fi
15300   \advance\pst@dimd\pst@dimb
15301   \lower\pst@dimd
15302   \box\pst@hbox
15303   \kern\pst@dimc}%
15304   \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15305   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15306   \fboxsep=0pt
15307   \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15308   \ifmmode\else\endL\fi
15309   \endgroup%
15310   \psset[pstricks]{shift=0}% reset value
15311 }

```

97 File quotchap-xetex-bidi.def

```

15312 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15313 \renewcommand{\qauthor}[1]{%
15314   \par\smallskip
15315   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}

```



```

15316 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15317   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15318     {\chapnumfont
15319       \ifnum \c@secnumdepth >\m@ne%
15320         \if@mainmatter\thechapter%
15321         \fi\fi
15322         \par\nobreak}%
15323     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi10pt}
15324     \nobreak\chapterheadendvskip}}
15325 \renewcommand*{\@iprintcites}{%
15326   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15327   \global\let\@printcites\relax}

```

98 File ragged2e-xetex-bidi.def

```

15328 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
15329 \renewcommand{\Centering}{%
15330   \ifx\\ \@raggedtwoe@savedcr
15331     \let\\ \@centercr
15332   \fi
15333   \let\@gnewline\@raggedtwoe@gnewline
15334   \if@RTL\rightrightmargin\else\leftmargin\fi\CenteringLeftskip
15335   \@rightskip\CenteringRightskip
15336   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip
15337   \parfillskip\CenteringParfillskip
15338   \parindent\CenteringParindent
15339   \@raggedtwoe@spaceskiptrue
15340   \@raggedtwoe@everyselectfont
15341 }
15342 \renewcommand{\RaggedLeft}{%
15343   \ifx\\ \@raggedtwoe@savedcr
15344     \let\\ \@centercr
15345   \fi
15346   \let\@gnewline\@raggedtwoe@gnewline
15347   \if@RTL\rightrightmargin\else\leftmargin\fi\RaggedLeftLeftskip
15348   \@rightskip\RaggedLeftRightskip
15349   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip
15350   \parfillskip\RaggedLeftParfillskip
15351   \parindent\RaggedLeftParindent
15352   \@raggedtwoe@spaceskiptrue
15353   \@raggedtwoe@everyselectfont
15354 }
15355 \renewcommand{\RaggedRight}{%
15356   \ifx\\ \@raggedtwoe@savedcr
15357     \let\\ \@centercr
15358   \fi
15359   \let\@gnewline\@raggedtwoe@gnewline
15360   \if@RTL\rightrightmargin\else\leftmargin\fi\RaggedRightLeftskip
15361   \@rightskip\RaggedRightRightskip
15362   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip

```



```

15363 \parfillskip\RaggedRightParfillskip
15364 \parindent\RaggedRightParindent
15365 \@raggedtwoe@spaceskiptrue
15366 \@raggedtwoe@everyselectfont
15367 }
15368 \renewcommand{\justifying}{%
15369 \let\\@raggedtwoe@savedcr
15370 \let\@gnewline\@raggedtwoe@saved@gnewline
15371 \if@RTL\rightright\else\leftskip\fi\z@
15372 \@rightskip\z@
15373 \if@RTL\leftskip\else\rightright\fi\@rightskip
15374 \parfillskip\JustifyingParfillskip
15375 \parindent\JustifyingParindent
15376 \@raggedtwoe@spaceskipfalse
15377 \@raggedtwoe@everyselectfont
15378 }
15379 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{%
15380 \CheckCommand*{\@arrayparboxrestore}{%
15381 \let\if@nobreak\iffalse
15382 \let\if@noskipsec\iffalse
15383 \let\par\@par
15384 \let\-\@dischyph
15385 \let'\@acci\let'\@accii\let\=\@acciii
15386 \parindent\z@ \parskip\z@skip
15387 \everypar{}%
15388 \linewidth\hsize
15389 \@totalleftmargin\z@
15390 \if@RTL\rightright\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightright\fi\z@skip \@right
15391 \parfillskip\@flushglue \lineskip\normallineskip
15392 \baselineskip\normalbaselineskip
15393 \sloppy}%
15394 \renewcommand{\@arrayparboxrestore}{%
15395 \let\if@nobreak\iffalse
15396 \let\if@noskipsec\iffalse
15397 \let\par\@par
15398 \let\-\@dischyph
15399 \let'\@acci\let'\@accii\let\=\@acciii
15400 \parskip\z@skip
15401 \everypar{}%
15402 \linewidth\hsize
15403 \@totalleftmargin\z@
15404 \RaggedRight
15405 \lineskip\normallineskip
15406 \baselineskip\normalbaselineskip
15407 \sloppy}%
15408 \let\@raggedtwoe@raggedrightboxes@opt\relax
15409 }
15410 \let\origin@RaggedLeft=\RaggedLeft
15411 \let\origin@RaggedRight=\RaggedRight
15412 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}

```



```
15413 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}
```

99 File rapport1-xetex-bidi.def

```
15414 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15415 \renewenvironment{theindex}{%
15416   \if@twocolumn
15417     \@restonecolfalse
15418   \else
15419     \@restonecoltrue
15420   \fi
15421   \columnseprule \z@
15422   \columnsep 35\p@
15423   \twocolumn[\@makeschapterhead{\indexname}]{%
15424     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15425     \thispagestyle{plain}\parindent\z@
15426     \parskip\z@ \@plus .3\p@\relax
15427     \let\item\@idxitem
15428   }{%
15429     \if@restonecol\onecolumn\else\clearpage\fi}
15430 \renewcommand*{\head@style}{%
15431   \interlinepenalty \@M
15432   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15433   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15434 \if@titlepage
15435   \renewenvironment{abstract}{%
15436     \titlepage
15437     \null\vfil
15438     \section*{\SectFont\abstractname}%
15439     \noindent\ignorespaces}
15440   {\par\vfil\null\endtitlepage}
15441 \else
15442   \renewenvironment{abstract}{%
15443     \if@twocolumn
15444       \section*{\abstractname}%
15445     \else
15446       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15447       \section*{\small\SectFont\abstractname}%
15448       \noindent\ignorespaces
15449     \fi}
15450   {\if@twocolumn\else\par\egroup\fi}
15451 \fi
15452 \renewcommand*{\@regtocline}[3]{%
15453   \ifnum #1>\c@tocdepth
15454   \else
15455     \vskip\z@ \@plus .2\p@
15456     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15457     \if@RTL\rightskip\else\leftskip\fi=\unitindent
15458     \if@RTL\leftskip\else\rightskip\fi=\unitindent\@plus 1fil
15459     \parfillskip\z@
```



```

15460 \@tempdima\unitindent
15461 \parindent\z@
15462 \leavevmode
15463 \hbox{}\hskip -\if@RTL\rightright\else\leftskip\fi\relax#2\nobreak
15464 \hskip 1em \nobreak{\slshape #3}\par
15465 }%
15466 \fi}
15467 \if@oldtoc
15468 \renewcommand*\l@part[2]{%
15469 \ifnum \c@tocdepth >-2\relax
15470 \addpenalty{-\@highpenalty}%
15471 \addvspace{2.25em \@plus\p@}%
15472 \begingroup
15473 \setlength\@tempdima{3em}%
15474 \parindent \z@ \if@RTL\leftskip\else\rightright\fi \@pnumwidth
15475 \parfillskip -\@pnumwidth
15476 {\leavevmode
15477 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15478 \nobreak
15479 \global\@nobreaktrue
15480 \everypar{\global\@nobreakfalse\everypar{}}}%
15481 \endgroup
15482 \fi}
15483 \else
15484 \renewcommand*\l@part{%
15485 \ifnum \c@tocdepth >-2\relax
15486 \addpenalty{-\@highpenalty}%
15487 \addvspace{2.25em \@plus \p@}%
15488 \@regtocline{0}%
15489 \fi}
15490 \fi
15491 \if@oldtoc
15492 \renewcommand*\l@chapter[2]{%
15493 \addpenalty{-\@highpenalty}%
15494 \vskip 1.0em \@plus\p@
15495 \setlength\@tempdima{1.5em}%
15496 \begingroup
15497 \parindent \z@ \if@RTL\leftskip\else\rightright\fi \@pnumwidth
15498 \parfillskip -\@pnumwidth
15499 \leavevmode \bfseries
15500 \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
15501 \hskip -\if@RTL\rightright\else\leftskip\fi
15502 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15503 \penalty\@highpenalty
15504 \endgroup}
15505 \else
15506 \renewcommand*\l@chapter{\@regtocline{0}}
15507 \fi
15508 \renewcommand*\left@footnoterule{%
15509 \kern-3\p@

```




```

15510 \kern.5\baselineskip
15511 \hrule\@width\unitindent
15512 \kern.4\baselineskip
15513 }
15514 \renewcommand*\right@footnoterule{%
15515 \kern-3\p@
15516 \kern.5\baselineskip
15517 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15518 \kern.4\baselineskip}
15519 \renewenvironment{thebibliography}[1]
15520 {
15521 \chapter*\bibname}%
15522 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15523 \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@RTLtrue\else\fi\fi
15524 \list{\@biblabel{\@arabic\c@enumiv}}%
15525 {\settowidth\labelwidth{\@biblabel{#1}}%
15526 \leftmargin\labelwidth
15527 \advance\leftmargin\labelsep
15528 \@openbib@code
15529 \usecounter{enumiv}%
15530 \let\p@enumiv\@empty
15531 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15532 \sloppy\clubpenalty4000\widowpenalty4000%
15533 \sfcode\.\@m}
15534 \def\@noitemerr
15535 {\@latex@warning{Empty `thebibliography' environment}}%
15536 \endlist}
15537 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15538 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15539 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15540 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15541 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15542 \renewcommand*\theequation{%
15543 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15544 \renewcommand*\thefigure{%
15545 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
15546 \renewcommand*\thetable{%
15547 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
15548 \if@titlepage
15549 \renewcommand*\TitleFont{\rmfamily}
15550 \renewcommand*\maketitle{%
15551 \begin{titlepage}%
15552 \let\footnotesize\small
15553 \let\right@footnoterule\relax
15554 \let\left@footnoterule\relax
15555 \let\textwidth\footnoterule\relax
15556 \let \footnote \thanks
15557 \long\def\@makefnmark##1{\parindent\z@
15558 \def\labelitemi{\textendash}\@revlabeltrue
15559 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}

```



```

15560 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15561 \ifcompatibility\setcounter{page}{0}\fi
15562 \null\vfil
15563 \vskip 60\p@
15564 \begin{center}%
15565 \TitleFont
15566 {\LARGE \def\{\penalty -\@M}
15567 \if@allcaps
15568 \expandafter\uc@nothanks\@title\thanks\relax
15569 \else
15570 \@title
15571 \fi\par}%
15572 \vskip 3em%
15573 {\large
15574 \lineskip .75em \parindent\z@
15575 \begin{tabular}[t]{c}%
15576 \if@allcaps
15577 \expandafter\uc@authornothanks\@author\and\relax
15578 \else
15579 \@author
15580 \fi
15581 \end{tabular}\par}%
15582 \vskip 1.5em%
15583 {\large
15584 \if@allcaps
15585 \uppercase\expandafter{\@date}%
15586 \else
15587 \@date
15588 \fi\par}%
15589 \end{center}\par
15590 \@thanks
15591 \vfil\null
15592 \end{titlepage}%
15593 \setcounter{footnote}{0}%
15594 \global\let\thanks\relax
15595 \global\let\maketitle\relax
15596 \global\let\@thanks\@empty
15597 \global\let\@author\@empty
15598 \global\let\@title\@empty
15599 \global\let\@date\@empty
15600 \global\let\title\relax
15601 \global\let\author\relax
15602 \global\let\date\relax
15603 \global\let\and\relax
15604 }
15605 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15606 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15607 \futurelet\@tempa\uc@ax}
15608 \def\uc@ax{%
15609 \ifx\@tempa\relax

```



```

15610 \else
15611     \\\ \andname \\\ \expandafter\uc@authornothanks
15612 \fi}
15613 \def\uc@tx{\ifx\@tempa\relax
15614     \else \expandafter\uc@ty \fi}
15615 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15616 \else
15617 \renewcommand*\maketitle{\par
15618 \begingroup
15619 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15620 \def\@makefnmark{\rlap{%
15621     \@textsuperscript{\normalfont\@thefnmark}}}%
15622 \long\def\@makefnmark{\@xmakefnmark}%
15623 \@textsuperscript{\normalfont\@thefnmark}}}%
15624 \if@twocolumn
15625     \ifnum \col@number=\@ne
15626         \@maketitle
15627     \else
15628         \twocolumn[\@maketitle]%
15629     \fi
15630 \else
15631     \newpage
15632     \global\@topnum\z@
15633     \@maketitle
15634 \fi
15635 \thispagestyle{plain}\@thanks
15636 \endgroup
15637 \setcounter{footnote}{0}%
15638 \global\let\thanks\relax
15639 \global\let\maketitle\relax
15640 \global\let\@maketitle\relax
15641 \global\let\@thanks\@empty
15642 \global\let\@author\@empty
15643 \global\let\@title\@empty
15644 \global\let\@date\@empty
15645 \global\let\title\relax
15646 \global\let\author\relax
15647 \global\let\date\relax
15648 \global\let\and\relax
15649 }
15650 \def\@maketitle{%
15651 \newpage
15652 \null
15653 \vskip 2em%
15654 \begin{center}%
15655     \let \footnote \thanks
15656     {\LARGE \TitleFont \@title \par}%
15657     \vskip 1.5em%
15658     {\large \TitleFont
15659         \lineskip .5em%

```



```

15660      \begin{tabular}[t]{c}%
15661          \@author
15662      \end{tabular}\par}%
15663      \vskip 1em%
15664      {\large \TitleFont \@date}%
15665  \end{center}%
15666  \par
15667  \vskip 1.5em}
15668 \fi

```

100 File rapport3-xetex-bidi.def

```

15669 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
15670 \renewenvironment{theindex}{%
15671     \if@twocolumn
15672         \@restonecolfalse
15673     \else
15674         \@restonecoltrue
15675     \fi
15676     \columnseprule \z@
15677     \columnsep 35\p@
15678     \twocolumn[\@makeschapterhead{\indexname}]%
15679     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15680     \thispagestyle{plain}\parindent\z@
15681     \parskip\z@ \@plus .3\p@\relax
15682     \let\item\@idxitem
15683 }{%
15684     \if@restonecol\onecolumn\else\clearpage\fi}
15685 \if@titlepage
15686 \renewcommand*\TitleFont{\rmfamily}
15687 \renewcommand*\maketitle{%
15688     \begin{titlepage}%
15689         \let\footnotesize\small
15690         \let\right@footnoterule\relax
15691         \let\left@footnoterule\relax
15692         \let\textwidth@footnoterule\relax
15693         \let \footnote \thanks
15694         \let \LTRfootnote \LTRthanks
15695         \let \RTLfootnote \RTLthanks
15696         \long\def\@makefnmark##1{\parindent\z@
15697             \def\labelitemi{\textendash}\@revlabeltrue
15698             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15699         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15700         \if@compatibility\setcounter{page}{0}\fi
15701         \null\vfil
15702         \vskip 60\p@
15703         \begin{center}%
15704             \TitleFont
15705             {\LARGE \def\\{\penalty -\@M}
15706             \if@allcaps

```



```

15707         \expandafter\uc@nothanks \@title\thanks\relax
15708     \else
15709         \@title
15710     \fi\par}%
15711     \vskip 3em%
15712     {\large
15713     \lineskip .75em \parindent\z@
15714     \begin{tabular}[t]{c}%
15715         \if@allcaps
15716             \expandafter\uc@authornothanks \@author\and\relax
15717         \else
15718             \@author
15719         \fi
15720     \end{tabular}\par}%
15721     \vskip 1.5em%
15722     {\large
15723     \if@allcaps
15724         \uppercase\expandafter{\@date}%
15725     \else
15726         \@date
15727     \fi\par}%
15728     \end{center}\par
15729     \@thanks
15730     \vfil\null
15731 \end{titlepage}%
15732 \setcounter{footnote}{0}%
15733 \global\let\thanks\relax
15734 \global\let\LTRthanks\relax
15735 \global\let\RTLthanks\relax
15736 \global\let\maketitle\relax
15737 \global\let\@thanks\@empty
15738 \global\let\@author\@empty
15739 \global\let\@title\@empty
15740 \global\let\@date\@empty
15741 \global\let\title\relax
15742 \global\let\author\relax
15743 \global\let\date\relax
15744 \global\let\and\relax
15745 }
15746 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15747 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15748     \futurelet\@tempa\uc@ax}
15749 \def\uc@ax{%
15750     \ifx\@tempa\relax
15751     \else
15752         \ \ \andname \ \ \expandafter\uc@authornothanks
15753     \fi}
15754 \def\uc@tx{\ifx\@tempa\relax
15755     \else \expandafter\uc@ty \fi}
15756 \def\uc@ty#1{\thanks{#1}\uc@nothanks}

```



```

15757 \else
15758 \renewcommand*\maketitle{\par
15759   \begingroup
15760     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15761     \def\@makefnmark{\rlap{%
15762       \@textsuperscript{\normalfont\@thefnmark}}}%
15763     \long\def\@makefntext{\@xmakefntext{%
15764       \@textsuperscript{\normalfont\@thefnmark}}}%
15765     \if@twocolumn
15766       \ifnum \col@number=\@ne
15767         \@maketitle
15768       \else
15769         \twocolumn[\@maketitle]%
15770       \fi
15771     \else
15772       \newpage
15773       \global\@topnum\z@
15774       \@maketitle
15775     \fi
15776     \thispagestyle{plain}\@thanks
15777   \endgroup
15778   \setcounter{footnote}{0}%
15779   \global\let\thanks\relax
15780   \global\let\LTRthanks\relax
15781   \global\let\RTLthanks\relax
15782   \global\let\maketitle\relax
15783   \global\let\@maketitle\relax
15784   \global\let\@thanks\@empty
15785   \global\let\@author\@empty
15786   \global\let\@title\@empty
15787   \global\let\@date\@empty
15788   \global\let\title\relax
15789   \global\let\author\relax
15790   \global\let\date\relax
15791   \global\let\and\relax
15792 }
15793 \def\@maketitle{%
15794   \newpage
15795   \null
15796   \vskip 2em%
15797   \if@titlecentered
15798     \begin{center}%
15799       \let \footnote \thanks
15800       \let \LTRfootnote \LTRthanks
15801       \let \RTLfootnote \RTLthanks
15802       {\LARGE \TitleFont \@title \par}%
15803       \vskip 1.5em%
15804       {\large \TitleFont
15805         \lineskip .5em%
15806         \begin{tabular}[t]{c}%

```



```

15807         \@author
15808         \end{tabular}\par}%
15809         \vskip 1em%
15810         {\large \TitleFont \@date}%
15811     \end{center}%
15812 \else
15813     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
15814     {\large \TitleFont \lineskip .5em \tabcolsep\z@
15815         \def\and{%% \begin{tabular} has already started
15816             \end{tabular}\hskip 1em plus .17fil
15817             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
15818             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
15819     \vskip 1em {\large \TitleFont \@date}
15820 \fi
15821 \par
15822 \vskip 1.5em}
15823 \fi
15824 \renewcommand*\@regtocline[3]{%
15825     \ifnum #1>\c@tocdepth
15826     \else
15827         \vskip\z@\@plus.2\p@
15828         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15829         \if@RTL\righskip\else\leftskip\fi\unitindent
15830         \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15831         \parfillskip\z@
15832         \@tempdima\unitindent
15833         \parindent\z@
15834         \leavevmode
15835         \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15836         \hskip 1em \nobreak{\slshape #3}\par
15837         }%
15838     \fi}
15839 \if@oldtoc
15840 \renewcommand*\l@part[2]{%
15841     \ifnum \c@tocdepth >-2\relax
15842         \addpenalty{-\@highpenalty}%
15843         \addvspace{2.25em \@plus\p@}%
15844         \begingroup
15845             \setlength\@tempdima{3em}%
15846             \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15847             \parfillskip -\@pnumwidth
15848             {\leavevmode
15849                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15850                 \nobreak
15851                 \global\@nobreaktrue
15852                 \everypar{\global\@nobreakfalse\everypar{}}%
15853             \endgroup
15854         \fi}
15855 \else
15856     \renewcommand*\l@part{%

```



```

15857 \ifnum \c@tocdepth >-2\relax
15858 \addpenalty{-\@highpenalty}%
15859 \addvspace{2.25em \@plus \p@}%
15860 \regtocline{0}%
15861 \fi}
15862 \fi
15863 \if@oldtoc
15864 \renewcommand*\l@chapter[2]{%
15865 \addpenalty{-\@highpenalty}%
15866 \vskip 1.0em \@plus \p@
15867 \setlength\@tempdima{1.5em}%
15868 \begingroup
15869 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15870 \parfillskip -\@pnumwidth
15871 \leavevmode \bfseries
15872 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15873 \hskip -\if@RTL\rightskip\else\leftskip\fi
15874 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15875 \penalty\@highpenalty
15876 \endgroup}
15877 \else
15878 \renewcommand*\l@chapter{\regtocline{0}}
15879 \fi
15880 \renewcommand*\head@style{%
15881 \interlinepenalty \@M
15882 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15883 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15884 \if@titlepage
15885 \renewenvironment{abstract}{%
15886 \titlepage
15887 \null\vfil
15888 \section*{\SectFont\abstractname}%
15889 \noindent\ignorespaces}
15890 {\par\vfil\null\endtitlepage}
15891 \else
15892 \renewenvironment{abstract}{%
15893 \if@twocolumn
15894 \section*{\abstractname}%
15895 \else
15896 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15897 \section*{\small\SectFont\abstractname}%
15898 \noindent\ignorespaces
15899 \fi}
15900 {\if@twocolumn\else\par\egroup\fi}
15901 \fi
15902 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15903 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15904 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15905 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15906 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```




```

15907 \renewcommand*\thefigure{%
15908   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15909 \renewcommand*\thetable{%
15910   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15911 \renewcommand*\theequation{%
15912   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
15913 \renewenvironment{thebibliography}[1]
15914   {\chapter*\bibname}%
15915   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15916   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15917   \bidi@thebibliography@font@hook%
15918   \list{\@biblabel{\@arabic\c@enumiv}}%
15919     {\settowidth\labelwidth{\@biblabel{#1}}%
15920     \leftmargin\labelwidth
15921     \advance\leftmargin\labelsep
15922     \@openbib@code
15923     \usecounter{enumiv}%
15924     \let\p@enumiv\@empty
15925     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15926   \sloppy\clubpenalty4000\widowpenalty4000%
15927   \sfcode`\.\@m}
15928   {\def\@noitemerr
15929     {\@latex@warning{Empty `thebibliography' environment}}%
15930   \endlist}
15931 \renewcommand*\left@footnoterule{%
15932   \kern-3\p@
15933   \kern.5\baselineskip
15934   \hrule\@width\unitindent
15935   \kern.4\baselineskip
15936 }
15937 \renewcommand*\right@footnoterule{%
15938   \kern-3\p@
15939   \kern.5\baselineskip
15940   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15941   \kern.4\baselineskip}
15942 \renewcommand*\head@style{%
15943   \interlinepenalty \@M
15944   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15945   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

101 File refrep-xetex-bidi.def

```

15946 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for Xe
15947 \if@titlepage
15948   \renewcommand\maketitle{\begin{titlepage}%
15949     \let\footnotesize\small
15950     \let\right@footnoterule\relax
15951     \let\left@footnoterule\relax
15952     \let\textwidth\footnoterule\relax
15953     \let\footnote\thanks

```



```

15954 \let\LTRfootnote\LTRthanks
15955 \let\RTLfootnote\RTLthanks
15956 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15957 \def\@makefnmark%
15958     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15959 \long\def\@makefntext##1{%
15960     \setpar{\@par
15961         \tempdima = \hsize
15962         \advance\tempdima -1em
15963         \parshape \@ne 1em \tempdima}%
15964     \par\parindent 1em \noindent
15965     \hbext@z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15966 \null\vfil
15967 \vskip 60\p@
15968 \begin{center}%
15969     {\LARGE \@title \par}%
15970     \vskip 3em%
15971     {\large
15972         \lineskip .75em%
15973         \begin{tabular}[t]{c}%
15974             \@author
15975         \end{tabular}\par}%
15976     \vskip 1.5em%
15977     {\large \@date \par}%           % Set date in \large size.
15978 \end{center}\par
15979 \@thanks
15980 \vfil\null
15981 \end{titlepage}%
15982 \setcounter{footnote}{0}%
15983 \global\let\thanks\relax
15984 \global\let\LTRthanks\relax
15985 \global\let\RTLthanks\relax
15986 \global\let\maketitle\relax
15987 \global\let\@thanks\@empty
15988 \global\let\@author\@empty
15989 \global\let\@date\@empty
15990 \global\let\@title\@empty
15991 \global\let\title\relax
15992 \global\let\author\relax
15993 \global\let\date\relax
15994 \global\let\and\relax
15995 }
15996 \else
15997 \renewcommand\maketitle{\par
15998     \begingroup
15999     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16000     \def\@makefnmark%
16001         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16002     \long\def\@makefntext##1{%
16003         \setpar{\@par

```



```

16004         \@tempdima = \hsize
16005         \advance\@tempdima -1em
16006         \parshape \@ne 1em \@tempdima}%
16007     \par\parindent 1em \noindent
16008     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16009 \if@twocolumn
16010     \ifnum \col@number=\@ne
16011         \@maketitle
16012     \else
16013         \twocolumn[\@maketitle]%
16014     \fi
16015 \else
16016     \newpage
16017     \global\@topnum\z@    % Prevents figures from going at top of page.
16018     \@maketitle
16019 \fi
16020 \thispagestyle{empty}\@thanks
16021 \endgroup
16022 \setcounter{footnote}{0}%
16023 \global\let\thanks\relax
16024 \global\let\LTRthanks\relax
16025 \global\let\RTLthanks\relax
16026 \global\let\maketitle\relax
16027 \global\let\@maketitle\relax
16028 \global\let\@thanks\@empty
16029 \global\let\@author\@empty
16030 \global\let\@date\@empty
16031 \global\let\@title\@empty
16032 \global\let\title\relax
16033 \global\let\author\relax
16034 \global\let\date\relax
16035 \global\let\and\relax
16036 }
16037 \def\@maketitle{%
16038     \newpage
16039     \null
16040     \longthickrule\vskip1.5em%
16041     \let \footnote \thanks
16042     \let \LTRfootnote \LTRthanks
16043     \let \RTLfootnote \RTLthanks
16044     {\secshape \parskip\z@ \parindent\z@
16045     \Large\bfseries \@title \par}%
16046     \vskip1.5em\longthickrule\vskip1.5em%
16047     {\normalsize
16048     \lineskip .5em%
16049     \begin{flushright}%
16050         {\slshape\@author\par}
16051         \vskip 1em%
16052         {\@date}%
16053     \end{flushright}\par}%

```



```

16054 \vskip 1.5em}
16055 \fi
16056 \renewcommand*\l@part[2]{%
16057 \ifnum \c@tocdepth >-2\relax
16058 \addpenalty{-\@highpenalty}%
16059 \addvspace{2.25em \@plus\p@}%
16060 \begingroup
16061 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16062 \parfillskip -\@pnumwidth
16063 {\leavevmode
16064 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16065 \nobreak
16066 \global\@nobreaktrue
16067 \everypar{\global\@nobreakfalse\everypar{}}%
16068 \endgroup
16069 \fi}
16070 \renewcommand*\l@chapter[2]{%
16071 \ifnum \c@tocdepth >\m@ne
16072 \addpenalty{-\@highpenalty}%
16073 \vskip 1.0em \@plus\p@
16074 \setlength\@tempdima{1.5em}%
16075 \begingroup
16076 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16077 \parfillskip -\@pnumwidth
16078 \leavevmode \bfseries
16079 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16080 \hskip -\if@RTL\rightskip\else\leftskip\fi
16081 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16082 \penalty\@highpenalty
16083 \endgroup
16084 \fi}
16085 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16086 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16087 \hyphenpenalty=2000}
16088 \renewcommand\left@footnoterule{%
16089 \kern-3\p@
16090 \hrule\@width.4\columnwidth
16091 \kern 2.6\p@}
16092 \renewcommand\right@footnoterule{%
16093 \kern-3\p@
16094 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16095 \kern2.6\p@}
16096 \renewcommand\theequation
16097 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16098 \renewcommand\thefigure
16099 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16100 \renewcommand\thetable%
16101 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16102 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16103 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

16104 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16105 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16106 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16107 \renewenvironment{thebibliography}[1]
16108     {\chapter*{\bibname
16109         \@mkboth{\bibname}{\bibname}}%
16110         \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
16111         \bidi@@thebibliography@font@hook%
16112         \list{\@biblabel{\@arabic\c@enumiv}}%
16113             {\settowidth\labelwidth{\@biblabel{#1}}%
16114             \leftmargin\labelwidth
16115             \advance\leftmargin\labelsep
16116             \@openbib@code
16117             \usecounter{enumiv}%
16118             \let\p@enumiv\@empty
16119             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16120             \sloppy
16121             \clubpenalty4000
16122             \@clubpenalty \clubpenalty
16123             \widowpenalty4000%
16124         \sfcode`\.=\@m}
16125 {\def\@noitemerr
16126     {\@latex@warning{Empty `thebibliography' environment}}}%
16127 \endlist}

```

102 File report-xetex-bidi.def

```

16128 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16129 \renewenvironment{theindex}
16130     {\if@twocolumn
16131         \@restonecolfalse
16132         \else
16133             \@restonecoltrue
16134         \fi
16135         \columnseprule \z@
16136         \columnsep 35\p@
16137         \twocolumn[\@makeschapterhead{\indexname}]%
16138         \@mkboth{\MakeUppercase\indexname}%
16139             {\MakeUppercase\indexname}%
16140         \thispagestyle{plain}\parindent\z@
16141         \parskip\z@ \@plus .3\p@\relax
16142         \let\item\@idxitem}
16143     {\if@restonecol\onecolumn\else\clearpage\fi}
16144 \if@titlepage
16145 \renewcommand\maketitle{\begin{titlepage}%
16146 \let\footnotesize\small
16147 \let\right@footnoterule\relax
16148 \let\left@footnoterule\relax
16149 \let\textwidth\footnoterule\relax
16150 \let \footnote \thanks

```



```

16151 \let \LTRfootnote \LTRthanks
16152 \let \RTLfootnote \RTLthanks
16153 \null\vfil
16154 \vskip 60\p@
16155 \begin{center}%
16156   {\LARGE \@title \par}%
16157   \vskip 3em%
16158   {\large
16159     \lineskip .75em%
16160     \begin{tabular}[t]{c}%
16161       \@author
16162     \end{tabular}\par}%
16163     \vskip 1.5em%
16164     {\large \@date \par}%           % Set date in \large size.
16165 \end{center}\par
16166 \@thanks
16167 \vfil\null
16168 \end{titlepage}%
16169 \setcounter{footnote}{0}%
16170 \global\let\thanks\relax
16171 \global\let\LTRthanks\relax
16172 \global\let\RTLthanks\relax
16173 \global\let\maketitle\relax
16174 \global\let\@thanks\@empty
16175 \global\let\@author\@empty
16176 \global\let\@date\@empty
16177 \global\let\@title\@empty
16178 \global\let\title\relax
16179 \global\let\author\relax
16180 \global\let\date\relax
16181 \global\let\and\relax
16182 }
16183 \else
16184 \renewcommand\maketitle{\par
16185   \begingroup
16186     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16187     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16188     \long\def\@makefntext##1{\parindent 1em\noindent
16189       \hb@xt@1.8em{%
16190         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16191     \if@twocolumn
16192       \ifnum \col@number=\@ne
16193         \@maketitle
16194       \else
16195         \twocolumn[\@maketitle]%
16196       \fi
16197     \else
16198       \newpage
16199       \global\@topnum\z@      % Prevents figures from going at top of page.
16200       \@maketitle

```



```

16201 \fi
16202 \thispagestyle{plain}\@thanks
16203 \endgroup
16204 \setcounter{footnote}{0}%
16205 \global\let\thanks\relax
16206 \global\let\LTRthanks\relax
16207 \global\let\RTLthanks\relax
16208 \global\let\maketitle\relax
16209 \global\let\@maketitle\relax
16210 \global\let\@thanks\@empty
16211 \global\let\@author\@empty
16212 \global\let\@date\@empty
16213 \global\let\@title\@empty
16214 \global\let\title\relax
16215 \global\let\author\relax
16216 \global\let\date\relax
16217 \global\let\and\relax
16218 }
16219 \def\@maketitle{%
16220 \newpage
16221 \null
16222 \vskip 2em%
16223 \begin{center}%
16224 \let \footnote \thanks
16225 \let \LTRfootnote \LTRthanks
16226 \let \RTLfootnote \RTLthanks
16227 {\LARGE \@title \par}%
16228 \vskip 1.5em%
16229 {\large
16230 \lineskip .5em%
16231 \begin{tabular}[t]{c}%
16232 \@author
16233 \end{tabular}\par}%
16234 \vskip 1em%
16235 {\large \@date}%
16236 \end{center}%
16237 \par
16238 \vskip 1.5em}
16239 \fi
16240 \renewcommand*\l@part[2]{%
16241 \ifnum \c@tocdepth >-2\relax
16242 \addpenalty{-\@highpenalty}%
16243 \addvspace{2.25em \@plus\p}%
16244 \setlength\@tempdima{3em}%
16245 \begingroup
16246 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
16247 \parfillskip -\@pnumwidth
16248 {\leavevmode
16249 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16250 \nobreak

```



```

16251         \global\@nbreaktrue
16252         \everypar{\global\@nbreakfalse\everypar{}}%
16253     \endgroup
16254 \fi}
16255 \renewcommand*\l@chapter[2]{%
16256     \ifnum \c@tocdepth >\m@ne
16257         \addpenalty{-\@highpenalty}%
16258         \vskip 1.0em \@plus\p@
16259         \setlength\@tempdima{1.5em}%
16260         \begingroup
16261             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16262             \parfillskip -\@pnumwidth
16263             \leavevmode \bfseries
16264             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16265             \hskip -\if@RTL\rightskip\else\leftskip\fi
16266             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16267             \penalty\@highpenalty
16268         \endgroup
16269 \fi}
16270 \renewcommand\left@footnoterule{%
16271     \kern-3\p@
16272     \hrule\@width.4\columnwidth
16273     \kern2.6\p@}
16274 \renewcommand\right@footnoterule{%
16275     \kern-3\p@
16276     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16277     \kern2.6\p@}
16278 \renewcommand\theequation
16279     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16280 \renewcommand \thefigure
16281     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16282 \renewcommand \thetable
16283     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16284 \renewcommand \thechapter {\@arabic\c@chapter}
16285 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16286 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16287 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16288 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
16289 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
16290 \def\@makechapterhead#1{%
16291     \vspace*{50\p@}%
16292     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16293         \ifnum \c@secnumdepth >\m@ne
16294             \huge\bfseries \@chapapp\space \thechapter
16295             \par\nobreak
16296             \vskip 20\p@
16297         \fi
16298         \interlinepenalty\@M
16299         \Huge \bfseries #1\par\nobreak
16300         \vskip 40\p@

```




```

16301 }}
16302 \def\@makeschapterhead#1{%
16303   \vspace*{50\p@}%
16304   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16305     \normalfont
16306     \interlinepenalty\@M
16307     \Huge \bfseries #1\par\nobreak
16308     \vskip 40\p@
16309   }}
16310 \renewenvironment{thebibliography}[1]
16311   {\chapter*{\bibname}%
16312     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16313     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16314     \bidi@thebibliography@font@hook%
16315     \list{\@biblabel{\@arabic\c@enumiv}}%
16316       {\settowidth\labelwidth{\@biblabel{#1}}%
16317         \leftmargin\labelwidth
16318         \advance\leftmargin\labelsep
16319         \@openbib@code
16320         \usecounter{enumiv}%
16321         \let\p@enumiv\@empty
16322         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16323     \sloppy
16324     \clubpenalty4000
16325     \@clubpenalty \clubpenalty
16326     \widowpenalty4000%
16327     \sfcode`\.\@m}
16328   {\def\@noitemerr
16329     {\@latex@warning{Empty `thebibliography' environment}}%
16330     \endlist}

```

103 File rotating-xetex-bidi.def

```

16331 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16332 \def\end@rotfloat{%
16333   \end{minipage}\end{lrbox}%
16334   \stepcounter{r@tfl@t}%
16335   \rot@label{RF\ther@tfl@t}%
16336   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16337   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16338   \rot@mess@toks\expandafter{\@tempa}
16339   \wd\rot@float@box\z@
16340   \ht\rot@float@box\z@
16341   \dp\rot@float@box\z@
16342   \vboxL to \textheight{%
16343     \setkeys{Grot}{units=360}%
16344     \if@rot@twoside
16345       \else
16346       \let\R@@page\rot@LR
16347     \fi

```



```

16348 \ifthenelse{\isodd{\R@@page}}{%
16349 \if@rot@twoside
16350 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16351 \fi
16352 \vfill
16353 \@@line{%
16354 \hskip\rotFPtop
16355 \rotatebox{90}{\box\rot@float@box}%
16356 \hskip\rotFPbot
16357 }%
16358 }{%
16359 \if@rot@twoside
16360 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16361 \fi
16362 \@@line{%
16363 \hskip\rotFPbot
16364 \rotatebox{-90}{\box\rot@float@box}%
16365 \hskip\rotFPtop
16366 }%
16367 \vfill
16368 }%
16369 \rot@message{\the\rot@mess@toks}
16370 }%
16371 \end@float
16372 }
16373 \let\endsidewaysfigure\end@rotfloat
16374 \let\endsidewaysstable\end@rotfloat
16375 \def\end@rotdblfloat{%
16376 \end{minipage}\end{lrbox}%
16377 \stepcounter{r@tfl@t}%
16378 \rot@label{RF\ther@tfl@t}%
16379 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16380 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16381 \rot@mess@toks\expandafter{\@tempa}
16382 \@tempdima\ht\rot@float@box
16383 \advance\@tempdima by \dp\rot@float@box
16384 \wd\rot@float@box\z@
16385 \ht\rot@float@box\z@
16386 \dp\rot@float@box\z@
16387 \vboxL to \textheight{%
16388 \setkeys{Grot}{units=360}%
16389 \if@rot@twoside
16390 \else
16391 \let\R@@page\rot@LR
16392 \fi
16393 \ifthenelse{\isodd{\R@@page}}{%
16394 \ifrot@messages
16395 \if@rot@twoside
16396 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16397 \fi

```



```

16398     \fi
16399     \vfill
16400     \@@line{%
16401         \hskip\rotFPtop
16402         \rotatebox{90}{\box\rot@float@box}%
16403         \hskip\rotFPbot
16404     }%
16405 }{%
16406     \ifrot@messages
16407     \ifrot@twoside
16408     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16409 \fi
16410     \fi%
16411     \@@line{%
16412         \hskip\rotFPbot
16413         \rotatebox{-90}{\box\rot@float@box}%
16414         \hskip\rotFPtop
16415     }%
16416     \vfill
16417 }%
16418 \rot@message{\the\rot@mess@toks}%
16419 }%
16420 \end@dblfloat
16421 }
16422 \def\turn#1{%
16423     \Grot@setangle{#1}%
16424     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16425 \def\endturn{%
16426     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16427     \unskip\color@endbox
16428     \Grot@x\z@
16429     \Grot@y\z@
16430     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16431 }
16432 \def\rotate#1{%
16433     \Grot@setangle{#1}%
16434     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16435 \def\endrotate{%
16436     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16437     \unskip\color@endbox
16438     \Grot@x\z@
16439     \Grot@y\z@
16440     \wd0\z@\dp0\z@\ht0\z@
16441     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16442 }
16443 \def\turnbox#1#2{%
16444     \Grot@setangle{#1}%
16445     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16446     \Grot@x\z@\Grot@y\z@
16447     \wd0\z@\dp0\z@\ht0\z@

```



```

16448 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16449 }
16450 \def\sideways{%
16451 \Grot@setangle{90}%
16452 \setbox\z@<color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16453 \def\endsideways{%
16454 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16455 \unskip\color@endbox
16456 \Grot@x\z@
16457 \Grot@y\z@
16458 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16459 }

```

104 File scrartcl-xetex-bidi.def

```

16460 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16461 \newcommand{\scr@sav@LTRfootnotetext}{}
16462 \newcommand{\scr@sav@RTLfootnotetext}{}
16463 \let\scr@sav@footnotetext\@footnotetext
16464 \let\scr@sav@LTRfootnotetext\@LTRfootnotetext
16465 \let\scr@sav@RTLfootnotetext\@RTLfootnotetext
16466 \renewcommand{\@footnotetext}[1]{%
16467 \scr@sav@footnotetext{#1}%
16468 \csname FN@mfp@prepare\endcsname
16469 }
16470 \renewcommand{\@LTRfootnotetext}[1]{%
16471 \scr@sav@LTRfootnotetext{#1}%
16472 \csname FN@mfp@prepare\endcsname
16473 }
16474 \renewcommand{\@RTLfootnotetext}[1]{%
16475 \scr@sav@RTLfootnotetext{#1}%
16476 \csname FN@mfp@prepare\endcsname
16477 }
16478 \renewcommand\deffootnote[4][1]{%
16479 \long\def\@makefn#1{%
16480 \setlength{\@tempdimc}{#3}%
16481 \def\@tempa{#1}\ifx\@tempa\@empty
16482 \setpar{\@par
16483 \@tempdima = \hsize
16484 \addtolength{\@tempdima}{-#2}%
16485 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16486 \else
16487 \addtolength{\@tempdimc}{#2}%
16488 \addtolength{\@tempdimc}{-#1}%
16489 \setpar{\@par
16490 \@tempdima = \hsize
16491 \addtolength{\@tempdima}{-#1}%
16492 \@tempdimb = \hsize
16493 \addtolength{\@tempdimb}{-#2}%
16494 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #

```



```

16495     }%
16496   \fi
16497   \par
16498   \parindent\@tempdimc\noindent
16499   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16500 }%
16501 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
16502 }
16503 \def\footnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16504 \renewcommand*\left@footnoterule{%
16505   \normalsize\ftn@rule@test@values
16506   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16507   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16508   {\usekomafont{footnoterule}{%
16509     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16510   \kern 2.6\p@}
16511 \renewcommand*\right@footnoterule{%
16512   \normalsize\ftn@rule@test@values
16513   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16514   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16515   {\usekomafont{footnoterule}{%
16516     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16517     \kern 2.6\p@}
16518 \renewcommand*\maketitle[1][1]{%
16519   \if@titlepage
16520     \begin{titlepage}
16521       \setcounter{page}{%
16522         #1%
16523       }%
16524       \let\footnotesize\small
16525       \let\right@footnoterule\relax
16526       \let\left@footnoterule\relax
16527       \let\textwidth@footnoterule\relax
16528       \let\footnote\thanks
16529       \let\LTRfootnote\LTRthanks
16530       \let\RTLfootnote\RTLthanks
16531       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16532       \let\@oldmakefnmark\@makefnmark
16533       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16534       \ifx\@extratitle\@empty \else
16535         \noindent\@extratitle\next@tpage\cleardoubleemptypage
16536         \thispagestyle{empty}%
16537       \fi
16538       \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
16539       \ifx\@titlehead\@empty \else
16540         \begin{minipage}[t]{\textwidth}%
16541           \@titlehead
16542         \end{minipage}\par
16543       \fi
16544       \null\vfill

```



```

16545 \begin{center}
16546 \ifx\@subject\@empty \else
16547 {\subject@font \@subject \par}%
16548 \vskip 3em
16549 \fi
16550 {\titlefont\huge \@title\par}%
16551 \vskip 1em
16552 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16553 \vskip 2em
16554 {\Large \lineskip 0.75em
16555 \begin{tabular}[t]{c}
16556 \@author
16557 \end{tabular}\par
16558 }%
16559 \vskip 1.5em
16560 {\Large \@date \par}%
16561 \vskip \z@ \@plus3fill
16562 {\Large \@publishers \par}%
16563 \vskip 3em
16564 \end{center}\par
16565 \@thanks
16566 \vfill\null
16567 \if@twoside\next@tpage
16568 \begin{minipage}[t]{\textwidth}
16569 \@uppertitleback
16570 \end{minipage}\par
16571 \vfill
16572 \begin{minipage}[b]{\textwidth}
16573 \@lowertitleback
16574 \end{minipage}
16575 \fi
16576 \ifx\@dedication\@empty \else
16577 \next@tpage\null\vfill
16578 {\centering \Large \@dedication \par}%
16579 \vskip \z@ \@plus3fill
16580 \if@twoside \next@tpage\cleardoubleemptypage \fi
16581 \fi
16582 \end{titlepage}
16583 \else
16584 \par
16585 \@tempcnta=%
16586 #1%
16587 \relax\ifnum\@tempcnta=1\else
16588 \ClassWarning{\KOMAClassName}{%
16589 Optional argument of \string\maketitle\space ignored
16590 at\MessageBreak
16591 notitlepage-mode%
16592 }%
16593 \fi
16594 \begingroup

```



```

16595 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16596 \let\@oldmakefnmark\@makefnmark
16597 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16598 \if@twocolumn
16599 \ifnum \col@number=\@ne
16600 \maketitle
16601 \else
16602 \twocolumn[\maketitle]%
16603 \fi
16604 \else
16605 \newpage
16606 \global\@topnum\z@
16607 \maketitle
16608 \fi
16609 \thispagestyle{\titlepagestyle}\@thanks
16610 \endgroup
16611 \fi
16612 \setcounter{footnote}{0}%
16613 \let\thanks\relax
16614 \let\LTRthanks\relax
16615 \let\RTLthanks\relax
16616 \let\maketitle\relax
16617 \let\@maketitle\relax
16618 \global\let\@thanks\@empty
16619 \global\let\@author\@empty
16620 \global\let\@date\@empty
16621 \global\let\@title\@empty
16622 \global\let\@subtitle\@empty
16623 \global\let\@extratitle\@empty
16624 \global\let\@titlehead\@empty
16625 \global\let\@subject\@empty
16626 \global\let\@publishers\@empty
16627 \global\let\@uppertitleback\@empty
16628 \global\let\@lowertitleback\@empty
16629 \global\let\@dedication\@empty
16630 \global\let\author\relax
16631 \global\let\title\relax
16632 \global\let\extratitle\relax
16633 \global\let\titlehead\relax
16634 \global\let\subject\relax
16635 \global\let\publishers\relax
16636 \global\let\uppertitleback\relax
16637 \global\let\lowertitleback\relax
16638 \global\let\dedication\relax
16639 \global\let\date\relax
16640 \global\let\and\relax
16641 }%
16642 \renewcommand*{\@maketitle}{%
16643 \clearpage
16644 \let\footnote\thanks

```



```

16645 \let\LTRfootnote\LTRthanks
16646 \let\RTLfootnote\RTLthanks
16647 \ifx\@extratitle\@empty \else
16648   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16649 \fi
16650 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
16651 \ifx\@titlehead\@empty \else
16652   \begin{minipage}[t]{\textwidth}
16653     \@titlehead
16654   \end{minipage}\par
16655 \fi
16656 \null
16657 \vskip 2em%
16658 \begin{center}%
16659   \ifx\@subject\@empty \else
16660     {\subject@font \@subject \par}
16661     \vskip 1.5em
16662   \fi
16663   {\titlefont\huge \@title \par}%
16664   \vskip .5em
16665   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16666   \vskip 1em
16667   {\Large
16668     \lineskip .5em%
16669     \begin{tabular}[t]{c}
16670       \@author
16671     \end{tabular}\par
16672   }%
16673   \vskip 1em%
16674   {\Large \@date \par}%
16675   \vskip \z@ \@plus 1em
16676   {\Large \@publishers \par}
16677   \ifx\@dedication\@empty \else
16678     \vskip 2em
16679     {\Large \@dedication \par}
16680   \fi
16681 \end{center}%
16682 \par
16683 \vskip 2em
16684 }%
16685 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16686 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16687 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16688 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
16689 \renewcommand*\thesubsubsection{\%
16690   \thesubsection\@SepMark\@arabic\c@subsubsection
16691 }
16692 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16693 \renewcommand*\thesubparagraph{\%
16694   \theparagraph\@SepMark\@arabic\c@subparagraph

```




```

16695 }
16696 \renewenvironment{thebibliography}[1]{%
16697   \if@bib@break@
16698     \bib@beginhook
16699   \else
16700     \bib@heading
16701     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16702       \noindent\bibpreamble\par\nobreak
16703     \fi\fi
16704     \bib@beginhook
16705     \bib@before@hook
16706   \fi
16707 \renewcommand{\BreakBibliography}[1]{%
16708   \@bib@break
16709   \end{thebibliography}%
16710   \begingroup ##1\endgroup
16711   \begin{thebibliography}{#1}
16712 }%
16713 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16714 \bidi@thebibliography@font@hook%
16715 \list{%
16716   \@biblabel{\@arabic\c@enumiv}%
16717 }{%
16718   \settowidth\labelwidth{\@biblabel{#1}}%
16719   \leftmargin\labelwidth
16720   \advance\leftmargin\labelsep
16721   \@openbib@code
16722   \if@bib@break@
16723     \edef\@tempa{%
16724       \noexpand\usecounter{enumiv}%
16725       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16726     }\@tempa
16727     \no@bib@break
16728   \else
16729     \usecounter{enumiv}%
16730   \fi
16731   \let\p@enumiv\@empty
16732   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16733 }%
16734 \sloppy\clubpenalty4000 \widowpenalty4000
16735 \sfcode`\.=\@m
16736 }{%
16737   \if@bib@break@
16738     \def\@noitemerr{%
16739       \@latex@warning{%
16740         \string\BreakBibliography\space at begin of `thebibliography'
16741         environment\MessageBreak
16742         or following \string\BreakBibliography}%
16743     }%
16744   \else

```



```

16745 \def\@noitemerr{%
16746 \latex@warning{%
16747 Empty `thebibliography' environment or
16748 \string\BreakBibliography\MessageBreak
16749 before end of `thebibliography' environment}%
16750 }%
16751 \fi
16752 \endlist
16753 \if@bib@break@
16754 \else
16755 \bib@after@hook
16756 \let\bib@before@hook\@empty
16757 \let\bib@after@hook\@empty
16758 \fi
16759 \bib@endhook
16760 }
16761 \renewcommand*\left@footnoterule{%
16762 \kern-3\p@
16763 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16764 \hrule\@width.4\columnwidth
16765 \kern 2.6\p@}
16766 \renewcommand*\right@footnoterule{%
16767 \kern-3\p@
16768 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16769 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16770 \kern2.6\p@}
16771 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16772 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16773 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16774 \renewcommand\marginline[1]{%
16775 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16776 }
16777 \renewcommand{\@makecaption}[3]{%
16778 \cap@margin
16779 \ifonelinecaptions
16780 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16781 \let\scr@tmp@footnotetext=\@footnotetext
16782 \let\@footnotetext=\@gobble
16783 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16784 \let\@LTRfootnotetext=\@gobble
16785 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16786 \let\@RTLfootnotetext=\@gobble
16787 \sbox\@tempboxa{%
16788 {\capfont{\strut\ignorespaces
16789 #1{\caplabelfont{#2\captionformat}}}%
16790 #3\unskip\strut}}%
16791 }%
16792 \let\@footnotetext=\scr@tmp@footnotetext
16793 \let\scr@tmp@footnotetext=\undefined
16794 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext

```



```

16795 \let\scr@tmp@LTRfootnotetext=\undefined
16796 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16797 \let\scr@tmp@RTLfootnotetext=\undefined
16798 \setcounter{footnote}{\@tempcntb}%
16799 \setcounter{mpfootnote}{\@tempcnta}%
16800 \else
16801 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16802 \fi
16803 \beginingroup%
16804 \setlength{\@tempdima}{\cap@width}%
16805 \ifdim \wd\@tempboxa >\@tempdima
16806 \hb@xt@\hsize{%
16807 \setbox\@tempboxa\vbox{\hsize=\cap@width
16808 \ifdoofullc@p
16809 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16810 #1{\caplabelfont{#2\captionformat}}}}}%
16811 {#3\unskip\strut\par}}}%
16812 \else%
16813 \ifdim\cap@indent<\z@
16814 {\capfont{\strut\ignorespaces
16815 #1{\caplabelfont{#2\captionformat\par}}}%
16816 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}}%
16817 \else%
16818 \if@capbreak
16819 {\capfont{\strut\ignorespaces
16820 #1{\caplabelfont{#2\captionformat\par}}}%
16821 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16822 \else
16823 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16824 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16825 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16826 \fi
16827 \fi
16828 \fi
16829 }%
16830 \setlength{\@tempdima}{\ht\@tempboxa}%
16831 \addtolength{\@tempdima}{\dp\@tempboxa}%
16832 \addtolength{\@tempdima}{-\ht\strutbox}%
16833 \ht\@tempboxa\ht\strutbox
16834 \dp\@tempboxa\@tempdima
16835 \strut\cap@left
16836 \box\@tempboxa
16837 \cap@right\strut
16838 }%
16839 \else
16840 \global \@minipagefalse
16841 \sbox\@tempboxa{%
16842 {\capfont{\scr@smashdp{\strut\ignorespaces
16843 #1{\caplabelfont{#2\captionformat}}}}}%
16844 #3}%

```



```

16845     }%
16846     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\ca
16847     \fi
16848     \endgroup
16849 }
16850 \renewcommand{\@makecaption}[2]{%
16851   \if@captionabove
16852     \vskip\belowcaptionskip
16853   \else
16854     \vskip\abovecaptionskip
16855   \fi
16856   @@makecaption\@firstofone{#1}{#2}%
16857   \if@captionabove
16858     \vskip\abovecaptionskip
16859   \else
16860     \vskip\belowcaptionskip
16861   \fi
16862 }
16863 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16864   \@ifpackageloaded{caption2}{\@komalongtablefalse
16865     \scr@caption@before@longtable@warning{caption2}%
16866   }{}%
16867   \if@komalongtable
16868     \renewcommand{\LT@makecaption}[3]{%
16869       \noalign{%
16870         \if@captionabove
16871           \vskip\belowcaptionskip
16872         \else
16873           \vskip\abovecaptionskip
16874         \fi
16875       }%
16876       \LT@mcol\LT@cols c{%
16877         \hbox to\z@{\hss\parbox[t]{\linewidth{%
16878           \@makecaption{#1}{#2}{#3}%
16879         \endgraf
16880         \if@captionabove
16881           \vskip\abovecaptionskip
16882         \else
16883           \vskip\belowcaptionskip
16884         \fi
16885       }%
16886       \hss
16887     }%
16888   }%
16889 }%
16890 \renewcommand*{\scr@LT@array}{}%
16891 \let\scr@LT@array=\LT@array
16892 \renewcommand*{\LT@array}{%
16893   \let\scr@caption=\LT@caption
16894   \def\captionabove{\noalign{\global\@captionabovetrue}%

```



```

16895         \scr@caption}%
16896     \def\captionbelow{\noalign{\global\@captionabovefalse}%
16897         \scr@caption}%
16898     \if@tablecaptionabove
16899         \let\LT@caption=\captionabove
16900     \else
16901         \let\LT@caption=\captionbelow
16902     \fi
16903     \scr@LT@array
16904 }%
16905 \ClassInfo{\KOMAClassName}{%
16906     longtable captions redefined%
16907 }%
16908 \fi
16909 }
16910
16911 \CloneTOCEntryStyle{tocline}{part}
16912 \TOCEntryStyleStartInitCode{part}{%
16913     \expandafter\renewcommand%
16914     \csname scr@tso@#1@linefill\endcsname{\hfill}%
16915     \expandafter\renewcommand%
16916     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16917     \expandafter\renewcommand%
16918     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16919         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16920     \expandafter\renewcommand\expandafter*%
16921     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
16922 }
16923
16924 \CloneTOCEntryStyle{tocline}{section}
16925 \TOCEntryStyleStartInitCode{section}{%
16926     \expandafter\renewcommand%
16927     \csname scr@tso@#1@linefill\endcsname{%
16928         \if@sectionentrywithdots
16929             \TOCLineLeaderFill\relax
16930         \else
16931             \hfill
16932         \fi
16933     }%
16934     % F^fcr die Eintr^e4ge die Schrift von Element sectionentry verwenden.
16935     \expandafter\renewcommand%
16936     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16937     \expandafter\renewcommand%
16938     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{sectionentrypagenumber}{##1}}}%
16939     \expandafter\renewcommand\expandafter*%
16940     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
16941 }
16942
16943 \CloneTOCEntryStyle{tocline}{subsection}
16944 \TOCEntryStyleStartInitCode{subsection}{%

```



```

16945 \expandafter\renewcommand%
16946 \csname scr@tso@#1@linefill\endcsname{\TOCLLineLeaderFill\relax}%
16947 }
16948
16949 \CloneTOCEntryStyle{subsection}{default}
16950
16951 \DeclareSectionCommand[%
16952   style=part,%
16953   level=\z@,%
16954   tocstyle=part,%
16955   toplevel=\m@ne,%
16956   tocindent=\z@,%
16957   tocnumwidth=2em%
16958 ]{part}
16959 \DeclareSectionCommand[%
16960   style=section,%
16961   level=1,%
16962   indent=\z@,%
16963   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
16964   afterskip=2.3ex \@plus .2ex,%
16965   tocstyle=section,%
16966   tocindent=0pt,%
16967   tocnumwidth=1.5em%
16968 ]{section}
16969 \DeclareSectionCommand[%
16970   style=section,%
16971   level=2,%
16972   indent=\z@,%
16973   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
16974   afterskip=1.5ex \@plus .2ex,%
16975   tocstyle=subsection,%
16976   tocindent=1.5em,%
16977   tocnumwidth=2.3em%
16978 ]{subsection}
16979 \DeclareSectionCommand[%
16980   style=section,%
16981   level=3,%
16982   indent=\z@,%
16983   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
16984   afterskip=1.5ex \@plus .2ex,%
16985   tocstyle=subsection,%
16986   tocindent=3.8em,%
16987   tocnumwidth=3.2em%
16988 ]{subsubsection}
16989 \DeclareSectionCommand[%
16990   style=section,%
16991   level=4,%
16992   indent=\z@,%
16993   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
16994   afterskip=-1em,%

```



```

16995   tocstyle=subsection,%
16996   tocindent=7.0em,%
16997   tocnumwidth=4.1em%
16998 }{paragraph}
16999 \DeclareSectionCommand[%
17000   style=section,%
17001   level=5,%
17002   indent=\scr@parindent,%
17003   beforekip=3.25ex \@plus1ex \@minus .2ex,%
17004   afterskip=-1em,%
17005   tocstyle=subsection,%
17006   tocindent=10em,%
17007   tocnumwidth=5em%
17008 ]{subparagraph}

```

105 File scrbook-xetex-bidi.def

```

17009 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for L
17010 \newcommand{\scr@saved@LTRfootnotetext}{}
17011 \newcommand{\scr@saved@RTLfootnotetext}{}
17012 \let\scr@saved@footnotetext\@footnotetext
17013 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17014 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17015 \renewcommand{\@footnotetext}[1]{%
17016   \scr@saved@footnotetext{#1}%
17017   \csname FN@mfb@prepare\endcsname
17018 }
17019 \renewcommand{\@LTRfootnotetext}[1]{%
17020   \scr@saved@LTRfootnotetext{#1}%
17021   \csname FN@mfb@prepare\endcsname
17022 }
17023 \renewcommand{\@RTLfootnotetext}[1]{%
17024   \scr@saved@RTLfootnotetext{#1}%
17025   \csname FN@mfb@prepare\endcsname
17026 }
17027 \renewcommand\deffootnote[4][1]{%
17028   \long\def\@makefnmark##1{%
17029     \setlength{\@tempdimc}{#3}%
17030     \def\@tempa{#1}\ifx\@tempa\@empty
17031       \setpar{\@par
17032         \@tempdima = \hsize
17033         \addtolength{\@tempdima}{-#2}%
17034         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17035     \else
17036       \addtolength{\@tempdimc}{#2}%
17037       \addtolength{\@tempdimc}{-#1}%
17038       \setpar{\@par
17039         \@tempdima = \hsize
17040         \addtolength{\@tempdima}{-#1}%
17041         \@tempdimb = \hsize

```



```

17042      \addtolength{\@tempdimb}{-#2}%
17043      \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17044      }%
17045      \fi
17046      \par
17047      \parindent\@tempdimc\noindent
17048      \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17049  }%
17050  \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17051 }
17052 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17053 \renewcommand*\left@footnoterule{%
17054   \normalsize\ftn@rule@test@values
17055   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17056   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17057   {\usekomafont{footnoterule}{%
17058     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17059   \kern 2.6\p@}
17060 \renewcommand*\right@footnoterule{%
17061   \normalsize\ftn@rule@test@values
17062   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17063   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17064   {\usekomafont{footnoterule}{%
17065     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17066     \kern 2.6\p@}
17067 \renewcommand*\maketitle[1][1]{%
17068   \if@titlepage
17069     \begin{titlepage}
17070       \setcounter{page}{%
17071         #1%
17072       }%
17073       \let\footnotesize\small
17074       \let\right@footnoterule\relax
17075       \let\left@footnoterule\relax
17076       \let\textwidth@footnoterule\relax
17077       \let\footnote\thanks
17078       \let\LTRfootnote\LTRthanks
17079       \let\RTLfootnote\RTLthanks
17080       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17081       \let\@oldmakefnmark\@makefnmark
17082       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17083       \ifx\@extratitle\@empty \else
17084         \noindent\@extratitle\next@tpage\cleardoubleemptypage
17085         \thispagestyle{empty}%
17086       \fi
17087       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17088       \ifx\@titlehead\@empty \else
17089         \begin{minipage}[t]{\textwidth}%
17090           \@titlehead
17091           \end{minipage}\par

```




```

17092 \fi
17093 \null\vfill
17094 \begin{center}
17095 \ifx\@subject\@empty \else
17096   {\subject@font \@subject \par}%
17097   \vskip 3em
17098 \fi
17099 {\titlefont\huge \@title\par}%
17100 \vskip 1em
17101 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17102 \vskip 2em
17103 {\Large \lineskip 0.75em
17104   \begin{tabular}[t]{c}
17105     \@author
17106   \end{tabular}\par
17107   }%
17108 \vskip 1.5em
17109 {\Large \@date \par}%
17110 \vskip \z@ \@plus3fill
17111 {\Large \@publishers \par}%
17112 \vskip 3em
17113 \end{center}\par
17114 \@thanks
17115 \vfill\null
17116 \if@twoside\next@tpage
17117   \begin{minipage}[t]{\textwidth}
17118     \@uppertitleback
17119   \end{minipage}\par
17120 \vfill
17121 \begin{minipage}[b]{\textwidth}
17122   \@lowertitleback
17123 \end{minipage}
17124 \fi
17125 \ifx\@dedication\@empty \else
17126   \next@tpage\null\vfill
17127   {\centering \Large \@dedication \par}%
17128   \vskip \z@ \@plus3fill
17129   \if@twoside \next@tpage\cleardoubleemptypage \fi
17130 \fi
17131 \end{titlepage}
17132 \else
17133 \par
17134 \@tempcnta=
17135 #1%
17136 \relax\ifnum\@tempcnta=1\else
17137 \ClassWarning{\KOMAClassName}{%
17138   Optional argument of \string\maketitle\space ignored
17139   at\MessageBreak
17140   notitlepage-mode%
17141 }%

```



```

17142 \fi
17143 \begingroup
17144 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17145 \let\@oldmakefnmark\@makefnmark
17146 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17147 \if@twocolumn
17148 \ifnum \col@number=\@one
17149 \maketitle
17150 \else
17151 \twocolumn[\maketitle]%
17152 \fi
17153 \else
17154 \newpage
17155 \global\@topnum\z@
17156 \maketitle
17157 \fi
17158 \thispagestyle{\titlepagestyle}\@thanks
17159 \endgroup
17160 \fi
17161 \setcounter{footnote}{0}%
17162 \let\thanks\relax
17163 \let\LTRthanks\relax
17164 \let\RTLthanks\relax
17165 \let\maketitle\relax
17166 \let\@maketitle\relax
17167 \global\let\@thanks\@empty
17168 \global\let\@author\@empty
17169 \global\let\@date\@empty
17170 \global\let\@title\@empty
17171 \global\let\@subtitle\@empty
17172 \global\let\@extratitle\@empty
17173 \global\let\@titlehead\@empty
17174 \global\let\@subject\@empty
17175 \global\let\@publishers\@empty
17176 \global\let\@uppertitleback\@empty
17177 \global\let\@lowertitleback\@empty
17178 \global\let\@dedication\@empty
17179 \global\let\author\relax
17180 \global\let\title\relax
17181 \global\let\extratitle\relax
17182 \global\let\titlehead\relax
17183 \global\let\subject\relax
17184 \global\let\publishers\relax
17185 \global\let\uppertitleback\relax
17186 \global\let\lowertitleback\relax
17187 \global\let\dedication\relax
17188 \global\let\date\relax
17189 \global\let\and\relax
17190 }%
17191 \renewcommand*{\@maketitle}{%

```



```

17192 \clearpage
17193 \let\footnote\thanks
17194 \let\LTRfootnote\LTRthanks
17195 \let\RTLfootnote\RTLthanks
17196 \ifx\@extratitle\@empty \else
17197   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17198 \fi
17199 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17200 \ifx\@titlehead\@empty \else
17201   \begin{minipage}[t]{\textwidth}
17202     \@titlehead
17203   \end{minipage}\par
17204 \fi
17205 \null
17206 \vskip 2em%
17207 \begin{center}%
17208   \ifx\@subject\@empty \else
17209     {\subject@font \@subject \par}
17210     \vskip 1.5em
17211   \fi
17212   {\titlefont\huge \@title \par}%
17213   \vskip .5em
17214   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17215   \vskip 1em
17216   {\Large
17217     \lineskip .5em%
17218     \begin{tabular}[t]{c}
17219       \@author
17220     \end{tabular}\par
17221   }%
17222   \vskip 1em%
17223   {\Large \@date \par}%
17224   \vskip \z@ \@plus 1em
17225   {\Large \@publishers \par}
17226   \ifx\@dedication\@empty \else
17227     \vskip 2em
17228     {\Large \@dedication \par}
17229   \fi
17230 \end{center}%
17231 \par
17232 \vskip 2em
17233 }%
17234 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17235 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17236 \renewcommand*\thesection{%
17237   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17238   \if@mainmatter\thechapter\@SepMark\fi
17239   \else
17240     \thechapter\@SepMark%
17241   \fi

```



```

17242 \@arabic\c@section
17243 }
17244 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17245 \renewcommand*{\thesubsubsection}{%
17246   \thesubsection\@SepMark\@arabic\c@subsubsection
17247 }
17248 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17249 \renewcommand*{\thesubparagraph}{%
17250   \theparagraph\@SepMark\@arabic\c@subparagraph
17251 }
17252 \renewcommand*\thefigure{%
17253   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17254     \if@mainmatter\thechapter\@SepMark\fi
17255   \else
17256     \thechapter\@SepMark%
17257   \fi
17258   \@arabic\c@figure
17259 }
17260 \renewcommand*\thetable{%
17261   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17262     \if@mainmatter\thechapter\@SepMark\fi
17263   \else
17264     \thechapter\@SepMark%
17265   \fi
17266   \@arabic\c@table
17267 }
17268 \renewcommand*\theequation{%
17269   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17270     \if@mainmatter\thechapter\@SepMark\fi
17271   \else
17272     \thechapter\@SepMark%
17273   \fi
17274   \@arabic\c@equation
17275 }
17276 \renewenvironment{thebibliography}[1]{%
17277   \if@bib@break@
17278     \bib@beginhook
17279   \else
17280     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17281       \setchapterpreamble{\bibpreamble}%
17282     \fi\fi
17283     \bib@heading
17284     \bib@beginhook
17285     \bib@before@hook
17286   \fi
17287   \renewcommand{\BreakBibliography}[1]{%
17288     \@bib@break
17289     \end{thebibliography}%
17290     \begingroup ##1\endgroup
17291     \begin{thebibliography}{#1}

```



```

17292 }%
17293 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17294 \bidi@thebibliography@font@hook%
17295 \list{%
17296   \@biblabel{\@arabic\c@enumiv}%
17297 }{%
17298   \settowidth\labelwidth{\@biblabel{#1}}%
17299   \leftmargin\labelwidth
17300   \advance\leftmargin\labelsep
17301   \@openbib@code
17302   \if@bib@break@
17303     \edef\@tempa{%
17304       \noexpand\usecounter{enumiv}%
17305       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17306     }\@tempa
17307     \no@bib@break
17308   \else
17309     \usecounter{enumiv}%
17310   \fi
17311   \let\p@enumiv\@empty
17312   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17313 }%
17314 \sloppy\clubpenalty4000 \widowpenalty4000
17315 \sfcode`\.=\@m
17316 }{%
17317   \if@bib@break@
17318     \def\@noitemerr{%
17319       \@latex@warning{%
17320         \string\BreakBibliography\space at begin of `thebibliography'
17321         environment\MessageBreak
17322         or following \string\BreakBibliography}%
17323     }%
17324   \else
17325     \def\@noitemerr{%
17326       \@latex@warning{%
17327         Empty `thebibliography' environment or
17328         \string\BreakBibliography\MessageBreak
17329         before end of `thebibliography' environment}%
17330     }%
17331   \fi
17332 \endlist
17333 \if@bib@break@
17334 \else
17335   \bib@after@hook
17336   \let\bib@before@hook\@empty
17337   \let\bib@after@hook\@empty
17338 \fi
17339 \bib@endhook
17340 }
17341 \renewcommand*\left@footnoterule{%

```



```

17342 \kern-3\p@
17343 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17344 \hrule\@width.4\columnwidth
17345 \kern 2.6\p@}
17346 \renewcommand*\right@footnoterule{%
17347 \kern-3\p@
17348 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17349 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17350 \kern2.6\p@}
17351 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
17352 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
17353 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
17354 \renewcommand\marginline[1]{%
17355 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17356 }
17357 \renewcommand{\@makecaption}[3]{%
17358 \cap@margin
17359 \ifonelinecaptions
17360 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17361 \let\scr@tmp@footnotetext=\@footnotetext
17362 \let\@footnotetext=\@gobble
17363 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17364 \let\@LTRfootnotetext=\@gobble
17365 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17366 \let\@RTLfootnotetext=\@gobble
17367 \sbox\@tempboxa{%
17368 {\capfont{\strut\ignorespaces
17369 #1{\caplabelfont{#2\captionformat}}}%
17370 #3\unskip\strut}}%
17371 }%
17372 \let\@footnotetext=\scr@tmp@footnotetext
17373 \let\scr@tmp@footnotetext=\undefined
17374 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17375 \let\scr@tmp@LTRfootnotetext=\undefined
17376 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17377 \let\scr@tmp@RTLfootnotetext=\undefined
17378 \setcounter{footnote}{\@tempcntb}%
17379 \setcounter{mpfootnote}{\@tempcnta}%
17380 \else
17381 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17382 \fi
17383 \begingroup%
17384 \setlength{\@tempdima}{\cap@width}%
17385 \ifdim \wd\@tempboxa >\@tempdima
17386 \hb@xt@\hsize{%
17387 \setbox\@tempboxa\vbox{\hsize=\cap@width
17388 \ifdofullc@p
17389 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17390 #1{\caplabelfont{#2\captionformat}}}}}%
17391 #3\unskip\strut\par}}}%

```



```

17392         \else%
17393         \ifdim\cap@indent<\z@
17394         {\capfont{\strut\ignorespaces
17395         #1{\caplabelfont{#2\captionformat\par}}}%
17396         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17397         \else%
17398         \if@capbreak
17399         {\capfont{\strut\ignorespaces
17400         #1{\caplabelfont{#2\captionformat\par}}}%
17401         \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17402         \else
17403         {\capfont{\hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17404         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17405         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17406         \fi
17407     \fi
17408     \fi
17409     }%
17410     \setlength{\@tempdima}{\ht\@tempboxa}%
17411     \addtolength{\@tempdima}{\dp\@tempboxa}%
17412     \addtolength{\@tempdima}{-\ht\strutbox}%
17413     \ht\@tempboxa\ht\strutbox
17414     \dp\@tempboxa\@tempdima
17415     \strut\cap@left
17416     \box\@tempboxa
17417     \cap@right\strut
17418     }%
17419     \else
17420     \global \@minipagefalse
17421     \sbox\@tempboxa{%
17422     {\capfont{\scr@smashdp{\strut\ignorespaces
17423     #1{\caplabelfont{#2\captionformat}}}}}%
17424     #3}}%
17425     }%
17426     {\capfont{\hb@xt@{\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
17427     \fi
17428     \endgroup
17429 }
17430 \renewcommand{\@makecaption}[2]{%
17431 \if@captionabove
17432 \vskip\belowcaptionskip
17433 \else
17434 \vskip\abovecaptionskip
17435 \fi
17436 @@makecaption\@firstofone{#1}{#2}%
17437 \if@captionabove
17438 \vskip\abovecaptionskip
17439 \else
17440 \vskip\belowcaptionskip
17441 \fi

```



```

17442 }
17443 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17444   \@ifpackageloaded{caption2}{\@komalongtablefalse
17445     \scr@caption@before@longtable@warning{caption2}%
17446   }{}%
17447   \if@komalongtable
17448     \renewcommand{\LT@makecaption}[3]{%
17449       \noalign{%
17450         \if@captionabove
17451           \vskip\belowcaptionskip
17452         \else
17453           \vskip\abovecaptionskip
17454         \fi
17455       }%
17456       \LT@mcol\LT@cols c{%
17457         \hbox to\z@{\hss\parbox[t]{\linewidth{%
17458           \@makecaption{#1}{#2}{#3}%
17459         \endgraf
17460         \if@captionabove
17461           \vskip\abovecaptionskip
17462         \else
17463           \vskip\belowcaptionskip
17464         \fi
17465       }%
17466       \hss
17467     }%
17468   }%
17469 }%
17470 \renewcommand*{\scr@LT@array}{}%
17471 \let\scr@LT@array=\LT@array
17472 \renewcommand*{\LT@array}{%
17473   \let\scr@caption=\LT@caption
17474   \def\captionabove{\noalign{\global\@captionabovetrue}%
17475     \scr@caption}%
17476   \def\captionbelow{\noalign{\global\@captionabovetrue}%
17477     \scr@caption}%
17478   \if@tablecaptionabove
17479     \let\LT@caption=\captionabove
17480   \else
17481     \let\LT@caption=\captionbelow
17482   \fi
17483   \scr@LT@array
17484 }%
17485 \ClassInfo{\KOMAClassName}{%
17486   longtable captions redefined%
17487 }%
17488 \fi
17489 }
17490
17491 \CloneTOCEntryStyle{tocline}{part}

```




```

17492 \TOCEntryStyleStartInitCode{part}{%
17493   \expandafter\renewcommand%
17494   \csname scr@tso@#1@linefill\endcsname{\hfill}%
17495   \expandafter\renewcommand%
17496   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17497   \expandafter\renewcommand%
17498   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17499     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17500   \expandafter\renewcommand\expandafter*%
17501   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17502 }
17503
17504 \CloneTOCEntryStyle{tocline}{chapter}
17505 \TOCEntryStyleStartInitCode{chapter}{%
17506   \expandafter\renewcommand%
17507   \csname scr@tso@#1@linefill\endcsname{%
17508     \if@chapterentrywithdots
17509       \TOCLineLeaderFill\relax
17510     \else
17511       \hfill
17512     \fi
17513   }%
17514   \expandafter\renewcommand%
17515   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17516   \expandafter\renewcommand%
17517   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17518     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17519   \expandafter\renewcommand\expandafter*%
17520   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17521 }
17522
17523 \CloneTOCEntryStyle{tocline}{section}
17524 \TOCEntryStyleStartInitCode{section}{%
17525   \expandafter\renewcommand%
17526   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17527 }
17528
17529 \CloneTOCEntryStyle{section}{default}
17530
17531 \DeclareSectionCommand[%
17532   style=part,%
17533   level=\m@ne,%
17534   pagestyle=plain,%
17535   tocstyle=part,%
17536   toplevel=\m@ne,%
17537   tocindent=\z@,%
17538   tocnumwidth=2em%
17539 ]{part}
17540 \DeclareSectionCommand[%
17541   style=chapter,%

```



```

17542 level=\z@,%
17543 pagestyle=plain,%
17544 tocstyle=chapter,%
17545 tocindent=\z@,%
17546 tocnumwidth=1.5em%
17547]{chapter}
17548\DeclareSectionCommand[%
17549 style=section,%
17550 level=1,%
17551 indent=\z@,%
17552 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17553 afterskip=2.3ex \@plus .2ex,%
17554 tocstyle=section,%
17555 tocindent=1.5em,%
17556 tocnumwidth=2.3em%
17557]{section}
17558\DeclareSectionCommand[%
17559 style=section,%
17560 level=2,%
17561 indent=\z@,%
17562 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17563 afterskip=1.5ex \@plus .2ex,%
17564 tocstyle=section,%
17565 tocindent=3.8em,%
17566 tocnumwidth=3.2em%
17567]{subsection}
17568\DeclareSectionCommand[%
17569 style=section,%
17570 level=3,%
17571 indent=\z@,%
17572 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17573 afterskip=1.5ex \@plus .2ex,%
17574 tocstyle=section,%
17575 tocindent=7.0em,%
17576 tocnumwidth=4.1em%
17577]{subsubsection}
17578\DeclareSectionCommand[%
17579 style=section,%
17580 level=4,%
17581 indent=\z@,%
17582 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17583 afterskip=-1em,%
17584 tocstyle=section,%
17585 tocindent=10em,%
17586 tocnumwidth=5em%
17587]{paragraph}
17588\DeclareSectionCommand[%
17589 style=section,%
17590 level=5,%
17591 indent=\scr@parindent,%

```



```

17592 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
17593 afterskip=-1em,%
17594 tocstyle=section,%
17595 tocindent=12em,%
17596 tocnumwidth=6em%
17597]{subparagraph}
17598
17599

```

106 File scrlettr-xetex-bidi.def

```

17600 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17601 \renewcommand\deffootnote[4][]{%
17602   \long\def\@makefnmark##1{%
17603     \edef\@tempa{#1}\ifx\@tempa\@empty
17604       \setpar{\@par
17605         \@tempdima = \hsize
17606         \addtolength{\@tempdima}{-#2}
17607         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17608       \else
17609         \setpar{\@par
17610           \@tempdima = \hsize
17611           \addtolength{\@tempdima}{-#1}
17612           \@tempdimb = \hsize
17613           \addtolength{\@tempdimb}{-#2}
17614           \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17615         \fi
17616         \par
17617         \parindent #3\noindent
17618         \hbox to \z@{\hss\@makefnmark}##1}
17619       \def\@makefnmark{\hbox{#4}}
17620 }
17621 \deffootnote[1em]{1.5em}{1em}
17622 {\textsuperscript{\thefootnotemark}}
17623 \def\left@footnoterule{\kern-1\p@
17624   \hrule width 0.4\columnwidth
17625   \kern .6\p@}
17626 \def\right@footnoterule{%
17627   \kern-1\p@
17628   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17629   \kern .6\p@}
17630 \def\@datefield{\@reffalse
17631   \ifx\varyourref\@empty \else \@reftrue \fi
17632   \ifx\varyourmail\@empty \else \@reftrue \fi
17633   \ifx\varmyref\@empty \else \@reftrue \fi
17634   \ifx\varcustomer\@empty \else \@reftrue \fi
17635   \ifx\varinvoice\@empty \else \@reftrue \fi
17636   \ifx\varrefitemi\@empty \else \@reftrue \fi
17637   \ifx\varrefitemii\@empty \else \@reftrue \fi
17638   \ifx\varrefitemiii\@empty \else \@reftrue \fi

```



```

17639 \vskip -\parskip
17640 \vskip \refvskip
17641 \if@ref
17642 \ifx\varyourref\@empty \else
17643 \settowidth{\sc@temp}{\varyourref}
17644 \setbox0\hbox{\scriptsize \sf \yourrefname}
17645 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17646 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
17647 \fi
17648 \ifx\varyourmail\@empty \else
17649 \settowidth{\sc@temp}{\varyourmail}
17650 \setbox0\hbox{\scriptsize \sf \yourmailname}
17651 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17652 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
17653 \fi
17654 \ifx\varmyref\@empty \else
17655 \settowidth{\sc@temp}{\varmyref}
17656 \setbox0\hbox{\scriptsize \sf \myrefname}
17657 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17658 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17659 \fi
17660 \ifx\varcustomer\@empty \else
17661 \settowidth{\sc@temp}{\varcustomer}
17662 \setbox0\hbox{\scriptsize \sf \customername}
17663 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17664 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17665 \fi
17666 \ifx\varinvoice\@empty \else
17667 \settowidth{\sc@temp}{\varinvoice}
17668 \setbox0\hbox{\scriptsize \sf \invoicename}
17669 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17670 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
17671 \fi
17672 \ifx\varrefitemi\@empty \else
17673 \settowidth{\sc@temp}{\varrefitemi}
17674 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17675 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17676 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
17677 \fi
17678 \ifx\varrefitemii\@empty \else
17679 \settowidth{\sc@temp}{\varrefitemii}
17680 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17681 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17682 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
17683 \fi
17684 \ifx\varrefitemiii\@empty \else
17685 \settowidth{\sc@temp}{\varrefitemiii}
17686 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17687 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17688 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill

```



```

17689 \fi
17690 \ifx\@date\@empty \else
17691 \settowidth{\sc@temp}{\@date}
17692 \setbox0\hbox{\scriptsize \sf \datename}
17693 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17694 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
17695 \fi
17696 \par
17697 \vspace{2.5\baselineskip}
17698 \else
17699 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
17700 \vspace{1.5\baselineskip}
17701 \fi}
17702 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
17703 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
17704 -\sigindent \hspace{\sigindent}%
17705 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@sk
17706 \fromsig\strut}\par
17707 \vspace{1.5\baselineskip}}

```

107 File scrreprt-xetex-bidi.def

```

17708 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
17709 \newcommand{\scr@saved@LTRfootnotetext}{}
17710 \newcommand{\scr@saved@RTLfootnotetext}{}
17711 \let\scr@saved@footnotetext\@footnotetext
17712 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17713 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17714 \renewcommand{\@footnotetext}[1]{%
17715 \scr@saved@footnotetext{#1}%
17716 \csname FN@mf@prepare\endcsname
17717 }
17718 \renewcommand{\@LTRfootnotetext}[1]{%
17719 \scr@saved@LTRfootnotetext{#1}%
17720 \csname FN@mf@prepare\endcsname
17721 }
17722 \renewcommand{\@RTLfootnotetext}[1]{%
17723 \scr@saved@RTLfootnotetext{#1}%
17724 \csname FN@mf@prepare\endcsname
17725 }
17726 \renewcommand\deffootnote[4][1]{%
17727 \long\def\@makefntext##1{%
17728 \setlength{\@tempdimc}{#3}%
17729 \def\@tempa{#1}\ifx\@tempa\@empty
17730 \setpar{\@par
17731 \@tempdima = \hsize
17732 \addtolength{\@tempdima}{-#2}%
17733 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17734 \else
17735 \addtolength{\@tempdimc}{#2}%

```



```

17736 \addtolength{\@tempdimc}{-#1}%
17737 \@setpar{\@par
17738 \@tempdima = \hsize
17739 \addtolength{\@tempdima}{-#1}%
17740 \@tempdimb = \hsize
17741 \addtolength{\@tempdimb}{-#2}%
17742 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17743 }%
17744 \fi
17745 \par
17746 \parindent\@tempdimc\noindent
17747 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17748 }%
17749 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17750 }
17751 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17752 \renewcommand*\left@footnoterule{%
17753 \normalsize\ftn@rule@test@values
17754 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17755 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17756 {\usekomafont{footnoterule}{%
17757 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17758 \kern 2.6\p@}
17759 \renewcommand*\right@footnoterule{%
17760 \normalsize\ftn@rule@test@values
17761 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17762 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17763 {\usekomafont{footnoterule}{%
17764 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17765 \kern 2.6\p@}
17766 \renewcommand*\maketitle[1][1]{%
17767 \if@titlepage
17768 \begin{titlepage}
17769 \setcounter{page}{%
17770 #1%
17771 }%
17772 \let\footnotesize\small
17773 \let\right@footnoterule\relax
17774 \let\left@footnoterule\relax
17775 \let\textwidth\footnoterule\relax
17776 \let\footnote\thanks
17777 \let\LTRfootnote\LTRthanks
17778 \let\RTLfootnote\RTLthanks
17779 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17780 \let\@oldmakefnmark\@makefnmark
17781 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17782 \ifx\@extratitle\@empty \else
17783 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17784 \thispagestyle{empty}%
17785 \fi

```



```

17786 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
17787 \ifx\@titlehead\@empty \else
17788 \begin{minipage}[t]{\textwidth}%
17789 \@titlehead
17790 \end{minipage}\par
17791 \fi
17792 \null\vfill
17793 \begin{center}
17794 \ifx\@subject\@empty \else
17795 {\subject@font \@subject \par}%
17796 \vskip 3em
17797 \fi
17798 {\titlefont\huge \@title\par}%
17799 \vskip 1em
17800 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17801 \vskip 2em
17802 {\Large \lineskip 0.75em
17803 \begin{tabular}[t]{c}
17804 \@author
17805 \end{tabular}\par
17806 }%
17807 \vskip 1.5em
17808 {\Large \@date \par}%
17809 \vskip \z@ \@plus3fill
17810 {\Large \@publishers \par}%
17811 \vskip 3em
17812 \end{center}\par
17813 \@thanks
17814 \vfill\null
17815 \if@twoside\next@tpage
17816 \begin{minipage}[t]{\textwidth}
17817 \@uppertitleback
17818 \end{minipage}\par
17819 \vfill
17820 \begin{minipage}[b]{\textwidth}
17821 \@lowertitleback
17822 \end{minipage}
17823 \fi
17824 \ifx\@dedication\@empty \else
17825 \next@tpage\null\vfill
17826 {\centering \Large \@dedication \par}%
17827 \vskip \z@ \@plus3fill
17828 \if@twoside \next@tpage\cleardoubleemptypage \fi
17829 \fi
17830 \end{titlepage}
17831 \else
17832 \par
17833 \@tempcnta=%
17834 #1%
17835 \relax\ifnum\@tempcnta=1\else

```



```

17836 \ClassWarning{\KOMAClassName}{%
17837   Optional argument of \string\maketitle\space ignored
17838   at\MessageBreak
17839   notitlepage-mode%
17840 }%
17841 \fi
17842 \begingroup
17843 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17844 \let\@oldmakefnmark\@makefnmark
17845 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17846 \if@twocolumn
17847   \ifnum \col@number=\@ne
17848     \@maketitle
17849   \else
17850     \twocolumn[\@maketitle]%
17851   \fi
17852 \else
17853   \newpage
17854   \global\@topnum\z@
17855   \@maketitle
17856 \fi
17857 \thispagestyle{\titlepagestyle}\@thanks
17858 \endgroup
17859 \fi
17860 \setcounter{footnote}{0}%
17861 \let\thanks\relax
17862 \let\LTRthanks\relax
17863 \let\RTLthanks\relax
17864 \let\maketitle\relax
17865 \let\@maketitle\relax
17866 \global\let\@thanks\@empty
17867 \global\let\@author\@empty
17868 \global\let\@date\@empty
17869 \global\let\@title\@empty
17870 \global\let\@subtitle\@empty
17871 \global\let\@extratitle\@empty
17872 \global\let\@titlehead\@empty
17873 \global\let\@subject\@empty
17874 \global\let\@publishers\@empty
17875 \global\let\@uppertitleback\@empty
17876 \global\let\@lowertitleback\@empty
17877 \global\let\@dedication\@empty
17878 \global\let\author\relax
17879 \global\let\title\relax
17880 \global\let\extratitle\relax
17881 \global\let\titlehead\relax
17882 \global\let\subject\relax
17883 \global\let\publishers\relax
17884 \global\let\uppertitleback\relax
17885 \global\let\lowertitleback\relax

```




```

17886 \global\let\dedication\relax
17887 \global\let\date\relax
17888 \global\let\and\relax
17889 }%
17890 \renewcommand*{\@maketitle}{%
17891 \clearpage
17892 \let\footnote\thanks
17893 \let\LTRfootnote\LTRthanks
17894 \let\RTLfootnote\RTLthanks
17895 \ifx\@extratitle\@empty \else
17896 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17897 \fi
17898 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17899 \ifx\@titlehead\@empty \else
17900 \begin{minipage}[t]{\textwidth}
17901 \@titlehead
17902 \end{minipage}\par
17903 \fi
17904 \null
17905 \vskip 2em%
17906 \begin{center}%
17907 \ifx\@subject\@empty \else
17908 {\subject@font \@subject \par}
17909 \vskip 1.5em
17910 \fi
17911 {\titlefont\huge \@title \par}%
17912 \vskip .5em
17913 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17914 \vskip 1em
17915 {\Large
17916 \lineskip .5em%
17917 \begin{tabular}[t]{c}
17918 \@author
17919 \end{tabular}\par
17920 }%
17921 \vskip 1em%
17922 {\Large \@date \par}%
17923 \vskip \z@ \@plus 1em
17924 {\Large \@publishers \par}
17925 \ifx\@dedication\@empty \else
17926 \vskip 2em
17927 {\Large \@dedication \par}
17928 \fi
17929 \end{center}%
17930 \par
17931 \vskip 2em
17932 }%
17933 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17934 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17935 \renewcommand*\thesection{%

```



```

17936 \thechapter\@SepMark%
17937 \@arabic\c@section
17938 }
17939 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17940 \renewcommand*{\thesubsubsection}{%
17941 \thesubsection\@SepMark\@arabic\c@subsubsection
17942 }
17943 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17944 \renewcommand*{\thesubparagraph}{%
17945 \theparagraph\@SepMark\@arabic\c@subparagraph
17946 }
17947 \renewcommand*{\thefigure}{%
17948 \thechapter\@SepMark%
17949 \@arabic\c@figure
17950 }
17951 \renewcommand*{\thetable}{%
17952 \thechapter\@SepMark%
17953 \@arabic\c@table
17954 }
17955 \renewcommand*{\theequation}{%
17956 \thechapter\@SepMark%
17957 \@arabic\c@equation
17958 }
17959 \renewenvironment{thebibliography}[1]{%
17960 \if@bib@break@
17961 \bib@beginhook
17962 \else
17963 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17964 \setchapterpreamble{\bibpreamble}%
17965 \fi\fi
17966 \bib@heading
17967 \bib@beginhook
17968 \bib@before@hook
17969 \fi
17970 \renewcommand{\BreakBibliography}[1]{%
17971 \@bib@break
17972 \end{thebibliography}%
17973 \begingroup ##1\endgroup
17974 \begin{thebibliography}{#1}
17975 }%
17976 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17977 \bidi@thebibliography@font@hook%
17978 \list{%
17979 \@biblabel{\@arabic\c@enumiv}%
17980 }{%
17981 \settowidth\labelwidth{\@biblabel{#1}}%
17982 \leftmargin\labelwidth
17983 \advance\leftmargin\labelsep
17984 \@openbib@code
17985 \if@bib@break@

```



```

17986 \edef\@tempa{%
17987 \noexpand\usecounter{enumiv}%
17988 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17989 }\@tempa
17990 \no@bib@break
17991 \else
17992 \usecounter{enumiv}%
17993 \fi
17994 \let\p@enumiv\@empty
17995 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17996 }%
17997 \sloppy\clubpenalty4000 \widowpenalty4000
17998 \sfcode`\.=\@m
17999 }{%
18000 \if@bib@break@
18001 \def\@noitemerr{%
18002 \@latex@warning{%
18003 \string\BreakBibliography\space at begin of `thebibliography'
18004 environment\MessageBreak
18005 or following \string\BreakBibliography}%
18006 }%
18007 \else
18008 \def\@noitemerr{%
18009 \@latex@warning{%
18010 Empty `thebibliography' environment or
18011 \string\BreakBibliography\MessageBreak
18012 before end of `thebibliography' environment}%
18013 }%
18014 \fi
18015 \endlist
18016 \if@bib@break@
18017 \else
18018 \bib@after@hook
18019 \let\bib@before@hook\@empty
18020 \let\bib@after@hook\@empty
18021 \fi
18022 \bib@endhook
18023 }
18024 \renewcommand*\left@footnoterule{%
18025 \kern-3\p@
18026 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18027 \hrule\@width.4\columnwidth
18028 \kern 2.6\p@}
18029 \renewcommand*\right@footnoterule{%
18030 \kern-3\p@
18031 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18032 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18033 \kern2.6\p@}
18034 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
18035 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}

```



```

18036 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18037 \renewcommand\marginline[1]{%
18038   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18039 }
18040 \renewcommand{\@@makecaption}[3]{%
18041   \cap@margin
18042   \ifonelinecaptions
18043     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18044     \let\scr@tmp@footnotetext=\@footnotetext
18045     \let\@footnotetext=\@gobble
18046     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18047     \let\@LTRfootnotetext=\@gobble
18048     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18049     \let\@RTLfootnotetext=\@gobble
18050     \sbox\@tempboxa{%
18051       {\capfont{\strut\ignorespaces
18052         #1{\caplabelfont{#2\captionformat}}}%
18053         #3\unskip\strut}}%
18054     }%
18055     \let\@footnotetext=\scr@tmp@footnotetext
18056     \let\scr@tmp@footnotetext=\undefined
18057     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18058     \let\scr@tmp@LTRfootnotetext=\undefined
18059     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18060     \let\scr@tmp@RTLfootnotetext=\undefined
18061     \setcounter{footnote}{\@tempcntb}%
18062     \setcounter{mpfootnote}{\@tempcnta}%
18063   \else
18064     \sbox\@tempboxa{\hspace*{2\cap@width}}%
18065   \fi
18066   \begingroup%
18067     \setlength{\@tempdima}{\cap@width}%
18068     \ifdim \wd\@tempboxa >\@tempdima
18069       \hb@xt@\hsize{%
18070         \setbox\@tempboxa\vbox{\hsize=\cap@width
18071           \ifdofullcap
18072             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18073               #1{\caplabelfont{#2\captionformat}}}}}%
18074               #3\unskip\strut\par}}}%
18075       \else%
18076         \ifdim\cap@indent<\z@
18077           {\capfont{\strut\ignorespaces
18078             #1{\caplabelfont{#2\captionformat\par}}}%
18079             \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
18080         \else%
18081           \if@capbreak
18082             {\capfont{\strut\ignorespaces
18083               #1{\caplabelfont{#2\captionformat\par}}}%
18084               \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18085           \else

```



```

18086         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
18087         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18088         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18089         \fi
18090     \fi
18091     \fi
18092 }%
18093 \setlength{\@tempdima}{\ht\@tempboxa}%
18094 \addtolength{\@tempdima}{\dp\@tempboxa}%
18095 \addtolength{\@tempdima}{-\ht\strutbox}%
18096 \ht\@tempboxa\ht\strutbox
18097 \dp\@tempboxa\@tempdima
18098 \strut\cap@left
18099 \box\@tempboxa
18100 \cap@right\strut
18101 }%
18102 \else
18103     \global \@minipagefalse
18104     \sbox\@tempboxa{%
18105         {\capfont{\scr@smashdp{\strut\ignorespaces
18106         #1{\caplabelfont{#2\captionformat}}}}}%
18107         #3}}}%
18108     }%
18109     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}\fi
18110     \fi
18111 \endgroup
18112 }
18113 \renewcommand{\@makecaption}[2]{%
18114     \if@captionabove
18115         \vskip\belowcaptionskip
18116     \else
18117         \vskip\abovecaptionskip
18118     \fi
18119     @@makecaption\@firstofone{#1}{#2}%
18120     \if@captionabove
18121         \vskip\abovecaptionskip
18122     \else
18123         \vskip\belowcaptionskip
18124     \fi
18125 }
18126 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18127     \@ifpackageloaded{caption2}{\@komalongtablefalse
18128     \scr@caption@before@longtable@warning{caption2}}%
18129     }{}%
18130     \if@komalongtable
18131         \renewcommand{\LT@makecaption}[3]{%
18132             \noalign{%
18133                 \if@captionabove
18134                     \vskip\belowcaptionskip
18135                 \else

```



```

18136         \vskip\abovecaptionskip
18137     \fi
18138 }%
18139 \LT@mcol\LT@cols c{%
18140     \hbox to\z@{\hss\parbox[t]\linewidth{%
18141         \@makecaption{#1}{#2}{#3}%
18142     \endgraf
18143     \if@captionabove
18144         \vskip\abovecaptionskip
18145     \else
18146         \vskip\belowcaptionskip
18147     \fi
18148 }%
18149 \hss
18150 }%
18151 }%
18152 }%
18153 \renewcommand*{\scr@LT@array}{}%
18154 \let\scr@LT@array=\LT@array
18155 \renewcommand*{\LT@array}{%
18156     \let\scr@caption=\LT@caption
18157     \def\captionabove{\noalign{\global\@captionabovetrue}%
18158         \scr@caption}%
18159     \def\captionbelow{\noalign{\global\@captionabovetrue}%
18160         \scr@caption}%
18161     \if@tablecaptionabove
18162         \let\LT@caption=\captionabove
18163     \else
18164         \let\LT@caption=\captionbelow
18165     \fi
18166     \scr@LT@array
18167 }%
18168 \ClassInfo{\KOMAClassName}{%
18169     longtable captions redefined%
18170 }%
18171 \fi
18172 }
18173
18174 \CloneTOCEntryStyle{tocline}{part}
18175 \TOCEntryStyleStartInitCode{part}{%
18176     \expandafter\renewcommand%
18177     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18178     \expandafter\renewcommand%
18179     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18180     \expandafter\renewcommand%
18181     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18182         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18183     \expandafter\renewcommand\expandafter*%
18184     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
18185 }

```



```

18186
18187 \CloneTOCEntryStyle{tocline}{chapter}
18188 \TOCEntryStyleStartInitCode{chapter}{%
18189   \expandafter\renewcommand%
18190   \csname scr@tso@#1@linefill\endcsname{%
18191     \if@chapterentrywithdots
18192       \TOCLineLeaderFill\relax
18193     \else
18194       \hfill
18195     \fi
18196   }%
18197   \expandafter\renewcommand%
18198   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
18199   \expandafter\renewcommand%
18200   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18201     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18202   \expandafter\renewcommand\expandafter*%
18203   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18204 }
18205
18206 \CloneTOCEntryStyle{tocline}{section}
18207 \TOCEntryStyleStartInitCode{section}{%
18208   \expandafter\renewcommand%
18209   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18210 }
18211
18212 \CloneTOCEntryStyle{section}{default}
18213
18214 \DeclareSectionCommand[%
18215   style=part,%
18216   level=\m@ne,%
18217   pagestyle=plain,%
18218   tocstyle=part,%
18219   toplevel=\m@ne,%
18220   tocindent=\z@,%
18221   tocnumwidth=2em%
18222 ]{part}
18223 \DeclareSectionCommand[%
18224   style=chapter,%
18225   level=\z@,%
18226   pagestyle=plain,%
18227   tocstyle=chapter,%
18228   tocindent=\z@,%
18229   tocnumwidth=1.5em%
18230 ]{chapter}
18231 \DeclareSectionCommand[%
18232   style=section,%
18233   level=1,%
18234   indent=\z@,%
18235   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%

```



```

18236 afterskip=2.3ex \@plus.2ex,%
18237 tocstyle=section,%
18238 tocindent=1.5em,%
18239 tocnumwidth=2.3em%
18240]{section}
18241\DeclareSectionCommand[%
18242 style=section,%
18243 level=2,%
18244 indent=\z@,%
18245 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18246 afterskip=1.5ex \@plus .2ex,%
18247 tocstyle=section,%
18248 tocindent=3.8em,%
18249 tocnumwidth=3.2em%
18250]{subsection}
18251\DeclareSectionCommand[%
18252 style=section,%
18253 level=3,%
18254 indent=\z@,%
18255 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18256 afterskip=1.5ex \@plus .2ex,%
18257 tocstyle=section,%
18258 tocindent=7.0em,%
18259 tocnumwidth=4.1em%
18260]{subsubsection}
18261\DeclareSectionCommand[%
18262 style=section,%
18263 level=4,%
18264 indent=\z@,%
18265 beforekip=3.25ex \@plus1ex \@minus .2ex,%
18266 afterskip=-1em,%
18267 tocstyle=section,%
18268 tocindent=10em,%
18269 tocnumwidth=5em%
18270]{paragraph}
18271\DeclareSectionCommand[%
18272 style=section,%
18273 level=5,%
18274 indent=\scr@parindent,%
18275 beforekip=3.25ex \@plus1ex \@minus .2ex,%
18276 afterskip=-1em,%
18277 tocstyle=section,%
18278 tocindent=12em,%
18279 tocnumwidth=6em%
18280]{subparagraph}
18281
18282

```



108 File sidecap-xetex-bidi.def

```

18283 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18284 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18285     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18286 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18287 \renewcommand*\SC@justify@caption{\if@RTL%
18288 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18289     \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

109 File soul-xetex-bidi.def

```

18290 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18291 \long\def\SOUL@start#1{%
18292     \let\bidi@RTL@everypar\@empty
18293     \let\<\SOUL@lowerthan
18294     \let\>\empty
18295     \def\soulomit{\noexpand\soulomit}%
18296     \gdef\SOUL@eventuallyexhyphen##1{%
18297     \let\SOUL@soeventuallyskip\relax
18298     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18299         \@minus\fontdimen4\font
18300     \SOUL@ignorespacesfalse
18301     \leavevmode
18302     \SOUL@preamble
18303     \SOUL@lasttoken={}
18304     \SOUL@word={}
18305     \SOUL@minus\z@
18306     \SOUL@comma\z@
18307     \SOUL@apo\z@
18308     \SOUL@grave\z@
18309     \SOUL@do{#1}%
18310     \SOUL@postamble
18311 }
18312 \def\SOUL@ulunderline#1{%
18313     \setbox\z@\hbox{#1}%
18314     \dimen@=\wd\z@
18315     \dimen@i=\SOUL@uloverlap
18316     \advance\dimen@2\dimen@i
18317     \if@RTL
18318     \unhcopy\z@
18319     \llap{%
18320         \null
18321         \kern-\dimen@i
18322         \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18323     }%
18324     \else
18325     \rlap{%
18326         \null
18327         \kern-\dimen@i

```



```

18328      \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18329    }%
18330    \unhcopy\z@
18331    \fi
18332  }}
18333  \def\bidi@SOUL@ulleaders{%
18334    \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
18335  }
18336  \def\SOUL@uleveryspace#1{%
18337    \if@RTL
18338      #1%
18339      \bidi@SOUL@ulleaders
18340      \hskip\spaceskip
18341    \else
18342      \SOUL@ulcolor{%
18343        #1%
18344        \SOUL@ulleaders
18345        \hskip\spaceskip
18346      }%
18347    \fi
18348    \null
18349  }

```

110 File stabular-xetex-bidi.def

```

18350 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package ]
18351 \def\@stabular{%
18352   \leavevmode \bgroup \if@RTLtab\beginR \fi
18353   \let\@acol\@tabacol
18354   \let\@classz\@tabclassz
18355   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18356 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18357   \egroup \if@RTLtab\endR\fi\egroup}
18358 \expandafter \let \csname endstabular*\endcsname = \endstabular
18359 \def\@sarray[#1]#2{%
18360   \bgroup
18361   \setbox\@arstrutbox\hbox{%
18362     \vrule \@height\arraystretch\ht\strutbox
18363     \@depth\arraystretch \dp\strutbox
18364     \@width\z@}%
18365   \@mkpream{#2}%
18366   \edef\@preamble{%
18367     \ialign \noexpand\@halignto
18368       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18369   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18370   \let\@tabularnewline\%
18371   \let\@sharp##%
18372   \set@typeset@protect
18373   \lineskip\z@skip\baselineskip\z@skip
18374   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi

```



```
18375 \@preamble}
```

111 File subfigure-xetex-bidi.def

```
18376 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18377 \AtBeginDocument{%
18378 \let\p@subfigure=\thefigure
18379 \let\p@subtable=\thetable%
18380 }
```

112 File tabs-xetex-bidi.def

```
18381 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
18382 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18383
18384 \expandafter\let\csname endtabular*\endcsname=\endtabular
18385
18386 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crrc if \ given
18387 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18388 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18389
18390 \def\@array[#1]#2{% remember global variables to allow recursion:
18391 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18392 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18393 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18394 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18395 \else \let\@tarlinesep\tablinesep \fi
18396 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18397 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18398 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18399 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18400 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18401 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18402 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18403 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18404 \let\protect\noexpand
18405 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18406 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18407 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18408 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18409 \bgroup \let\par\empty
18410 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18411 \advance\extrarulesep.5\arrayrulewidth
18412 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18413 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
18414 \@preamble}
```

113 File tabularx-xetex-bidi.def

```
18415 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
```



```

18416 \def\TX@endtabularx{%
18417   \expandafter\expandafter\expandafter
18418     \TX@find@endtabularxa\csname end\TX@\endcsname
18419     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18420   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18421   \let\verb\TX@verb
18422   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18423   \edef\TX@ckpt{\cl@ckpt}%
18424   \let\@elt\relax
18425   \TX@old@table\maxdimen
18426   \TX@col@width\TX@target
18427   \global\TX@cols\@ne
18428   \TX@typeout@
18429     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18430   \TX@trial{\def\NC@rewrite@X{%
18431     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18432   \loop
18433     \TX@arith
18434     \ifTX@
18435       \TX@trial{}%
18436   \repeat
18437   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18438    \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18439    \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18440    \csname tabular*\expandafter\endcsname\expandafter\TX@target
18441      \the\toks@
18442    \csname endtabular*\endcsname}%
18443   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18444   \ifnum0=\fi}%
18445   \expandafter\expandafter\expandafter
18446   \TX@find@endtabularxbb
18447   \expandafter\end\expandafter{\TX@}%
18448   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18449 }
18450
18451 \def\TX@trial#1{%
18452   \setbox\@tempboxa\hbox{%
18453     #1\relax
18454   \let\@footnotetext\TX@trial@ftn
18455   \let\@LTRfootnotetext\TX@trial@ftn
18456   \let\@RTLfootnotetext\TX@trial@ftn
18457   \let\TX@vwarn\@empty
18458   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18459   \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18460   \def\write{\begingroup
18461     \def\let{\afterassignment\endgroup\toks@}%
18462     \afterassignment\let\count@}%
18463   \hbadness\@M
18464   \hfuzz\maxdimen
18465   \let\hbadness\@tempcnta

```



```

18466 \let\hfuzz\@tempdima
18467 \expandafter\tabular\the\toks@
18468 \endtabular}%
18469 \TX@ckpt
18470 \TX@typeout@{\@spaces
18471 \expandafter\TX@align
18472 \the\wd\@tempboxa\space\space\space\space\space\@@
18473 \expandafter\TX@align
18474 \the\TX@colwidth\space\space\space\space\space\@@
18475 \@spaces\the\TX@cols}}
18476
18477 \long\def\TX@LTRftntext#1{%
18478 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18479 [\the\csname c@\@mpfn\endcsname]}}%
18480 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18481 \long\def\TX@xLTRftntext[#1]#2{%
18482 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18483
18484 \long\def\TX@RTLftntext#1{%
18485 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18486 [\the\csname c@\@mpfn\endcsname]}}%
18487 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18488 \long\def\TX@xRTLftntext[#1]#2{%
18489 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

114 File tabulary-xetex-bidi.def

```

18490 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18491 \def\@testpach{\@chclass
18492 \ifnum \@lastchclass=6 \one \@chnum \one \else
18493 \ifnum \@lastchclass=7 5 \else
18494 \ifnum \@lastchclass=8 \tw@ \else
18495 \ifnum \@lastchclass=9 \thr@@
18496 \else \z@
18497 \ifnum \@lastchclass = 10 \else
18498 \edef\@nextchar{\expandafter\string\@nextchar}%
18499 \@chnum
18500 \if \@nextchar c\z@ \else
18501 \if \@nextchar \if@RTLtab r\else l\fi\one \else
18502 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18503 \if \@nextchar C7 \else
18504 \if \@nextchar L8 \else
18505 \if \@nextchar R9 \else
18506 \if \@nextchar J10 \else
18507 \z@ \@chclass
18508 \if\@nextchar |\@one \else
18509 \if \@nextchar !6 \else
18510 \if \@nextchar @7 \else
18511 \if \@nextchar <8 \else
18512 \if \@nextchar >9 \else

```



```

18513 10
18514 \@chnum
18515 \if \@nextchar m\thr@@\else
18516 \if \@nextchar p4 \else
18517 \if \@nextchar b5 \else
18518 \z@\@chclass \z@\@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
18519 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

115 File tc-xetex-bidi.def

```

18520 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18521 \def\@cliptoboxdim#1{%
18522     \setbox#1=\hbox{%
18523         \Gin@defaultbp\WIDTH{\wd#1}%
18524         \Gin@defaultbp\DEPTH{\dp#1}%
18525         \@tempdima\ht#1%
18526         \advance\@tempdima\dp#1%
18527         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18528         \beginL\special{pdf:bcontent }%
18529         \special{%
18530             pdf:literal direct
18531             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18532         }%
18533         \special{pdf:literal direct W }%
18534         \special{pdf:literal direct n }%
18535         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18536         \special{pdf:econtent }\endL%
18537     }%
18538 }

```

116 File tcolorbox-xetex-bidi.def

```

18539 \ProvidesFile{tcolorbox-xetex-bidi.def}[2017/08/15 v0.1 bidi adaptations for tcolorbox package]
18540 \let\endtcbl@rbox=\endminipage
18541 \let\endtcbl@savebox=\endtcbl@rbox
18542
18543 \bidi@patchcmd{\tcb@vbox}{\{%
18544   \let\@footnotetext\@mpfootnotetext%
18545 }{\%
18546   \let\@footnotetext\@mpfootnotetext%
18547   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18548   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18549 }{}{}
18550
18551 \bidi@patchcmd{\endtcbl@vbox}{\%
18552   \footnoterule%
18553 }{\%
18554   \bidi@mpfootnoterule%
18555 }{}{}

```



117 File titlesec-xetex-bidi.def

```
18556 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18557 \renewcommand\filright{%
18558   \gdef\ttl@filleft##1{\hskip##1}%
18559   \gdef\ttl@filright##1{\hfill}%
18560   \let\\\@centercr
18561   \advance\rightskip\z@ \@plus 1fil
18562   \parfillskip\z@}
18563 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18564   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18565   \setlength\leftskip{#6}%
18566   \setlength\rightskip{#7}%
18567   \interlinepenalty\@M
18568   \ttl@change@centercr
18569   \ttl@beginlongest
18570   #1{\ifhmode\ttl@hmode@error\fi
18571     \ttl@glcmds
18572     \parindent\z@
18573     \leavevmode
18574     \begingroup
18575     \ifttl@label
18576       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18577       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18578       \llap{\box\z@}%
18579     \fi
18580     #4{#8}%
18581     \kern\z@\strut\@@par
18582   \endgroup
18583   \nobreak\ttl@midlongest#5\@@par}%
18584 \ttl@endlongest}
```

118 File titletoc-xetex-bidi.def

```
18585 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18586 \renewcommand\filright{%
18587   \gdef\ttl@filleft##1{\hskip##1}%
18588   \gdef\ttl@filright##1{\hfill}%
18589   \let\\\@centercr
18590   \advance\rightskip\z@ \@plus 1fil
18591   \parfillskip\z@}
18592 \renewcommand\contentspush[1]{%
18593   \sbox\z@{#1}%
18594   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18595   \aftergroup\ttl@b
18596   \leavevmode\llap{\box\z@}}
18597 \def\ttl@outnoblock#1#2#3{%
18598   \begingroup
18599   \ifnum\ttl@b>\ttl@a
18600     \nobreak
```



```

18601 \else\ifnum\ttl@b<\ttl@a
18602 \addpenalty{\@secpenalty}%
18603 \else
18604 \addpenalty{\z@}%
18605 \fi\fi
18606 \ttl@contentsstretch
18607 \nobreak
18608 \ifcase#1\relax\else\interlinepenalty\@M\fi
18609 \parindent\z@
18610 \ifx\@nil#2%
18611 \PackageError{titletoc}{Unimplemented}%
18612 {The optional argument is currently mandatory}%
18613 \else
18614 \if@RTL\setlength\rightskip{#2}\else
18615 \setlength\leftskip{#2}\fi%
18616 \fi
18617 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18618 \let\contentsmargin\ttl@margin
18619 \def\ttl@makeline##1{##1}%
18620 #3%
18621 \addtolength{\parfillskip}{-\ttl@corr}%
18622 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18623 \let\ttl@leaders\leaders}
18624 \renewcommand\ttl@margin[2][\z@]{%
18625 \def\ttl@corr{#1}%
18626 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18627 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18628 \def\@pnumwidth{#2}}
18629 \let\ttl@savel@part\l@part
18630 \def\l@part{\ttl@lselect{part}}
18631
18632 \let\ttl@savel@chapter\l@chapter
18633 \def\l@chapter{\ttl@lselect{chapter}}

```

119 File tocbibind-xetex-bidi.def

```

18634 \ProvidesFile{tocabibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
18635 \if@dotocbib
18636 \@ifpackageloaded{natbib}{}{\% natbib not loaded
18637 \renewcommand{\bibsection}{\t@cb@bchapsec}
18638 \renewenvironment{thebibliography}[1]{\%
18639 \bibsection
18640 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
18641 \renewenvironment{thebibitemlist}[1]{
18642 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18643 \bidi@thebibliography@font@hook%
18644 \list{\@biblabel{\@arabic{cenumiv}}}%
18645 {\settowidth\labelwidth{\@biblabel{#1}}%
18646 \leftmargin\labelwidth
18647 \advance\leftmargin\labelsep

```




```

18648         \@openbib@code
18649         \usecounter{enumiv}%
18650         \let\p@enumiv\@empty
18651         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18652     \sloppy
18653     \clubpenalty4000
18654     \@clubpenalty \clubpenalty
18655     \widowpenalty4000%
18656     \sfcode\.\@m}
18657 {\def\@noitemerr
18658   {\@latex@warning{Empty `thebibliography' environment}}}%
18659   \endlist}
18660
18661   \ifpackagewith{chapterbib}{sectionbib}%
18662     {\renewcommand{\sectionbib}[2]{}}%
18663     {}
18664
18665 \fi
18666 \if@inltxdoc\else
18667   \renewenvironment{theindex}%
18668     {\if@twocolumn
18669       \@restonecolfalse
18670     \else
18671       \@restonecoltrue
18672     \fi
18673     \if@bibchapter
18674       \if@donumindex
18675         \refstepcounter{chapter}
18676         \twocolumn[\vspace*{2\topskip}%
18677           \@makechapterhead{\indexname}}%
18678         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18679         \chaptermark{\indexname}
18680       \else
18681         \if@dotocind
18682           \twocolumn[\vspace*{2\topskip}%
18683             \@makeschapterhead{\indexname}}%
18684           \prw@mkboth{\indexname}
18685           \addcontentsline{toc}{chapter}{\indexname}
18686         \else
18687           \twocolumn[\vspace*{2\topskip}%
18688             \@makeschapterhead{\indexname}}%
18689           \prw@mkboth{\indexname}
18690         \fi
18691       \fi
18692     \else
18693       \if@donumindex
18694         \twocolumn[\vspace*{-1.5\topskip}%
18695           \@nameuse{\@tocextra}{\indexname}}%
18696         \csname \@tocextra mark\endcsname{\indexname}
18697       \else

```



```

18698         \if@dotocind
18699             \twocolumn[\vspace*{-1.5\topskip}%
18700                 \toc@headstar{\@tocextra{\indexname}}%
18701                 \prw@mkboth{\indexname}
18702                 \addcontentsline{toc}{\@tocextra}{\indexname}
18703             \else
18704                 \twocolumn[\vspace*{-1.5\topskip}%
18705                     \toc@headstar{\@tocextra{\indexname}}%
18706                     \prw@mkboth{\indexname}
18707             \fi
18708         \fi
18709     \fi
18710     \thispagestyle{plain}\parindent\z@
18711     \parskip\z@ \@plus .3\p@\relax
18712     \let\item\@idxitem}
18713     {\if@restonecol\onecolumn\else\clearpage\fi}
18714 \fi

```

120 File tocloft-xetex-bidi.def

```

18715 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
18716 \let\cftdot\@SepMark
18717 \if@cfthaspart
18718 \renewcommand*{\l@part}[2]{
18719     \@cftdopartfalse
18720     \ifnum \c@tocdepth >-2\relax
18721         \if@cfthaschapter
18722             \@cftdoparttrue
18723         \fi
18724         \ifnum \c@tocdepth >\m@ne
18725             \if@cfthaschapter\else
18726                 \@cftdoparttrue
18727             \fi
18728         \fi
18729     \fi
18730     \if@cftdopart
18731         \if@cfthaschapter
18732             \addpenalty{-\@highpenalty}
18733         \else
18734             \addpenalty\@secpenalty
18735         \fi
18736         \addvspace{\cftbeforepartskip}
18737         \begingroup
18738             {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
18739             \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18740             \parfillskip -\if@RTL\leftskip\else\righskip\fi
18741             \parindent \cftpartindent\relax\@afterindenttrue
18742             \interlinepenalty\@M
18743             \leavevmode
18744             \@tempdima \cftpartnumwidth\relax

```



```

18745 \let\@cftbsnum \cftpartpresnum
18746 \let\@cftasnum \cftpartaftersnum
18747 \let\@cftasnumb \cftpartaftersnumb
18748 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18749 {\cftpartfont \cftpartpresnum #1}
18750 \cftpartfillnum{#2}}
18751 \nobreak
18752 \if@cfthaschapter
18753 \global\@nobreaktrue
18754 \everypar{\global\@nobreakfalse\everypar{}}
18755 \else
18756 \ifcompatibility
18757 \global\@nobreaktrue
18758 \everypar{\global\@nobreakfalse\everypar{}}
18759 \fi
18760 \fi
18761 \endgroup
18762 \fi}
18763 \fi
18764 \if@cfthaschapter
18765 \renewcommand*{\l@chapter}[2]{
18766 \ifnum \c@tocdepth >\m@ne
18767 \addpenalty{-\@highpenalty}
18768 \vskip \cftbeforechapskip
18769 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
18770 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18771 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18772 \parindent \cftchapindent\relax\@afterindenttrue
18773 \interlinepenalty\@M
18774 \leavevmode
18775 \@tempdima \cftchapnumwidth\relax
18776 \let\@cftbsnum \cftchappresnum
18777 \let\@cftasnum \cftchapaftersnum
18778 \let\@cftasnumb \cftchapaftersnumb
18779 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18780 {\cftchapfont #1}\nobreak
18781 \cftchapfillnum{#2}}
18782 \fi}
18783 \fi
18784 \renewcommand*{\l@section}[2]{%
18785 \ifnum \c@tocdepth >\z@
18786 \if@cfthaschapter
18787 \vskip \cftbeforesecskip
18788 \else
18789 \addpenalty\@secpenalty
18790 \addvspace{\cftbeforesecskip}
18791 \fi
18792 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
18793 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18794 \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```



```

18795 \parindent \cftsecindent\relax\@afterindenttrue
18796 \interlinepenalty\@M
18797 \leavevmode
18798 \@tempdima \cftsecnumwidth\relax
18799 \let\@cftbsnum \cftsecpresnum
18800 \let\@cftasnum \cftsecaftersnum
18801 \let\@cftasnumb \cftsecaftersnumb
18802 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18803 {\cftsecfont #1}\nobreak
18804 \cftsecfillnum{#2}}
18805 \fi}
18806 \renewcommand*{\l@section}[2]{%
18807 \ifnum \c@tocdepth >\@ne
18808 \vskip \cftbeforesubsecskip
18809 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
18810 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18811 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18812 \parindent \cftsubsecindent\relax\@afterindenttrue
18813 \interlinepenalty\@M
18814 \leavevmode
18815 \@tempdima \cftsubsecnumwidth\relax
18816 \let\@cftbsnum \cftsubsecpresnum
18817 \let\@cftasnum \cftsubsecaftersnum
18818 \let\@cftasnumb \cftsubsecaftersnumb
18819 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18820 {\cftsubsecfont #1}\nobreak
18821 \cftsubsecfillnum{#2}}
18822 \fi}
18823 \renewcommand*{\l@subsubsection}[2]{%
18824 \ifnum \c@tocdepth >\tw@
18825 \vskip \cftbeforesubsubsecskip
18826 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
18827 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18828 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18829 \parindent \cftsubsubsecindent\relax\@afterindenttrue
18830 \interlinepenalty\@M
18831 \leavevmode
18832 \@tempdima \cftsubsubsecnumwidth\relax
18833 \let\@cftbsnum \cftsubsubsecpresnum
18834 \let\@cftasnum \cftsubsubsecaftersnum
18835 \let\@cftasnumb \cftsubsubsecaftersnumb
18836 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18837 {\cftsubsubsecfont #1}\nobreak
18838 \cftsubsubsecfillnum{#2}}
18839 \fi}
18840 \renewcommand*{\l@paragraph}[2]{%
18841 \ifnum \c@tocdepth >3\relax
18842 \vskip \cftbeforeparaskip
18843 {\if@RTL\rightskip\else\leftskip\fi \cftparindent\relax
18844 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg

```



```

18845 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18846 \parindent \cftpargin\relax\@afterindenttrue
18847 \interlinepenalty\@M
18848 \leavevmode
18849 \@tempdima \cftparginwidth\relax
18850 \let\@cftbsnum \cftparginpresnum
18851 \let\@cftasnum \cftparginaftersnum
18852 \let\@cftasnumb \cftparginaftersnumb
18853 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18854 {\cftpargfont #1}\nobreak
18855 \cftpargfillnum{#2}}
18856 \fi}
18857 \renewcommand*{\l@subparagraph}[2]{%
18858 \ifnum \c@tocdepth >4\relax
18859 \vskip \cftbeforesubparskip
18860 {\if@RTL\rightskip\else\leftskip\fi \cftsubparindent\relax
18861 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18862 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18863 \parindent \cftsubparindent\relax\@afterindenttrue
18864 \interlinepenalty\@M
18865 \leavevmode
18866 \@tempdima \cftsubparnumwidth\relax
18867 \let\@cftbsnum \cftsubparapresnum
18868 \let\@cftasnum \cftsubparaaftersnum
18869 \let\@cftasnumb \cftsubparaaftersnumb
18870 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18871 {\cftsubparafont #1}\nobreak
18872 \cftsubparafillnum{#2}}
18873 \fi}
18874 \renewcommand*{\l@figure}[2]{%
18875 \ifnum \c@lofdepth >\z@
18876 \vskip \cftbeforefigskip
18877 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
18878 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18879 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18880 \parindent \cftfigindent\relax\@afterindenttrue
18881 \interlinepenalty\@M
18882 \leavevmode
18883 \@tempdima \cftfignumwidth\relax
18884 \let\@cftbsnum \cftfigpresnum
18885 \let\@cftasnum \cftfigaftersnum
18886 \let\@cftasnumb \cftfigaftersnumb
18887 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18888 {\cftfigfont #1}\nobreak
18889 \cftfigfillnum{#2}}
18890 \fi
18891 }
18892 \renewcommand*{\l@table}[2]{%
18893 \ifnum \c@lotdepth >\z@
18894 \vskip \cftbeforetabskip

```



```

18895 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
18896 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18897 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18898 \parindent \cfttabindent\relax\@afterindenttrue
18899 \interlinepenalty\@M
18900 \leavevmode
18901 \@tempdima \cfttabnumwidth\relax
18902 \let\@cftbsnum \cfttabpresnum
18903 \let\@cftasnum \cfttabaftersnum
18904 \let\@cftasnumb \cfttabaftersnumb
18905 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18906 {\cfttabfont #1}\nobreak
18907 \cfttabfillnum{#2}}
18908 \fi
18909 }
18910 \renewcommand{\@cftl@subfig}{
18911 \renewcommand*{\l@subfigure}[2]{%
18912 \ifnum \c@lofdepth > \toclevel@subfigure
18913 \vskip \cftbeforesubfigskip
18914 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubfigindent\relax
18915 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18916 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18917 \parindent \cftsubfigindent\relax\@afterindenttrue
18918 \interlinepenalty\@M
18919 \leavevmode
18920 \@tempdima \cftsubfignumwidth\relax
18921 \let\@cftbsnum \cftsubfigpresnum
18922 \let\@cftasnum \cftsubfigaftersnum
18923 \let\@cftasnumb \cftsubfigaftersnumb
18924 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18925 {\cftsubfigfont ##1}\nobreak
18926 \cftsubfigfillnum{##2}}
18927 \fi
18928 }
18929 }
18930 \renewcommand{\@cftl@subtab}{
18931 \renewcommand*{\l@subtable}[2]{%
18932 \ifnum \c@lotdepth > \toclevel@subtable
18933 \vskip \cftbeforesubtabskip
18934 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubtabindent\relax
18935 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18936 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18937 \parindent \cftsubtabindent\relax\@afterindenttrue
18938 \interlinepenalty\@M
18939 \leavevmode
18940 \@tempdima \cftsubtabnumwidth\relax
18941 \let\@cftbsnum \cftsubtabpresnum
18942 \let\@cftasnum \cftsubtabaftersnum
18943 \let\@cftasnumb \cftsubtabaftersnumb
18944 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright

```



```

18945     {\cftsubtabfont ##1}\nobreak
18946     \cftsubtabfillnum{##2}}
18947   \fi
18948 }
18949 }
18950 \renewcommand{\newlistentry}[4][\@empty]{%
18951   \@ifundefined{c@#2}{%      check & set the counter
18952     \ifx \@empty#1\relax
18953       \newcounter{#2}
18954     \else
18955       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
18956         {#1 has no counter for use as a `within'}
18957         \newcounter{#2}}%
18958       {\newcounter{#2}[#1]%
18959         \expandafter\edef\csname the#2\endcsname{%
18960           \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
18961     \fi
18962     \setcounter{#2}{0}
18963   }
18964   {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
18965 }
18966 \namedef{l@#2}##1##2{%
18967   \ifnum \@nameuse{c@#3depth} > #4\relax
18968     \vskip \@nameuse{cftbefore#2skip}
18969     {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
18970     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18971     \parfillskip -\if@RTL\leftskip\else\righskip\fi
18972     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
18973     \interlinepenalty\@M
18974     \leavevmode
18975     \@tempdima \@nameuse{cft#2numwidth}\relax
18976     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
18977     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
18978     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
18979     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
18980     {\@nameuse{cft#2font}##1}\nobreak
18981     \@nameuse{cft#2fillnum}{##2}}
18982   \fi
18983 } % end of l@#2
18984
18985 \expandafter\newlength\csname cftbefore#2skip\endcsname
18986 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
18987 \expandafter\newlength\csname cft#2indent\endcsname
18988 \expandafter\newlength\csname cft#2numwidth\endcsname
18989 \ifcase #4\relax % 0
18990   \setlength{\@nameuse{cft#2indent}}{0em}
18991   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
18992 \or % 1
18993   \setlength{\@nameuse{cft#2indent}}{1.5em}
18994   \setlength{\@nameuse{cft#2numwidth}}{2.3em}

```



```

18995 \or % 2
18996 \setlength{\@nameuse{cft#2indent}}{3.8em}
18997 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
18998 \or % 3
18999 \setlength{\@nameuse{cft#2indent}}{7.0em}
19000 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19001 \else % anything else
19002 \setlength{\@nameuse{cft#2indent}}{10.0em}
19003 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19004 \fi
19005 \@namedef{cft#2font}{\normalfont}
19006 \@namedef{cft#2presnum}{\}
19007 \@namedef{cft#2aftersnum}{\}
19008 \@namedef{cft#2aftersnumb}{\}
19009 \@namedef{cft#2dotsep}{\cftdotsep}
19010 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19011 \@namedef{cft#2pagefont}{\normalfont}
19012 \@namedef{cft#2afterpnum}{\}
19013 \@namedef{toclevel@#2}{#4}
19014 \@namedef{cft#2fillnum}##1{%
19015 \{\@nameuse{cft#2leader}\nobreak
19016 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19017 } % end \newlistentry
19018 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
19019 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19020 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19021 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19022 \textit{#1}\protect\par}}}}

```

121 File tocbasic-xetex-bidi.def

```

19023 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
19024 \bidi@undef\scr@dte@def@1@undottedtocline
19025 \bidi@undef\scr@dte@undottedtocline@init
19026 \DeclareTOCEntryStyle{undottedtocline}[{%
19027 \DefineTOCEntryLengthOption{indent}%
19028 {scr@tso@}{@indent}{entry indent}%
19029 \DefineTOCEntryLengthOption{numwidth}%
19030 {scr@tso@}{@numwidth}{entry number width}%
19031 \@ifundefined{#1tocdepth}{%
19032 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19033 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19034 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19035 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19036 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19037 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19038 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19039 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19040 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19041 \expandafter\let\csname #1tocdepth\expandafter\endcsname

```




```

19042             \csname #1numdepth\endcsname
19043         }%
19044     }%
19045 }%
19046 }%
19047 }%
19048 }%
19049 }%
19050 }%
19051 }%
19052 }{}%
19053 \@ifundefined{scr@tso@#1@indent}{%
19054     \@ifundefined{scr@#1@tocindent}{%
19055         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19056             \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19057                 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19058                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19059                         \scr@ifundefined{relax}{l@chapter}{%
19060                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19061                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19062                                     \ifstr{#1}{subsubsection}{%
19063                                         \@namedef{scr@tso@#1@indent}{3.8em}%
19064                                     }{%
19065                                         \ifstr{#1}{paragraph}{%
19066                                             \@namedef{scr@tso@#1@indent}{7em}%
19067                                         }{%
19068                                             \ifstr{#1}{subparagraph}{%
19069                                                 \@namedef{scr@tso@#1@indent}{10em}%
19070                                             }{%
19071                                                 }%
19072                                             }%
19073                                         }%
19074                                     }%
19075                                 }%
19076                             }{%
19077                                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19078                                     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19079                                         \ifstr{#1}{subsubsection}{%
19080                                             \@namedef{scr@tso@#1@indent}{7.0em}%
19081                                         }{%
19082                                             \ifstr{#1}{paragraph}{%
19083                                                 \@namedef{scr@tso@#1@indent}{10em}%
19084                                             }{%
19085                                                 \ifstr{#1}{subparagraph}{%
19086                                                     \@namedef{scr@tso@#1@indent}{12em}%
19087                                                 }{%
19088                                                     }%
19089                                                 }%
19090                                             }%
19091                                         }%

```



```

19092         }%
19093     }%
19094 }%
19095 }%
19096 }%
19097 }%
19098 }{%
19099     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19100 }%
19101 }{}%
19102 \ifundefined{scr@tso@#1@numwidth}{%
19103     \@ifundefined{scr@#1@tocnumwidth}{%
19104         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19105             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19106                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19107                     \scr@ifundefinedorrelax{chapter}{%
19108                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19109                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19110                                 \ifstr{#1}{subsubsection}{%
19111                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19112                                 }{%
19113                                     \ifstr{#1}{paragraph}{%
19114                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19115                                     }{%
19116                                         \ifstr{#1}{subparagraph}{%
19117                                             \@namedef{scr@tso@#1@numwidth}{5em}%
19118                                         }{%
19119                                             }%
19120                                         }%
19121                                     }%
19122                                 }%
19123                             }%
19124                         }{%
19125                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19126                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19127                                     \ifstr{#1}{subsubsection}{%
19128                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
19129                                     }{%
19130                                         \ifstr{#1}{paragraph}{%
19131                                             \@namedef{scr@tso@#1@numwidth}{5em}%
19132                                         }{%
19133                                             \ifstr{#1}{subparagraph}{%
19134                                                 \@namedef{scr@tso@#1@numwidth}{6em}%
19135                                             }{%
19136                                                 }%
19137                                             }%
19138                                         }%
19139                                     }%
19140                                 }%
19141                             }%

```



```

19142         }%
19143     }%
19144 }%
19145 }{%
19146     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19147 }%
19148 }{}%
19149 }]{%
19150     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19151     \ifnum \@nameuse{#1tocdepth}<\@ne
19152         \scr@ifundefinedorrelax{chapter}{%
19153             \addpenalty\@secpenalty
19154             \addvspace{1.0em \@plus\p}%
19155         }{%
19156             \addpenalty{-\@highpenalty}%
19157             \vskip 1.0em \@plus\p@
19158         }%
19159     \else
19160         \addpenalty\@secpenalty
19161         \addvspace{1.0em \@plus\p}%
19162     \fi
19163     \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19164     \begingroup
19165         \parindent \z@ \bidi@rightskip \@pnumwidth
19166         \parfillskip -\@pnumwidth
19167         \leavevmode
19168         \bfseries
19169         \advance\bidi@leftskip\@tempdima
19170         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19171         \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19172         ##1%
19173         \nobreak
19174         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19175         \par
19176         \penalty\@highpenalty
19177     \endgroup
19178 \fi
19179 }
19180
19181 \bidi@undef\scr@dte@def@l@largetocline
19182 \bidi@undef\scr@dte@largetocline@init
19183 \DeclareTOCEntryStyle{largetocline}{%
19184     \DefineTOCEntryLengthOption{indent}%
19185     {scr@tso@}{@indent}{entry indent}%
19186     \@ifundefined{#1tocdepth}{%
19187         \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19188             \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19189                 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19190                     \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19191                         \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%

```



```

19192 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19193 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19194 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19195 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19196 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19197 \csname #1numdepth\endcsname
19198 }%
19199 }%
19200 }%
19201 }%
19202 }%
19203 }%
19204 }%
19205 }%
19206 }%
19207 }{}%
19208 \@ifundefined{scr@tso@#1@indent}{%
19209 \@ifundefined{scr@#1@tocindent}{%
19210 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19211 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19212 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19213 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19214 \scr@ifundefinedorrelax{1@chapter}{%
19215 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19216 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19217 \ifstr{#1}{subsubsection}{%
19218 \@namedef{scr@tso@#1@indent}{3.8em}%
19219 }%
19220 \ifstr{#1}{paragraph}{%
19221 \@namedef{scr@tso@#1@indent}{7em}%
19222 }%
19223 \ifstr{#1}{subparagraph}{%
19224 \@namedef{scr@tso@#1@indent}{10em}%
19225 }%
19226 }%
19227 }%
19228 }%
19229 }%
19230 }%
19231 }{%
19232 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19233 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19234 \ifstr{#1}{subsubsection}{%
19235 \@namedef{scr@tso@#1@indent}{7.0em}%
19236 }%
19237 \ifstr{#1}{paragraph}{%
19238 \@namedef{scr@tso@#1@indent}{10em}%
19239 }%
19240 \ifstr{#1}{subparagraph}{%
19241 \@namedef{scr@tso@#1@indent}{12em}%

```



```

19242         }{%
19243     }%
19244 }%
19245 }%
19246 }%
19247 }%
19248 }%
19249 }%
19250 }%
19251 }%
19252 }%
19253 }{%
19254     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19255 }%
19256 }{%
19257 }{%
19258     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19259     \ifnum \@nameuse{#1tocdepth}<\@ne
19260         \scr@ifundefinedorrelax{chapter}{%
19261             \addpenalty\@secpenalty
19262             \addvspace{2.25em \@plus\p@}%
19263         }{%
19264             \addpenalty{-\@highpenalty}%
19265             \addvspace{2.25em \@plus\p@}%
19266         }%
19267     \else
19268         \addpenalty\@secpenalty
19269         \addvspace{2.25em \@plus\p@}%
19270     \fi
19271     \setlength\@tempdima{3em}%
19272     \begingroup
19273         \parindent \z@ \bidi@rightskip \@pnumwidth
19274         \parfillskip -\@pnumwidth
19275         \leavevmode
19276         \large
19277         \bfseries
19278         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19279         ##1%
19280         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19281         \par
19282         \nobreak
19283         \ifnum 0=
19284             \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19285             \global\@nobreaktrue
19286             \everypar{\global\@nobreakfalse\everypar{}}%
19287         \fi
19288     \endgroup
19289 \fi
19290 }
19291

```



```

19292 \renewcommand*{\scr@dte@tocline}[3]{%
19293   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19294   \else
19295     \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19296     \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19297     {%
19298       \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19299       \bidi@rightskip \@tocrmarg
19300       \parfillskip -\bidi@rightskip
19301       \@nameuse{Ifscr@tso@#1@raggedpage}{%
19302         \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19303       }{}%
19304       \parindent \@nameuse{scr@tso@#1@indent}\relax
19305       \@afterindenttrue
19306       \interlinepenalty\@M
19307       \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19308         \addtolength\bidi@rightskip\@flushglue
19309       \else
19310         \def\reserved@a{\raggedright}%
19311         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19312         \addtolength\bidi@rightskip\@flushglue
19313       \else
19314         \renewcommand\reserved@a{\raggedright}%
19315         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19316         \addtolength\bidi@rightskip\@flushglue
19317       \fi
19318     \fi
19319   \fi
19320   \leavevmode
19321   \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19322   \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19323     \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
19324       \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19325         \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19326       \fi
19327     }%
19328   }{}%
19329   \advance\bidi@leftskip \@tempdima
19330   \null\nobreak\hskip -\bidi@leftskip
19331   {%
19332     \usetocbasicnumberline
19333     \let\scr@dte@numberline@box\numberline@box
19334     \def\numberline@box##1{%
19335       \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19336     \global\scr@dte@tocline@numberwidth
19337     \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19338     \ifdim \scr@dte@tocline@numberwidth
19339       >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19340     \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19341   \fi

```



```

19342 \nameuse{Ifscr@tso@#1@dynnumwidth}}{%
19343 \ifdim \scr@dte@tocline@numberwidth
19344 >\dimexpr \nameuse{scr@tso@#1@numwidth}%
19345 +\nameuse{scr@tso@#1@numsep}\relax
19346 \PackageWarning{tocbasic%
19347 }{%
19348 number width of #1 toc entries should be
19349 increased!\MessageBreak
19350 Currently used number width =
19351 \the\wd\scr@dte@tocline@numbox,\MessageBreak
19352 Wanted number separation
19353 \space\space\space =
19354 \the\dimexpr\nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19355 Reserved number width \space\space\space\space\space =
19356 \the\dimexpr\nameuse{scr@tso@#1@numwidth}\relax%
19357 }%
19358 \fi
19359 }%
19360 \scr@dte@numberline@box{\nameuse{scr@tso@#1@numberformat}}{##1}}%
19361 \nameuse{Ifscr@tso@#1@breakafternumber}}{%
19362 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
19363 }{}%
19364 }%
19365 \nameuse{scr@tso@#1@entryformat}}{%
19366 #2%
19367 \nobreak
19368 {%
19369 \normalfont\normalsize\nameuse{scr@tso@#1@linefill}}%
19370 \nobreak
19371 \nameuse{scr@tso@#1@pagenumberbox}}{%
19372 \nameuse{scr@tso@#1@pagenumberformat}}{#3}%
19373 }%
19374 }%
19375 \@par
19376 }%
19377 }%
19378 }%
19379 \tocbasic@SetPenaltyByTOCLevel{#1}%
19380 \fi
19381 }
19382
19383 \bidi@undef\scr@dte@def@1@tocline
19384 \bidi@undef\scr@dte@tocline@init
19385 \DeclareTOCEntryStyle{tocline}[{%
19386 \DefineTOCEntryLengthOption{beforeskip}%
19387 {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19388 \DefineTOCEntryIfOption{breakafternumber}%
19389 {scr@tso@}{@breakafternumber}{line break after number flag}%
19390 \DefineTOCEntryIfOption{dynnumwidth}%
19391 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%

```



```

19392 \DefineTOCEntryCommandOption{entryformat}%
19393   {scr@tso@}{@entryformat}[1]{entry format}%
19394 \DefineTOCEntryCommandOption{entrynumberformat}%
19395   {scr@tso@}{@numberformat}[1]{entry number format}%
19396 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19397   {scr@tso@}{@linefill}{filling between text and page number}%
19398 \DefineTOCEntryLengthOption{numsep}%
19399   {scr@tso@}{@numsep}{entry number separation}%
19400 \DefineTOCEntryCommandOption{onstarthigherlevel}%
19401   {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19402 \DefineTOCEntryCommandOption{onstartlowerlevel}%
19403   {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19404 \DefineTOCEntryCommandOption{onstartsamelevel}%
19405   {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19406 \DefineTOCEntryCommandOption{pagenumberbox}%
19407   {scr@tso@}{@pagenumberbox}[1]{page number box}%
19408 \DefineTOCEntryCommandOption{pagenumberformat}%
19409   {scr@tso@}{@pagenumberformat}[1]{page number format}%
19410 \DefineTOCEntryOption{raggedentrytext}[true]{%
19411   \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19412   \ifx\FamilyKeyState\FamilyKeyStateProcessed
19413     \if@tempswa
19414       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19415       \raggedright
19416     \else
19417       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19418       \relax
19419     \fi
19420   \fi
19421 }%
19422 \DefineTOCEntryIfOption{raggedpagenumber}%
19423   {scr@tso@}{@raggedpage}{page number ragged flag}%
19424 \DefineTOCEntryLengthOption{indent}%
19425   {scr@tso@}{@indent}{entry indent}%
19426 \DefineTOCEntryLengthOption{numwidth}%
19427   {scr@tso@}{@numwidth}{entry number width}%
19428 \scr@ifundefinedorrelax{#1tocdepth}{%
19429   \ifstrstart{#1}{sub}{%
19430     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19431       \expandafter\edef\csname #1tocdepth\endcsname{%
19432         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19433       }%
19434     }%
19435   }-{}%
19436 }{}%
19437 \@ifundefined{#1tocdepth}{%
19438   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19439     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19440       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19441         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%

```




```

19442 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19443 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19444 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19445 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19446 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19447 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19448 \csname #1numdepth\endcsname
19449 }%
19450 }%
19451 }%
19452 }%
19453 }%
19454 }%
19455 }%
19456 }%
19457 }%
19458 }{}%
19459 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19460 \@ifundefined{scr@#1@tocindent}{%
19461 \ifstrstart{#1}{sub}{%
19462 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19463 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
19464 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19465 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19466 \relax
19467 }%
19468 }%
19469 }{%
19470 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
19471 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19472 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19473 \relax
19474 }%
19475 }{%
19476 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19477 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19478 +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19479 \relax
19480 }%
19481 }%
19482 }%
19483 }{}%
19484 }{%
19485 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19486 }%
19487 }{}%
19488 \@ifundefined{scr@tso@#1@indent}{%
19489 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19490 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19491 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%

```



```

19492 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19493 \scr@ifundefinedorrelax{l@chapter}{%
19494 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19495 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19496 \ifstr{#1}{subsubsection}{%
19497 \@namedef{scr@tso@#1@indent}{3.8em}%
19498 }{%
19499 \ifstr{#1}{paragraph}{%
19500 \@namedef{scr@tso@#1@indent}{7em}%
19501 }{%
19502 \ifstr{#1}{subparagraph}{%
19503 \@namedef{scr@tso@#1@indent}{10em}%
19504 }{%
19505 }%
19506 }%
19507 }%
19508 }%
19509 }%
19510 }{%
19511 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19512 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19513 \ifstr{#1}{subsubsection}{%
19514 \@namedef{scr@tso@#1@indent}{7.0em}%
19515 }{%
19516 \ifstr{#1}{paragraph}{%
19517 \@namedef{scr@tso@#1@indent}{10em}%
19518 }{%
19519 \ifstr{#1}{subparagraph}{%
19520 \@namedef{scr@tso@#1@indent}{12em}%
19521 }{%
19522 }%
19523 }%
19524 }%
19525 }%
19526 }%
19527 }%
19528 }%
19529 }%
19530 }%
19531 }%
19532 }{}%
19533 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19534 \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19535 \ifstrstart{#1}{sub}{%
19536 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19537 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19538 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19539 +.9em%
19540 \relax
19541 }%

```



```

19542     }%
19543   }{}%
19544 }{%
19545   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19546 }%
19547 }{}%
19548 \@ifundefined{scr@tso@#1@numwidth}{%
19549   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19550     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19551       \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19552         \scr@ifundefinedorrelax{chapter}{%
19553           \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19554             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19555               \ifstr{#1}{subsubsection}{%
19556                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19557               }{%
19558                 \ifstr{#1}{paragraph}{%
19559                   \@namedef{scr@tso@#1@numwidth}{4.1em}%
19560                 }{%
19561                   \ifstr{#1}{subparagraph}{%
19562                     \@namedef{scr@tso@#1@numwidth}{5em}%
19563                   }{%
19564                     }%
19565                   }%
19566                 }%
19567               }%
19568             }%
19569           }{}%
19570         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19571           \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19572             \ifstr{#1}{subsubsection}{%
19573               \@namedef{scr@tso@#1@numwidth}{3.1em}%
19574             }{%
19575               \ifstr{#1}{paragraph}{%
19576                 \@namedef{scr@tso@#1@numwidth}{5em}%
19577               }{%
19578                 \ifstr{#1}{subparagraph}{%
19579                   \@namedef{scr@tso@#1@numwidth}{6em}%
19580                 }{%
19581                   }%
19582                 }%
19583               }%
19584             }%
19585           }%
19586         }%
19587       }%
19588     }%
19589   }{}%
19590 }{}%
19591 \expandafter\renewcommand%

```



```

19592 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19593 \expandafter\renewcommand%
19594 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19595 \expandafter\renewcommand%
19596 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19597 \@ifundefined{scr@tso@#1@beforeskip}{%
19598   \ifstr{#1}{part}{%
19599     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19600   }{%
19601     \ifstr{#1}{chapter}{%
19602       \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19603     }{%
19604       \ifstr{#1}{section}{%
19605         \scr@ifundefinedorrelax{1@chapter}{%
19606           \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19607         }{}%
19608       }{}%
19609     }%
19610   }%
19611   \expandafter\renewcommand\expandafter*%
19612   \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19613 }{}%
19614 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19615   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19616   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19617 }{}%
19618 \renewcommand*{\scr@dte@donumwidth}{}%
19619 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19620 \expandafter\renewcommand\expandafter*%
19621 \csname scr@tso@#1@numsep\endcsname{.4em}%
19622 \expandafter\renewcommand%
19623 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19624 \ifstr{#1}{part}{%
19625   \expandafter\renewcommand%
19626   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19627 }{%
19628   \ifstr{#1}{chapter}{%
19629     \expandafter\renewcommand%
19630     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19631   }{%
19632     \scr@ifundefinedorrelax{1@chapter}{%
19633       \ifstr{#1}{section}{%
19634         \expandafter\renewcommand%
19635         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19636       }{}%
19637     }{}%
19638     \expandafter\renewcommand%
19639     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19640   }%
19641 }%

```



```

19642 \expandafter\renewcommand
19643 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19644 \@ifundefined{scr@tso@#1@linefill}{%
19645   \ifstr{#1}{part}{%
19646     \@namedef{scr@tso@#1@linefill}{\hfill}%
19647   }{%
19648     \ifstr{#1}{chapter}{%
19649       \@namedef{scr@tso@#1@linefill}{\hfill}%
19650     }{%
19651       \scr@ifundefinedorrelax{1@chapter}{%
19652         \ifstr{#1}{section}{%
19653           \@namedef{scr@tso@#1@linefill}{\hfill}%
19654         }{}
19655       }{}
19656       \expandafter\renewcommand%
19657       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19658     }%
19659   }%
19660 }{}%
19661 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19662 \ifstr{#1}{part}{%
19663   \expandafter\renewcommand%
19664   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19665 }{%
19666   \expandafter\renewcommand%
19667   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19668     {\normalfont\normalcolor ##1}}%
19669 }%
19670 \expandafter\renewcommand%
19671 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19672   \hb@xt@\@pnumwidth{\hfil ##1}}%
19673 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
19674 }}{%
19675   \scr@dte@tocline{#1}{##1}{##2}%
19676 }
19677

```

122 File tocstyle-xetex-bidi.def

```

19678 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19679 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19680   \let\numberline\tocstyle@numberline
19681   \ifnum #1>\c@tocdepth \else
19682     \if@tocstyle@penalties
19683       \begingroup
19684         \@tempcnta 20010
19685         \advance \@tempcnta by -#1
19686         \ifnum \@tempcnta>\lastpenalty
19687           \aftergroup\penalty\aftergroup\@lowpenalty
19688         \fi

```



```

19689     \endgroup
19690 \fi
19691 \edef\tocstyledepth{#1}%
19692 \tocstyle@activate@features
19693 \ifx\tocstyle@feature@entryvskip\relax
19694     \vskip \z@ \@plus.2\p@
19695 \else
19696     \advspace{\tocstyle@feature@entryvskip}%
19697 \fi
19698 {%
19699     \parskip \z@ \parindent \z@ \ifRTL\righskip\else\leftskip\fi \z@ \ifRTL\leftskip\else
19700     \tocstyle@feature@raggedhook
19701     \@tempdima #3\relax
19702     \@tempdimb #2\relax
19703     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19704     \ifnum #1>\z@\relax
19705         \@tempcnta #1\relax \advance\@tempcnta \m@ne
19706         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19707             \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19708                 \@tempdimb
19709                 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19710                 \advance\@tempdimb
19711                 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19712             \fi
19713         \fi
19714     \fi
19715     \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19716     \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
19717         \ifdim \@tempdimb>
19718             \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
19719             \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19720                 @#1\endcsname{\the\@tempdimb}%
19721         \fi
19722     \else
19723         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19724             @#1\endcsname{\the\@tempdimb}%
19725     \fi
19726     \iftocstyle@autolength
19727         \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19728             \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19729             \relax
19730         \fi
19731         \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19732             \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19733             \relax
19734         \fi
19735         \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19736         \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19737     \else
19738         \@tempdimb #2\relax

```



```

19739      \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19740    \fi
19741    \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
19742      \ifdim \@tempdima>
19743        \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
19744        \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19745          @\endcsname{\the\@tempdima}%
19746      \fi
19747    \else
19748      \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19749        @\endcsname{\the\@tempdima}%
19750    \fi
19751    \ifcase\tocstyle@indentstyle\relax\else
19752      \@tempdimb \z@
19753      \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19754        \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19755        \relax
19756      \fi
19757      \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19758      \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19759    \fi
19760    \advance\parindent \@tempdimb\@afterindenttrue
19761    \advance\if@RTL\rightskip\else\leftskip\fi \parindent
19762    \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
19763    \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19764    \ifx\tocstyle@feature@parfillskip\relax\else
19765      \advance\parfillskip \tocstyle@feature@parfillskip\relax
19766    \fi
19767    \interlinepenalty\@M
19768    \leavevmode
19769    \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
19770    \null\nobreak
19771    \iftocstyle@indentnotnumbered\else
19772      \hskip -\if@RTL\rightskip\else\leftskip\fi
19773    \fi
19774    \tocstyle@feature@entryhook
19775    {#4}\nobreak
19776    \ifx\tocstyle@feature@leaders\relax
19777      \leaders\hbox{$\m@th
19778        \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
19779        \mkern \@dotsep mu$}\hfill
19780    \else
19781      \tocstyle@feature@leaders
19782    \fi
19783    \nobreak
19784    \ifx\tocstyle@feature@pagenumberbox\relax
19785      \hbxt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
19786    \else
19787      \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
19788    \fi

```



```

19789 \par
19790 }%
19791 \if@tocstyle@penalties
19792 \bgroup
19793 \@tempcnta 20009
19794 \advance\@tempcnta by -#1
19795 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
19796 \reserved@a
19797 \fi
19798 \fi}
19799 \renewcommand*{\tocstyle@numberline}[1]{%
19800 \begingroup
19801 \ifx\tocstyle@feature@spaceafternumber\relax
19802 \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
19803 \else
19804 \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
19805 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
19806 \fi
19807 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
19808 \ifdim \@tempdima >
19809 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
19810 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19811 @\tocstyledepth\endcsname{\the\@tempdima}%
19812 \fi
19813 \else
19814 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19815 @\tocstyledepth\endcsname{\the\@tempdima}%
19816 \fi
19817 \endgroup
19818 \iftocstyle@indentnotnumbered
19819 \hskip -\if@RTL\rightskip\else\leftskip\fi
19820 \fi
19821 \ifcase \tocstyle@indentstyle
19822 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19823 \or
19824 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19825 \else
19826 \ifx\tocstyle@feature@spaceafternumber\relax
19827 \hbox{\tocstyle@@numberline{#1}\enskip}%
19828 \else
19829 \hbox{\tocstyle@@numberline{#1}\hskip
19830 \tocstyle@feature@spaceafternumber\relax}%
19831 \fi
19832 \fi
19833 }
19834 \AtBeginDocument{%
19835 \ifcsname l@part\endcsname
19836 \ifcsname l@chapter\endcsname
19837 \setbox\@tempboxa\vbox{\hsize\maxdimen
19838 \l@part{\tocstyle@l@define{part}{-1}}{}}%

```




```

19839 \else
19840 \setbox\@tempboxa\vbox{\hsize\maxdimen
19841 \l@part{\tocstyle@l@define{part}{0}}{}}%
19842 \fi
19843 \fi
19844 \ifcsname l@chapter\endcsname
19845 \setbox\@tempboxa\vbox{\hsize\maxdimen
19846 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19847 \fi
19848 \ifcsname l@section\endcsname
19849 \setbox\@tempboxa\vbox{\hsize\maxdimen
19850 \l@section{\tocstyle@l@define{section}{1}}{}}%
19851 \fi
19852 \ifcsname l@subsection\endcsname
19853 \setbox\@tempboxa\vbox{\hsize\maxdimen
19854 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19855 \fi
19856 \ifcsname l@subsubsection\endcsname
19857 \setbox\@tempboxa\vbox{\hsize\maxdimen
19858 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19859 \fi
19860 \ifcsname l@paragraph\endcsname
19861 \setbox\@tempboxa\vbox{\hsize\maxdimen
19862 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19863 \fi
19864 \ifcsname l@subparagraph\endcsname
19865 \setbox\@tempboxa\vbox{\hsize\maxdimen
19866 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19867 \fi
19868 \ifcsname l@table\endcsname
19869 \setbox\@tempboxa\vbox{\hsize\maxdimen
19870 \l@table{\tocstyle@l@define{table}{1}}{}}%
19871 \fi
19872 \ifcsname l@figure\endcsname
19873 \setbox\@tempboxa\vbox{\hsize\maxdimen
19874 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
19875 \fi
19876 \def\@tempa#1#2#3#4#5{%
19877 \ifnum #1>\c@tocdepth \else
19878 \vskip \z@ \@plus.2\p@
19879 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
19880 \parindent #2\relax\@afterindenttrue
19881 \interlinepenalty\@M
19882 \leavevmode
19883 \@tempdima #3\relax
19884 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19885 {#4}\nobreak
19886 \leaders\hbox{$\m@th
19887 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19888 mu$}\hfill

```



```

19889      \nobreak
19890      \hb@xt@{\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
19891      \par}%
19892      \fi}%
19893 \ifx\@dottedtocline\@tempa\else
19894   \tocstyle@macrochangewarning\@dottedtocline
19895 \fi
19896 \let\tocstyle@saved@dottedtocline\@dottedtocline
19897 \def\@tempa#1{\hb@xt@{\@tempdima{#1\autodot\hfil}}}%
19898 \ifx\numberline\@tempa\else
19899   \def\@tempa#1{\hb@xt@{\@tempdima{#1\hfil}}}%
19900   \ifx\numberline\@tempa\else
19901     \tocstyle@macrochangewarning\numberline
19902   \fi
19903 \fi
19904 \let\tocstyle@saved@numberline\numberline
19905 }
19906 \renewcommand*{\tocstyle@l@define}[2]{%
19907   \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
19908   \edef\@tempa{%
19909     \noexpand\global\noexpand\let
19910     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19911     \expandafter\noexpand\csname l@#1\endcsname
19912     \noexpand\gdef
19913     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19914       \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
19915       \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
19916         \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19917         \expandafter\noexpand\csname tocstyle@l@#1\endcsname
19918       }%
19919     }%
19920   \PackageInfo{tocstyle}{prepare \expandafter\string
19921     \csname l@#1\endcsname\space for redefinition}%
19922   \@tempa
19923 }

```

123 File todonotes-xetex-bidi.def

```

19924 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
19925 \newif\if@bidi@todonotes@textdirection@RTL
19926 \newif\if@bidi@todonotes@figposition@right
19927 \newcommand{\@bidi@todonotes@align}{}%
19928 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
19929 \newcommand{\@bidi@todonotes@textdirection}{}%
19930 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right|left|center}
19931 \ifcase\@bidi@todonotes@tempb\relax
19932   \@bidi@todonotes@textdirection@RTLtrue
19933   \let\@bidi@todonotes@textdirection@RLE
19934 \or
19935   \@bidi@todonotes@textdirection@RTLfalse

```



```

19936 \let\@bidi@todonotes@textdirection\LRE
19937 \fi}
19938 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,1
19939 \ifcase\bidi@todonotes@tempb\relax
19940 \@bidi@todonotes@figposition@righttrue
19941 \or
19942 \@bidi@todonotes@figposition@rightfalse
19943 \fi}
19944 \if@todonotes@disabled%
19945 \else % \if@todonotes@disabled
19946 \renewcommand{\@todonotes@drawInlineNote}{%
19947 \if@todonotes@dviStyle%
19948 {\par\noindent\begin{tikzpicture}[remember picture]%
19949 \draw node[inline notestyle] {};\end{tikzpicture}\par}%
19950 \if@todonotes@authorgiven%
19951 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19952 \else%
19953 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19954 \fi
19955 {\par\noindent\begin{tikzpicture}[remember picture]%
19956 \draw node[inline notestyle] {};\end{tikzpicture}\par}%
19957 \else%
19958 {\par\noindent\begin{tikzpicture}[remember picture]%
19959 \if\bidi@todonotes@textdirection@RTL\setRTL\fi%
19960 \draw node[inline notestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
19961 \if@todonotes@authorgiven%
19962 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19963 \else%
19964 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19965 \fi};%
19966 \end{tikzpicture}\par}%
19967 \fi}%
19968 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
19969 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
19970 \node [coordinate] (inText) {};%
19971 \end{tikzpicture}%
19972 \marginpar[{}]{% Draw note in left margin
19973 \@todonotes@drawMarginNote%
19974 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
19975 }]{% Draw note in right margin
19976 \@todonotes@drawMarginNote%
19977 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
19978 }%
19979 }%
19980 \renewcommand{\@todonotes@drawMarginNote}{%
19981 \if@todonotes@dviStyle%
19982 \begin{tikzpicture}[remember picture]%
19983 \draw node[notestyle] {};%
19984 \end{tikzpicture}\\%
19985 \begin{minipage}{\@todonotes@textwidth}%

```



```

19986 \if@todonotes@authorgiven%
19987 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
19988 \else%
19989 \@todonotes@sizecommand \@todonotes@text%
19990 \fi%
19991 \end{minipage}}\%
19992 \begin{tikzpicture}[remember picture]%
19993 \draw node[notestyle] (inNote) {};%
19994 \end{tikzpicture}%
19995 \else%
19996 \let\originalHbadness\hbadness%
19997 \hbadness 100000%
19998 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
19999 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20000 \node(X){\vphantom{X}};%
20001 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20002 \if@todonotes@authorgiven%
20003 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand \@todonotes@author};%
20004 \node(Y)[below=of X]{};%
20005 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20006 \else%
20007 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20008 \fi%
20009 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20010 \fi%
20011 \end{tikzpicture}%
20012 \hbadness \originalHbadness%
20013 \fi}%
20014 \renewcommand{\missingfigure}[2][]{%
20015 \setkeys{todonotes}{#1}%
20016 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20017 \par
20018 \noindent
20019 \begin{tikzpicture}
20020 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20021 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20022 \if@bidi@todonotes@figposition@right%
20023 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20024 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20025 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20026 \if@bidi@todonotes@figposition@right%
20027 \end{scope}
20028 \begin{scope}[xshift=-3.8cm]
20029 \draw (2, -0.3) node[right, text
20030 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};

```



```

20036 \if@bidi@todonotes@figposition@right%
20037 \end{scope}
20038 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20039 \fi%
20040 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20041 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20042 \if@bidi@todonotes@figposition@right%
20043 \end{scope}
20044 \fi%
20045 \end{tikzpicture}}\hfill
20046 }% Ending \missingfigure command
20047 \fi % Ending \@todonotes@ifdisabled
20048 \presetkeys%
20049     {todonotes}%
20050     {align=left,%
20051     textdirection=lefttoright,%
20052     figposition=left}{}%

```

124 File wrapfig-xetex-bidi.def

```

20053 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20054 \let\WF@everypar\bidi@n@everypar
20055 \def\WF@putfigmaybe{%
20056 \ifinner
20057   \vskip-\parskip \global\WF@floatfalse
20058   \let\pagetotal\maxdimen % kludge flag for "not top of page"
20059 \else % outer page
20060   \@tempdima\pagedepth % save page depth
20061   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20062   \penalty\interlinepenalty % update pg. parameters
20063   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20064   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20065     \global\WF@floatfalse
20066     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20067   \else
20068     \ifdim\WF@size>\@tempdimb
20069       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20070       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20071       \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20072       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20073       \advance\dimen@.5\baselineskip
20074       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20075         \global\WF@floatfalse \pagebreak
20076       \fi
20077     \else % \WF@info{Fits in \the\@tempdimb;}%
20078       \global\WF@floatfalse
20079     \fi\fi
20080   \vskip\@tempdima\relax % (return erased page depth)
20081 \fi
20082 \noindent

```



```

20083 \ifWF@float
20084   \WF@fltnes
20085 \else % putting here;
20086   \WF@info{Put \WF@wfname here:}%
20087   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
20088     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20089     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20090 \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
20091   \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20092   \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20093   \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20094   \xdef\WF@adlwl{\the\@tempdima}%
20095   \ifnum `l=\WF@place % fig on left
20096     \if@RTL%
20097       \kern\@tempdimb \kern\columnsep
20098       \def\@tempa{\hss}% position to left of the gap
20099       \else%
20100       \hss % figure overlaps space to the left
20101       \def\@tempa{\kern\columnsep}% position to left of the gap
20102       \fi%
20103   \else % fig on right
20104     \if@RTL%
20105       \hss
20106       \@tempdima\z@
20107       \def\@tempa{\kern\columnsep}
20108       \else%
20109       \@tempdima\z@ % no left indentation
20110       \kern\@tempdimb \kern\columnsep
20111       \def\@tempa{\hss}% figure overlaps space to the right
20112       \fi%
20113   \fi
20114   \ifdim\@tempdimb<\hsize
20115     \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20116     \xdef\WF@adlml{\the\@tempdima}%
20117   \else
20118     \xdef\WF@wrapil{\z@ \the\hsize}%
20119     \xdef\WF@adlwl{\z@}\xdef\WF@adlml{\z@}%
20120   \fi
20121   \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20122     \global\advance\WF@size-\intextsep
20123   \else % \WF@info{Putting \WF@wfname in middle of page}%
20124     \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20125     \fi \dp\WF@box\z@ \box\WF@box \@tempa
20126   }% end \hbox to Opt
20127   \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20128 \fi}

```

125 File xcolor-xetex-bidi.def

20129 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for X



```

20130 \long\def\color@b@x#1#2#3%
20131 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20132 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20133 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20134 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20135 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
20136 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20137 \DeclareRobustCommand\color
20138 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}
20139 \def\@undeclaredcolor[#1]#2%
20140 {\begingroup
20141 \let\@cls\@empty
20142 \XC@getmodclr12{#1}{#2}{}%
20143 {\ifblendcolors
20144 \ifx\colorblend\@empty\else
20145 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20146 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
20147 \fi
20148 \fi
20149 \ifconvertcolorsU
20150 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20151 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20152 \fi
20153 \ifmaskcolors
20154 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20155 \let\@mod\XC@mmod
20156 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20157 \expandafter\XC@mul\@tmp,\@clr
20158 \fi
20159 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20160 \expandafter\endgroup\@tmp}}
20161 \def\@declaredcolor#1%
20162 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
20163 \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
20164 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20165 \ifconvertcolorsU\XC@tsttrue\fi
20166 \fi
20167 \ifXC@@tst
20168 \expandafter\XC@declaredcolor\else
20169 \expandafter\XC@declaredcolor\fi}
20170 \def\XC@undeclaredcolor#1#2%
20171 {\@ifundefinedmodel{#1}%
20172 {\c@lor@error{model `#1'}}%
20173 {\@nameuse{color@#1}\current@color{#2}}%
20174 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
20175 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20176 \def\XC@declaredcolor
20177 {\XC@let@Nc\XC@current@color{\string\color\XC@tmp}%
20178 \edef\current@color{\XC@current@color}%
20179 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}

```



```

20180 \DeclareRobustCommand\bidicolor
20181 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20182 \def\@bidiundeclaredcolor[#1]#2%
20183 {\begingroup
20184 \let\@@cls\@empty
20185 \XC@getmodclr12{#1}{#2}{}%
20186 {\ifblendcolors
20187 \ifx\colorblend\@empty\else
20188 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20189 \XC@coremodel\@mod\@@clr\@xcolor@{}}\@mod\@@clr
20190 \fi
20191 \fi
20192 \ifconvertcolorsU
20193 \edef\@tmp{\XC@tgtmod{\@mod}}%
20194 \convertcolorspec\@mod\@@clr\@tmp\@@clr \let\@mod\@tmp
20195 \fi
20196 \ifmaskcolors
20197 \convertcolorspec\@mod\@@clr\XC@mmod\@@clr
20198 \let\@mod\XC@mmod
20199 \XC@inflate\@mod\XC@mclr\@@clr\@tmp
20200 \expandafter\XC@mul\@tmp,\@@clr
20201 \fi
20202 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@@clr}}%
20203 \expandafter\endgroup\@tmp}}
20204 \def\XC@bidiundeclaredcolor#1#2%
20205 {\@ifundefinedmodel{#1}%
20206 {\c@lor@error{model `#1'}}%
20207 {\@nameuse{color@#1}\current@color{#2}%
20208 \edef\XC@current@color{\noexpand\xcolor@{}}{\current@color}{#1}{#2}}%
20209 \XC@display}}
20210 \def\@bidideclaredcolor#1%
20211 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20212 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20213 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20214 \ifconvertcolorsU\XC@tsttrue\fi
20215 \fi
20216 \ifXC@tst
20217 \expandafter\XC@bidideclaredcolor\else
20218 \expandafter\XC@bidideclaredc@lor\fi}
20219 \def\XC@bidideclaredcolor
20220 {\XC@split\XC@tmp
20221 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@@clr}}%
20222 \expandafter\endgroup\@tmp}
20223 \def\XC@bidideclaredc@lor
20224 {\XC@let@Nc\XC@current@color{\string\color\@XC@tmp}%
20225 \edef\current@color{\XC@current@color}%
20226 \XC@display}
20227 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20228 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20229 \def\color@fb@x#1#2#3#4%

```




```

20230 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
20231 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20232 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

126 File latex-xetex-bidi.def

```

20233 \ProvidesFile{latex-xetex-bidi.def}[2017/12/29 v1.3.2 bidi adaptations for `latex.ltx' for Xe
20234 \newcommand{\TeXeTOn}{\TeXeTstate=1 }
20235 \newcommand{\TeXeTOff}{\TeXeTstate=0 }
20236 \TeXeTOn
20237 \def\bid@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\
20238 \let\bid@o@everypar=\everypar
20239 \newtoks\bid@n@everypar
20240 \bid@n@everypar\expandafter{\the\bid@o@everypar}
20241 \bid@o@everypar{\bid@RTL@everypar\the\bid@n@everypar}
20242 \let\everypar=\bid@n@everypar
20243 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20244 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20245 \protected\def\hboxR{\hbox\bgroup
20246 \everyhbox{%
20247 \aftergroup\egroup
20248 \everyhbox{}}%
20249 \beginR
20250 \@hboxRconstructtrue
20251 \bgroup
20252 \aftergroup\endR
20253 \aftergroup\egroup
20254 }\hbox}
20255 \protected\def\hboxL{\hbox\bgroup
20256 \everyhbox{%
20257 \aftergroup\egroup
20258 \everyhbox{}}%
20259 \beginL
20260 \@hboxRconstructfalse
20261 \bgroup
20262 \aftergroup\endL
20263 \aftergroup\egroup
20264 }\hbox}
20265 \protected\def\vboxR{\vbox\bgroup
20266 \everyvbox{%
20267 \aftergroup\egroup
20268 \everyvbox{}}%
20269 \@RTLtrue
20270 \@RTLtabtrue
20271 \bgroup
20272 \aftergroup\egroup
20273 }\vbox}
20274 \protected\def\vboxL{\vbox\bgroup
20275 \everyvbox{%
20276 \aftergroup\egroup

```



```

20277 \everyvbox{}%
20278 \@RTLfalse
20279 \@RTLtabfalse
20280 \bgroup
20281 \aftergroup\egroup
20282 }\vbox}
20283 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
20284 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
20285 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20286 \def\endLTR{\par}
20287 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20288 \def\endRTL{\par}
20289 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20290 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20291 \let\unsetRTL=\setLTR
20292 \let\unsetLTR=\setRTL
20293 \let\LR=\LRE
20294 \let\RL=\RLE
20295 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20296 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20297 \let\@ensure@RL=\@ensure@RTL
20298 \let\@ensure@LR=\@ensure@LTR
20299 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20300 \let\@ensure@maindir=\@ensure@dir
20301 \def\@RTL{RTL}
20302 \def\@LTR{LTR}
20303 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20304 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
20305 \let\@TeX\TeX
20306 \def\TeX{\@ensure@LTR{\@TeX}}
20307 \let\@LaTeX\LaTeX
20308 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
20309 \let\@LaTeXe\LaTeXe
20310 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
20311 \long\def\bidi@reflect@box#1{%
20312 \leavevmode
20313 \setbox\z@\hbox{#1}%
20314 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20315 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20316 }
20317 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20318 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20319 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20320 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
20321 \let\setRL=\setRTL
20322 \let\setLR=\setLTR
20323 \let\unsetRL=\setLTR
20324 \def\bidi@tabular@RTLCases{\let\@halignto\@empty\@bidi@tabular@RTLCases}
20325 \@ifpackageloaded{array}{%
20326 \def\@bidi@tabular@RTLCases{\@RTLtabtrue%

```



```

20327 \leavevmode
20328 \hbox \bgroup $\left.\col@sep\tabcolsep \let\d@llarbegin\begin\group
20329 \let\d@llarend\end\group
20330 \@tabarray}
20331 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20332 }{%
20333 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20334 \leavevmode \hbox \bgroup
20335 $\left.\let\@acol\@tabacol
20336 \let\@classz\@tabclassz
20337 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20338
20339 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20340 \egroup\right\rbrace $\egroup}}
20341 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20342 \ialign{##\hfil$\quad{##}\hfil\crr#1\crr}}\,\right)}
20343 \renewenvironment{RTLcases}{%
20344 \bidi@matrix@check\RTLcases\env@RTLcases
20345 }{%
20346 \endbidi@tabular@RTLcases%
20347 }
20348 \def\env@RTLcases{%
20349 \let\@ifnextchar\bidi@new@ifnextchar
20350 \def\arraystretch{1.2}%
20351 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
20352 }
20353 \def\SepMark#1{\gdef\@SepMark{#1}}
20354 \SepMark{.}
20355 \def\@thmcountersep{\@SepMark}
20356 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20357 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20358 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20359 \newcommand*{\bidi@thebibliography@font@hook}{}
20360 \def\list#1#2{%
20361 \ifnum \@listdepth >5\relax
20362 \toodeep
20363 \else
20364 \global\advance\@listdepth\@ne
20365 \fi
20366 \rightmargin\z@
20367 \listparindent\z@
20368 \itemindent\z@
20369 \csname @list\romannumeral\the\@listdepth\endcsname
20370 \def\@itemlabel{#1}%
20371 \let\makelabel\@mklab
20372 \nmbrlistfalse
20373 #2\relax
20374 \@trivlist
20375 \parskip\parsep
20376 \parindent\listparindent

```



```

20377 \advance\linewidth -\rightmargin
20378 \advance\linewidth -\leftmargin
20379 \if@bidi@list@minipage@parbox
20380 \if@RTL
20381 \advance\@totalleftmargin \leftmargin
20382 \else
20383 \advance\@totalleftmargin \rightmargin
20384 \fi
20385 \else
20386 \if@hboxRconstruct
20387 \if@bidi@list@minipage@parbox@not@nob
20388 \if@RTL
20389 \advance\@totalleftmargin \rightmargin
20390 \else
20391 \advance\@totalleftmargin \leftmargin
20392 \fi
20393 \else
20394 \if@RTL
20395 \advance\@totalleftmargin \leftmargin
20396 \else
20397 \advance\@totalleftmargin \rightmargin
20398 \fi\fi
20399 \else
20400 \if@RTL
20401 \advance\@totalleftmargin \rightmargin
20402 \else
20403 \advance\@totalleftmargin \leftmargin
20404 \fi\fi\fi
20405 \parshape \@ne \@totalleftmargin \linewidth
20406 \ignorespaces}
20407 \long\def\@iiiparbox#1#2[#3]#4#5{%
20408 \leavevmode
20409 \@pboxswfalse
20410 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
20411 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
20412 \setlength\@tempdima{#4}%
20413 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20414 \ifx\relax#2\else
20415 \setlength\@tempdimb{#2}%
20416 \edef\@parboxto{to\the\@tempdimb}%
20417 \fi
20418 \if#1b\vbox
20419 \else\if #1t\top
20420 \else\ifmmode\vcenter
20421 \else\@pboxswtrue $\vcenter
20422 \fi\fi\fi
20423 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20424 \csname bm@#3\endcsname}%
20425 \if@pboxsw \m@th$\fi
20426 \@end@tempboxa}

```



```

20427 \def\ bidi@lrbox#1{%
20428   \edef\reserved@a{%
20429     \endgroup
20430     \setbox#1\hbox{%
20431       \begingroup\aftergroup}%
20432     \def\noexpand\@currentenv{\@currentenv}%
20433     \def\noexpand\@currentline{\on@line}}%
20434   \reserved@a
20435   \@endpfalse
20436   \color@begingroup
20437   \ignorespaces}
20438 \def\endbidi@lrbox{\unskip\color@endgroup}
20439 \newenvironment{LTRitems}
20440   {\par\@RTLfalse\@RTLtabfalse
20441    \if@bidi@list@minipage@parbox
20442      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20443      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20444        \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20445        \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20446        \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
20447      \ignorespaces}{\vskip\z@}
20448 \newenvironment{RTLitems}
20449   {\par\@RTLtrue\@RTLtabtrue
20450    \if@bidi@list@minipage@parbox
20451      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20452      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20453        \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20454        \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20455        \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
20456      \ignorespaces}{\vskip\z@}
20457 \newenvironment{LTRbibitems}
20458   {\par\@RTLfalse\@RTLtabfalse
20459    \if@bidi@list@minipage@parbox
20460      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20461      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20462        \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20463        \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20464        \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
20465      \ignorespaces}{\vskip\z@}
20466 \newenvironment{RTLbibitems}
20467   {\par\@RTLtrue\@RTLtabtrue
20468    \if@bidi@list@minipage@parbox
20469      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20470      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20471        \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20472        \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20473        \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
20474      \ignorespaces}{\vskip\z@}
20475 \def\raggedright{%
20476   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip

```



```

20477 \leftskip\z@skip
20478 \parindent\z@\parfillskip\z@skip}
20479 \let\bidiorig@raggedleft\raggedleft
20480 \let\bidiorig@raggedright\raggedright
20481 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidiorig@raggedright\else\if@hboxRcons
20482 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidiorig@raggedleft\else\if@hboxRcons
20483 \newcommand{\bidioraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20484 \newcommand{\bidioraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20485 \def\centerline#1{%
20486 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20487 \else\@@line{\hss#1\hss}\fi}
20488 \def\leftline#1{%
20489 \if@RTL\@@line{\beginR#1\endR\hss}
20490 \else\@@line{#1\hss}\fi}
20491 \def\rightline#1{%
20492 \if@RTL\@@line{\hss\beginR#1\endR}
20493 \else\@@line{\hss#1}\fi}
20494 \let\bidiorig@leftline\leftline
20495 \let\bidiorig@rightline\rightline
20496 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\i
20497 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
20498 \def\bidirlap#1{\hbext@z@\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20499 \def\bidillap#1{\hbext@z@\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20500 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20501 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20502 \def\narrower{%
20503 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20504 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20505 \def\underline#1{%
20506 \relax
20507 \ifmmode\@@underline{#1}%
20508 \else
20509 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20510 \else
20511 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20512 \ifcompatibility
20513 \let\underline=\underline
20514 \fi
20515 \def\@tabular{%
20516 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20517 $\let\@acol\@tabacol
20518 \let\@classz\@tabclassz
20519 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20520 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20521 \egroup $\if@RTLtab\endR\fi\egroup}
20522 \expandafter \let \csname endtabular*\endcsname = \endtabular
20523 \def\@array[#1]#2{%
20524 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20525 \bgroup
20526 \setbox\@arstrutbox\hbox{%

```



```

20527 \vrule \@height\arraystretch\ht\strutbox
20528 \@depth\arraystretch \dp\strutbox
20529 \@width\z@}%
20530 \@mkpream{#2}%
20531 \edef\@preamble{%
20532 \ialign \noexpand\@halignto
20533 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20534 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20535 \let\tabularnewline\%
20536 \let\par\@empty
20537 \let\@sharp##%
20538 \set@typeset@protect
20539 \lineskip\z@skip\baselineskip\z@skip
20540 \ifhmode \@preamerr\z@ \@@par\fi
20541 \if@RTLtab\hbox\bgroup\beginR@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
20542 \@preamble}
20543 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20544 \let\@classiv\@arrayclassiv
20545 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20546 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20547 \ifnum \@lastchclass=3 5 \else
20548 \z@ \if #1c\@chnum \z@ \else
20549 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20550 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20551 \@chclass \if #1|\@ne \else
20552 \if #1@\tw@ \else
20553 \if #1p3 \else \z@ \@preamerr 0\fi
20554 \fi \fi \fi \fi \fi \fi
20555 \fi}
20556 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20557 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20558 \def\bm@t{\unhbox\@tempboxa\hss}
20559 \def\bm@b{\hss\unhbox\@tempboxa}
20560 \def\@dottedtocline#1#2#3#4#5{%
20561 \ifnum #1>\c@tocdepth \else
20562 \vskip \z@ \@plus.2\p@
20563 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
20564 \parindent #2\relax\@afterindenttrue
20565 \interlinepenalty\@M
20566 \leavevmode
20567 \@tempdima #3\relax
20568 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righs
20569 {#4}\nobreak
20570 \leaders\hbox{$\m@th
20571 \mkern \dotsep mu\hbox{.}\mkern \dotsep
20572 mu$}\hfill
20573 \nobreak
20574 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20575 \par}%
20576 \fi}

```



```

20577
20578 \newcount\ bidi@column@check@number
20579
20580 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
20581
20582 \def\ bidi@set@column@status#1#2{%
20583   \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20584
20585 \if@twocolumn
20586 \newcommand\DetectColumn[3][1]{%
20587   \ifx\ bidi@firstcolumn@status\write\relax
20588     \PackageError{bidi}%
20589       {Option 'DetectColumn' not selected}%
20590       {\string\DetectColumn\space
20591        requires the use of the 'DetectColumn'
20592        option on the package}%
20593   \fi
20594   \global\advance\ bidi@column@check@number\@ne
20595   \edef\ bidi@column@type{\expandafter\ifx
20596     \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20597     0\else
20598     \csname bidi@column-\the\ bidi@column@check@number\endcsname
20599     \fi}%
20600   \ifcase \ bidi@column@type\relax
20601     \ifcase #1\or #2\or #3\fi    % 0 not known use first column as default
20602   \or
20603     #2%    % 1 First column
20604   \or
20605     #3%    % 2 Second (Last column)
20606   \else
20607     \ERROR
20608   \fi
20609   \edef\next{\write\@auxout
20610     {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
20611      {\ bidi@column@type}}}%
20612   \next
20613 }
20614
20615 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
20616   \ifnum #2=\ bidi@current@column@status\else
20617     \@tempwattrue
20618   \fi}%
20619 }
20620 \fi
20621
20622 \def\RTL@outputdblcol{%
20623   \if@firstcolumn
20624     \global\@firstcolumnfalse
20625     \global\setbox\@leftcolumn\copy\@outputbox
20626     \splitmaxdepth\maxdimen

```




```

20627 \vbadness\maxdimen
20628 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20629 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20630 \toks@\expandafter{\topmark}%
20631 \xdef\@firstcoltopmark{\the\toks@}%
20632 \toks@\expandafter{\splitfirstmark}%
20633 \xdef\@firstcolfirstmark{\the\toks@}%
20634 \ifx\@firstcolfirstmark\@empty
20635 \global\let\@setmarks\relax
20636 \else
20637 \gdef\@setmarks{%
20638 \let\firstmark\@firstcolfirstmark
20639 \let\topmark\@firstcoltopmark}%
20640 \fi
20641 \else
20642 \global\@firstcolumntrue
20643 \setbox\@outputbox\vbox{%
20644 \hb@xt@\textwidth{%
20645 \hskip \columnwidth
20646 \hfil
20647 {\normalcolor\vrule \@width\columnseprule}%
20648 \hfil
20649 \hb@xt@\columnwidth{%
20650 \bidi@firstcolumn@status@write%
20651 \box\@leftcolumn \hss}%
20652 \hskip -\textwidth
20653 \hb@xt@\columnwidth{%
20654 \bidi@lastcolumn@status@write%
20655 \box\@outputbox \hss}%
20656 \hskip \columnsep
20657 \hskip \columnwidth }}%
20658 \@combinedblfloats
20659 \@setmarks
20660 \@outputpage
20661 \begingroup
20662 \@dblfloatplacement
20663 \@startdblcolumn
20664 \@whilesw\if@fcolmade \fi{\@outputpage
20665 \@startdblcolumn}%
20666 \endgroup
20667 \fi}%
20668
20669 \def\LTR@outputdblcol{%
20670 \if@firstcolumn
20671 \global\@firstcolumnfalse
20672 \global\setbox\@leftcolumn\copy\@outputbox
20673 \splitmaxdepth\maxdimen
20674 \vbadness\maxdimen
20675 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20676 \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

20677 \toks@expandafter{\topmark}%
20678 \xdef\@firstcoltopmark{\the\toks@}%
20679 \toks@expandafter{\splitfirstmark}%
20680 \xdef\@firstcolfirstmark{\the\toks@}%
20681 \ifx\@firstcolfirstmark\@empty
20682   \global\let\@setmarks\relax
20683 \else
20684   \gdef\@setmarks{%
20685     \let\firstmark\@firstcolfirstmark
20686     \let\topmark\@firstcoltopmark}%
20687 \fi
20688 \else
20689   \global\@firstcolumntrue
20690   \setbox\@outputbox\vbox{%
20691     \hb@xt@\textwidth{%
20692       \hb@xt@\columnwidth{%
20693         \bidi@firstcolumn@status@write%
20694         \box\@leftcolumn \hss}%
20695       \hfil
20696       {\normalcolor\vrule \@width\columnseprule}%
20697       \hfil
20698       \hb@xt@\columnwidth{%
20699         \bidi@lastcolumn@status@write%
20700         \box\@outputbox \hss}}}%
20701 \@combinedblfloats
20702 \@setmarks
20703 \@outputpage
20704 \begingroup
20705   \@dblfloatplacement
20706   \@startdblcolumn
20707   \@whilesw\if@fcolmade \fi{\@outputpage
20708     \@startdblcolumn}%
20709 \endgroup
20710 \fi}%
20711
20712
20713 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
20714 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
20715 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
20716 \def\LTRmarginpar{%
20717   \ifhmode
20718     \bsphack
20719     \floatpenalty -\@Mii
20720   \else
20721     \floatpenalty-\@Miii
20722   \fi
20723   \ifinner
20724     \parmoderr
20725     \floatpenalty\z@
20726   \else

```



```

20727 \@next\@currbox\@freelist{ }{}%
20728 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20729 {\@floatpenalty\z@
20730 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20731 \fi
20732 \ifnextchar [\@LTRxmpar\@LTRympar}
20733 \long\def\@LTRxmpar[#1]#2{%
20734 \@LTRsavemarbox\@marbox{#1}%
20735 \@LTRsavemarbox\@currbox{#2}%
20736 \@xympar}
20737 \long\def\@LTRympar#1{%
20738 \@LTRsavemarbox\@marbox{#1}%
20739 \global\setbox\@currbox\copy\@marbox
20740 \@xympar}
20741 \long\def \@LTRsavemarbox #1#2{%
20742 \global\setbox #1%
20743 \color@vbox
20744 \vtop{%
20745 \hsize\marginparwidth
20746 \@parboxrestore
20747 \@LTRmarginparreset
20748 #2%
20749 \@minipagefalse
20750 \outer@nobreak
20751 }%
20752 \color@endbox
20753 }
20754 \def \@LTRmarginparreset {%
20755 \reset@font
20756 \normalsize
20757 \@minipagetrue
20758 \everypar{\@minipagefalse\everypar{}\beginL}%
20759 }
20760 \def\RTLmarginpar{%
20761 \ifhmode
20762 \@bsphack
20763 \@floatpenalty -\@Mii
20764 \else
20765 \@floatpenalty-\@Miii
20766 \fi
20767 \ifinner
20768 \@parmoderr
20769 \@floatpenalty\z@
20770 \else
20771 \@next\@currbox\@freelist{ }{}%
20772 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20773 {\@floatpenalty\z@
20774 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20775 \fi
20776 \@ifnextchar [\@RTLxmpar\@RTLympar}

```



```

20777 \long\def\@RTLxmpar[#1]#2{%
20778   \@RTLSavemarbox\@marbox{#1}%
20779   \@RTLSavemarbox\@currbox{#2}%
20780   \@xympar}
20781 \long\def\@RTLympar#1{%
20782   \@RTLSavemarbox\@marbox{#1}%
20783   \global\setbox\@currbox\copy\@marbox
20784   \@xympar}
20785 \long\def \@RTLSavemarbox #1#2{%
20786   \global\setbox #1%
20787     \color@vbox
20788     \vtop{%
20789       \hsize\marginparwidth
20790       \@parboxrestore
20791       \@RTLmarginparreset
20792       #2%
20793       \@minipagefalse
20794       \outer@nobreak
20795     }%
20796   \color@endbox
20797 }
20798 \def \@RTLmarginparreset {%
20799   \reset@font
20800   \normalsize
20801   \@minipagetrue
20802   \everypar{\@minipagefalse\everypar{}\beginR}%
20803 }
20804 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
20805   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
20806   \if@twocolumn
20807     \if@firstcolumn \@tempcnta\m@ne \fi
20808   \else
20809     \if@mparswitch
20810       \ifodd\c@page \else\@tempcnta\m@ne \fi
20811     \fi
20812     \if@reversemargin \@tempcnta -\@tempcnta \fi
20813   \fi
20814   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
20815   \@tempdima\@mparbottom
20816   \advance\@tempdima -\@pageht
20817   \advance\@tempdima\ht\@marbox
20818   \ifdim\@tempdima >\z@
20819     \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
20820   \else
20821     \@tempdima\z@
20822   \fi
20823   \global\@mparbottom\@pageht
20824   \global\advance\@mparbottom\@tempdima
20825   \global\advance\@mparbottom\dp\@marbox
20826   \global\advance\@mparbottom\marginparpush

```



```

20827 \advance\@tempdima -\ht\@marbox
20828 \global\setbox \@marbox
20829 \vbox {\vskip \@tempdima
20830 \box \@marbox}%
20831 \global \ht\@marbox \z@
20832 \global \dp\@marbox \z@
20833 \kern -\@pagedp
20834 \nointerlineskip
20835 \hb@xt@\columnwidth
20836 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
20837 \hskip\columnwidth \hskip\marginparsep
20838 \else
20839 \hskip -\marginparsep \hskip -\marginparwidth
20840 \fi
20841 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
20842 \nointerlineskip
20843 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
20844 \long\def\@ympar#1{%
20845 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
20846 \global\setbox\@currbox\copy\@marbox
20847 \@xympar}
20848 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20849 \def\setLTRmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20850 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
20851 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
20852 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
20853 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
20854 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
20855 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
20856 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
20857 \fi}
20858
20859 \newcommand*{\bidi@font@@@outputpage}{\}
20860
20861 \def\@outputpage{%
20862 \begingroup % the \endgroup is put in by \aftergroup
20863 \let \protect \noexpand
20864 \@resetactivechars
20865 \global\let\@@if@newlist\if@newlist
20866 \global\@newlistfalse
20867 \@parboxrestore
20868 \shipout \vbox{%
20869 \set@typeset@protect
20870 \aftergroup \endgroup
20871 \aftergroup \set@typeset@protect
20872 % correct? or just restore by ending
20873 % the group?
20874 \if@specialpage
20875 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
20876 \fi

```



```

20877 \if@twoside
20878 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
20879 \if@RTLmain
20880 \let\@themargin\evensidemargin
20881 \else
20882 \let\@themargin\oddsidemargin
20883 \fi
20884 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
20885 \if@RTLmain
20886 \let\@themargin\oddsidemargin
20887 \else
20888 \let\@themargin\evensidemargin
20889 \fi
20890 \fi
20891 \ifx\@thehead\@empty \let\@thehead\hfil \fi
20892 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
20893 \else %% not @twoside
20894 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
20895 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
20896 \fi
20897 \reset@font
20898 \normalsize
20899 \bidi@font@@outputpage
20900 \normalsfcodes
20901 \let\label\@gobble
20902 \let\index\@gobble
20903 \let\glossary\@gobble
20904 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
20905 \@begindvi
20906 \vskip \topmargin
20907 \moveright\@themargin \vbox {%
20908 \setbox\@tempboxa \vbox to\headheight{%
20909 \vfil
20910 \color@hbox
20911 \normalcolor
20912 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
20913 \color@endbox
20914 }% %% 22 Feb 87
20915 \dp\@tempboxa \z@
20916 \box\@tempboxa
20917 \vskip \headsep
20918 \box\@outputbox
20919 \ifvoid\@bidi@copyins@
20920 \else
20921 \vskip\skip\@bidi@copyins@
20922 \unvbox\@bidi@copyins@
20923 \fi
20924 \baselineskip \footskip
20925 \color@hbox
20926 \normalcolor

```



```

20927         \hb@xt@{\textwidth}{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
20928         \color@endbox
20929     }%
20930 }%
20931 \global\let\if@newlist\@if@newlist
20932 \global \colht \textheight
20933 \stepcounter{page}%
20934 \let\firstmark\botmark
20935 }
20936 \long\def\@makecaption#1#2{%
20937     \vskip\abovecaptionskip
20938     \sbox\@tempboxa{#1: #2}%
20939     \ifdim \wd\@tempboxa >\hsize
20940         \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
20941     \else
20942         \global \@minipagefalse
20943         \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
20944     \fi
20945     \vskip\belowcaptionskip}
20946 \let\@bidi@saved@eqno=\eqno
20947 \let\@bidi@saved@leqno=\leqno
20948 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
20949 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
20950 \ifpackageloaded{amsmath}{}{
20951 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
20952 }
20953 \input{footnote-xetex-bidi.def}
20954 \if@twocolumn
20955     \let\autofooterule\relax
20956     \let\leftfootnoterule\relax
20957     \let\rightfootnoterule\relax
20958     \textwidthfootnoterule
20959 \fi
20960 \if@bidi@cundefined{\@idxitem}{}%
20961 \renewcommand{\@idxitem}{\par\hangindent \if@RTL-\fi40\p@}%
20962 }
20963 \ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
20964 \ifclassloaded{article}{\ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
20965 \ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
20966 \ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
20967 \ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
20968 \ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
20969 \ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
20970 \ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
20971 \ifclassloaded{scrletter}{\input{scrletter-xetex-bidi.def}}{}
20972 \ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
20973 \ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
20974 \ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
20975 \ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
20976 \ifclassloaded{report}{\ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}

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20977 \ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
20978 \ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
20979 \ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
20980 \ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
20981 \ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
20982 \ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
20983 \ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
20984 \ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
20985 \ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
20986 \ifclassloaded{book}{\ifpackage{flowfram}{\input{book-xetex-bidi.def}}{}}{}
20987 \ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
20988 \ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
20989 \ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
20990 \ifpackage{amsmath}{\%
20991 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
20992 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
20993 }
20994 \ifpackage{mathtools}{\%
20995 \RequirePackage{graphicx}%
20996 \input{mathtools-xetex-bidi.def}%
20997 }{}
20998 \ifpackage{crop}{\RequirePackage{graphicx}}{}
20999 \ifpackage{sidecap}{\RequirePackage{ragged2e}}{}
21000 \ifpackage{floatrow}{\RequirePackage{color}}{}
21001 \ifpackage{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21002 \ifpackage{algorithm2e}{\algonl}{\%
21003 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}{}
21004 }{}
21005 \ifpackage{algorithm2e}{\algopart}{\renewcommand{\algocf@within}{part}}{}
21006 \ifpackage{algorithm2e}{\algochapter}{\renewcommand{\algocf@within}{chapter}}{}
21007 \ifpackage{algorithm2e}{\algosection}{\renewcommand{\algocf@within}{section}}{}
21008 \ifpackage{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21009 \ifpackage{amstext}{\input{amstext-xetex-bidi.def}}{}
21010 \ifpackage{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21011 \ifpackage{breqn}{\input{breqn-xetex-bidi.def}}{}
21012 \ifpackage{cals}{\input{cals-xetex-bidi.def}}{}
21013 \ifpackage{caption}{\input{caption-xetex-bidi.def}}{}
21014 \ifpackage{caption3}{\input{caption3-xetex-bidi.def}}{}
21015 \ifpackage{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21016 \ifpackage{crop}{\ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
21017 \ifpackage{color}{\input{color-xetex-bidi.def}}{}
21018 \ifpackage{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21019 \ifpackage{cuted}{\input{cuted-xetex-bidi.def}}{}
21020 \ifpackage{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21021 \ifpackage{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21022 \ifpackage{float}{\ifpackage{floatrow}{\input{float-xetex-bidi.def}}{}}{}
21023 \ifpackage{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21024 \ifpackage{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21025 \ifpackage{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21026 \ifpackage{graphicx}{\input{graphicx-xetex-bidi.def}}{}

```




```

21027 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21028 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21029 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21030 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21031 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21032 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21033 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21034 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21035 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21036 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21037 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21038 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21039 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21040 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21041 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21042 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21043 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21044 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21045 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21046 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
21047 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21048 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21049 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21050 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21051 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21052 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21053 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21054 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21055 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21056 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21057 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21058 \@ifpackagewith{sidecap}{innercaption}{%
21059 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21060 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
21061 \renewcommand*{\SC@justify@caption}%
21062 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21063 \renewcommand*{\SC@FLOAT}[2]{%
21064 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21065 \renewcommand*{\SC@justify@caption}%
21066 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21067 }{}
21068 \@ifpackagewith{sidecap}{rightcaption}{%
21069 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21070 \def\SC@justify@caption{\RaggedLeft}\else%
21071 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21072 \def\SC@justify@caption{\RaggedRight}\fi%
21073 }{}
21074 \@ifpackagewith{sidecap}{leftcaption}{%
21075 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21076 \def\SC@justify@caption{\RaggedRight}\else%

```



```

21077 \renewcommand*{\SC@FLOAT}[2]{\#1\hspace{\sidecaptionsep}{\#2}}
21078 \def\SC@justify@caption{\RaggedLeft}\fi%
21079 }{}
21080 \ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21081 \ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21082 \ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21083 \ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21084 \ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21085 \ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21086 \ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21087 \ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21088 \ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21089 \ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
21090 \ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
21091 \ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21092 \ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21093 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21094 \ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21095 \ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21096 \ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21097 \ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21098 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21099 \ifpackageloaded{tocbibind}{\ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
21100 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
21101 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21102 \ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

127 File xltextra-xetex-bidi.def

```

21103 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21104 \let\@XeTeX\XeTeX
21105 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21106 \let\@XeLaTeX\XeLaTeX
21107 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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