



The bidi *Package*

Documentation for *version 20.4*

to my Master, Ferdowsi The Great

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

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The *bid* Package

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

Documentation for *version 20.4*

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Introduction

bidi provides a convenient interface for typesetting bidirectional texts in plain \TeX and \LaTeX , using the \XeTeX engine.

bidi Info On The Terminal and In The Log File

If you use bidi package to write any input \TeX document, and then run `xelatex` on your document, bidi writes some information about itself to the terminal and to the log file. The information is something like:

```
*****
*
* bidi package (Bidirectional typesetting in
* plain TeX and LaTeX, using XeTeX engine)
*
* Description: A convenient interface for
* typesetting bidirectional texts in plain TeX
* and LaTeX. The package includes adaptations
* for use with many other commonly-used packages.
*
* Copyright (c) 2009--2016 Vafa Khalighi
*
* 2016/11/25, v20.4
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/vafa/bidi/issues
*
* Support: persian-tex@tug.org
*****
```

Part I

\LaTeX Manual

1 Basics

1.1 Loading The Package

You can load the package in the ordinary way;



```
\usepackage [Options] {bidi}
```

Where options of the package are explained later in [subsection 1.5](#).
When loading the package, it is important to know that:

- ❶ bidi should be the last package that you load, because otherwise you are certainly going to overwrite bidi's definitions and consequently, you will not get the expected output.
- ❷ In fact, bidi makes sure that some specific packages are loaded before bidi; these are those packages that bidi modifies them for bidirectional typesetting. If you load bidi before any of these packages, then you will get an error saying that you should load bidi as your last package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{bidi}
3 \usepackage{graphicx}
4 \begin{document}
5 This is just a test.
6 \end{document}
```

Where graphicx is loaded after bidi. If you run xelatex on this document, you will get an error which looks like this:

```
! Package bidi Error: Oops! you have loaded package graphicx after
bidi package. Please load package graphicx before bidi package, and
then try to run xelatex on your document again.

See the bidi package documentation for explanation.
Type H <return> for immediate help.
...

1.4 \begin{document}

?
```

1.2 bidi's Symbol

As you may know lion symbolizes T_EX but lion does not symbolizes bidi. **Simorgh**¹ (shown on the first page of this documentation) symbolizes bidi.

¹Simorgh is an Iranian benevolent, mythical flying creature which has been shown on the titlepage of this documentation. For more details see <http://en.wikipedia.org/wiki/Simurgh>



1.3 Commands for Version number, and Date of The Package

`\bidiversion` `\bididate`

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
5 \end{document}
```

1.4 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

`\TeXXeTOn` `\TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

1.5 Options of The Package

There are three options, namely `RTLdocument` and `rldocument`, which are essentially equivalent. If you pass any of these options to the package, you will be typesetting a document containing mainly RTL texts with some LTR texts. These options activate `\setRTL` (explained in [subsection 5.4](#)), `\RTLdblcol` (explained in [subsection 1.10](#)) and `\autofootnoterule` (explained in [subsubsection 1.9.1](#)).

It is clear that if you do not pass any of these options to the package, you will be typesetting a document containing mainly LTR texts with some RTL texts.

There is also `extrafootnotefeatures` option that allows footnotes to be typeset in different formats:



```

\normalfootnotes
\twocolumnfootnotes \threecolumnfootnotes \fourcolumnfootnotes
\fivecolumnfootnotes \sixcolumnfootnotes \sevendcolumnfootnotes
\eightcolumnfootnotes \nincolumnfootnotes \tencolumnfootnotes
\RTLcolumnfootnotes \LTRcolumnfootnotes
\paragraphfootnotes
\setLTRparagraphfootnotes \setRTLparagraphfootnotes

```

☞ `\normalfootnotes` typesets footnotes in Standard \LaTeX format.

☞ `\twocolumnfootnotes` to `\tencolumnfootnotes`, typeset footnotes in two-columns to ten-columns, respectively.

☞ `\RTLcolumnfootnotes` typesets footnotes columns RTL (first column on the RHS and each next column to the left of the previous column) and `\LTRcolumnfootnotes` typesets footnotes columns LTR (first column on the LHS and each next column to the right of the previous column). `\LTRcolumnfootnotes` is active by default.

☞ `\paragraphfootnotes` typesets footnotes in paragraph format.

☞ `\setLTRparagraphfootnotes` makes footnotes run from left to right. This command is active by default.

☞ `\setRTLparagraphfootnotes` makes footnotes run from right to left.

Please note that when using `extrafootnotefeatures` option, the footnote rule will be as wide as the text width and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects.

Please also note that if you redefine `\baselinestretch` command or change the value of `\baselineskip` primitive before `\paragraphfootnotes` command, then you may get Arithmetic Overflow error. You should change these after using `\paragraphfootnotes` command.

1.6 Paragraph Switching Commands

```

\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR

```

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \setRTL%

```




```

5 Anyone who reads Old and Middle English literary texts will be
6 familiar with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8
9 \setLTR% Notice the blank line before \setLTR
10 Anyone who reads Old and Middle English literary texts will be
11 familiar with the mid-brown volumes of the EETS, with the symbol
12 of Alfred's jewel embossed on the front cover.
13 \end{document}

```

1.7 Paragraph Switching Environments

```

\begin{LTR}  <text>  \end{LTR}
\begin{RTL}  <text>  \end{RTL}

```

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{RTL}
5 Anyone who reads Old and Middle English literary texts will be familiar
6 with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8 \begin{LTR}
9 Anyone who reads Old and Middle English literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 And we are still typesetting RTL.
14 \end{RTL}
15 \end{document}

```

1.8 Typesetting Short LTR and RTL Texts

```

\LRE{<text>}  \LR{<text>}
\RLE{<text>}  \RL{<text>}

```

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.



```

1 \begin{document}
2 \begin{RTL}
3 Anyone who reads Old and Middle English \LRE{Short LTR text} literary
4 texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \begin{LTR}
8 Anyone who reads Old and Middle English \RLE{Short RTL text} literary
9 texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 \end{RTL}
14 \end{document}

```

1.9 Footnotes

```

\footnote [num] {\text} \LTRfootnote [num] {\text} \RTLfootnote [num] {\text}
\setfootnoteRL \setfootnoteLR \unsetfootnoteRL
\thanks{\text} \LTRthanks{\text} \RTLthanks{\text}

```

- ☞ `\footnote` in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnote` will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnote` will always produce an RTL footnote, independent on the current mode.
- ☞ Specifying a `\setfootnoteRL` command anywhere will make `\footnote` produce an RTL footnote.
- ☞ Specifying either a `\setfootnoteLR` or an `\unsetfootnoteRL` command anywhere will make `\footnote` produce an LTR footnote.
- ☞ `\thanks` (to be used only inside `\author` or `\title` argument) in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRthanks` (to be used only inside `\author` or `\title` argument) will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLthanks` (to be used only inside `\author` or `\title` argument) will always produce an RTL footnote, independent on the current mode.



```
\footnotetext [num] {\text} \LTRfootnotetext [num] {\text}
\RTLfootnotetext [num] {\text}
```

- ☞ `\footnotetext` used in conjunction with `\footnotemark`, in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnotetext` used in conjunction with `\footnotemark`, will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnotetext` used in conjunction with `\footnotemark`, will always produce an RTL footnote, independent on the current mode.

1.9.1 Footnote Rule

The behavior of footnote rules can also be controlled.

```
\autofootnoterule \rightfootnoterule \leftfootnoterule
\LRfootnoterule \textwidthfootnoterule \SplitFootnoteRule
\debugfootnotedirection
```

- ☞ `\autofootnoterule` will draw the footnote rule right or left aligned based on the direction of the first footnote following the rule (i.e., put in the current page).
- ☞ `\rightfootnoterule` will put footnote rule on the right-hand side.
- ☞ `\leftfootnoterule` or `\LRfootnoterule` will put footnote rule on the left-hand side.
- ☞ `\textwidthfootnoterule` will draw the footnote rule with a width equal to `\textwidth`.
- ☞ `\SplitFootnoteRule` puts a full-width rule above the split-off part of a split footnote.
- ☞ `\debugfootnotedirection` writes the direction of the first footnote on each page, in the log file.

1.10 Two Column Typesetting

```
\RTLdblcol \LTRdblcol
```

If you pass the `twocolumn` option to the class file and if the main direction of the document is RTL, then you get RTL two column and if the main direction of the document is LTR, then you get LTR two column. In addition, `\RTLdblcol` allows you to have RTL two column typesetting and `\LTRdblcol` allows you to have LTR two column typesetting as the options of the class file.



Also please note that in `twocolumn` documents, the width of the `\footnoterule` will be equal to `\columnwidth` no matter which footnote-rule commands you use; indeed, in `twocolumn` documents only `\textwidthfootnoterule` is active and other footnote-rule commands will not be effective.

`\RTLcases` command was previously known as `\rcases` command but since there was a clash with `mathtools` package (`mathtools` defines `rcases` environment), we had to rename `\rcases` command to `\RTLcases` command.

1.11 RTL cases

```
\RTLcases{\text{\langle brach1\rangle}\cr\text{\langle brach2\rangle}\cr\text{\langle brach3\rangle}...}
\text{\langle main\rangle}
```

`\RTLcases` is defined in `bidi` for typesetting RTL cases. `\text` is defined in `amsmath` package, so this means that you need to load `amsmath` package too.

```
1 \documentclass{article}
2 \usepackage{amsmath}
3 \usepackage{bidi}
4 \begin{document}
5 \setRTL
6 \[ \RTLcases{\text{men}\cr\text{women}}
7 \text{Humans Beings}
8 \]
9 \end{document}
```

1.12 Typesetting Logos

```
\XeTeX \XeLaTeX
```

`bidi` defines \XeTeX and \XeLaTeX logos and in addition, it makes sure that logos, \TeX , \LaTeX , $\text{\LaTeX}_{2\epsilon}$ are typeset LTR.

1.13 Separation Mark

```
\SepMark{\langle mark\rangle} \@SepMark
```

Generally in Standard \LaTeX , dot is used for separation between section numbers, equation numbers any anything else which needs to be separated. You can use `\SepMark` to use any other mark as the separation mark instead a dot.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \begin{document}
5 \section{First}
6 \subsection{Second}
7 \subsubsection{Third}
8 \end{document}
```



If you decide to change the numbering of chapters, sections, subsections, equations, figures and ..., you should either load `amsmath` package and use `\numberwithin` macro to do this or do the ordinary way, but instead dot write `\@SepMark`. Using dot instead `\@SepMark` will certainly make trouble.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \makeatletter
5 \renewcommand\theequation{\thesection\@SepMark\@arabic\c@equation}
6 \makeatother
7 \begin{document}
8 \section{First}
9 \begin{equation}
10 x^2+y^2=z^2
11 \end{equation}
12 \end{document}

```

1.14 `\raggedright`, `\raggedleft` commands, `flushleft` and `flushright` Environments

`\raggedright` command and `flushleft` environment put the text on the left hand side and `\raggedleft` command and `flushright` environment put the text on the right hand side, independent on the current mode.

1.15 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

1.16 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:



```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \hbox{This is a Test}
6 \end{document}

```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \leavevmode\hbox{This is a Test}
6 \end{document}

```

1.17 `\bidillap` and `\bidirlap` Commands

In RTL mode, `\llap` and `\rlap` do opposite things. Since these two macros are used in a lot of classes and packages, instead of modifying these two macros, we have created two new macros `\bidillap` and `\bidirlap` which give logical results.

1.18 `LTRitems` and `RTLitems` Environments

If you typeset an `itemize`, or an `enumerate`, or a `description` environment where all `\items` are one directional, you have no problem at all as shown below:

```

1 \documentclass{article}
2 \begin{document}
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol of Alfred's
5 \begin{enumerate}
6 \item Anyone who reads Old and Middle English literary texts will be
7 familiar with the mid-brown volumes of the EETS, with the symbol of
8 Alfred's
9 \item Anyone who reads Old and Middle English literary texts will be
10 familiar with the mid-brown volumes of the EETS, with the symbol of
11 Alfred's
12 \end{enumerate}
13 \end{document}

```

However if the above example becomes bidirectional, as shown below:

```

1 \documentclass{article}
2 \usepackage{bidi}

```



```

3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \setRTL
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{enumerate}
15 \end{document}

```

Then some people may argue that this typographically does not look promising. For this purpose, RTLitems environment is provided which has the following syntax:

```

\begin{RTLitems}
  \item <text>
  ...
\end{RTLitems}

```

By using the RTLitems environment, the previous example will look like the following:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \begin{RTLitems}
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{RTLitems}
15 \end{enumerate}
16 \end{document}

```

Similarly, LTRitems environment is defined which has the following syntax:

```

\begin{LTRitems}
  \item <text>
  ...
\end{LTRitems}

```



1.19 LTRbibitems and RTLbibitems Environments

The syntax of LTRbibitems and RTLbibitems environments is exactly like the syntax of LTRitems and RTLitems environments but there are few differences:

- ☞ LTRitems and RTLitems environments should only be used for list-like environments (such as itemize, enumerate and description environments) but LTRbibitems and RTLbibitems environments should only be used for thebibliography environment.
- ☞ Clearly instead of `\item`, you have `\bibitem` inside LTRbibitems and RTLbibitems environments.

1.20 \setLTRbibitems, \setRTLbibitems, and \setdefaultbibitems commands

<code>\setLTRbibitems</code> <code>\setRTLbibitems</code> <code>\setdefaultbibitems</code>
--

- ☞ If your whole thebibliography environment is inside RTL mode, but all your `\bibitems` are LTR and you actually want to have `\bibname` to appear on the RHS, you can use `\setLTRbibitems` command before thebibliography environment.
- ☞ If your whole thebibliography environment is inside LTR mode, but all your `\bibitems` are RTL and you actually want to have `\bibname` to appear on the LHS, you can use `\setRTLbibitems` command before thebibliography environment.
- ☞ `\setdefaultbibitems` is the default, when your `\bibitems` are a mixture of LTR and RTL and it does not matter what mode (LTR or RTL) your thebibliography environment is in. Please note that you do not have to use `\setdefaultbibitems` command in this case at all.

Consider an example that your thebibliography environment is inside LTR mode and you have, say two `\bibitems`. The first `\bibitem` is LTR and the second `\bibitem` is RTL. One could typeset this scenario as shown below:

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{thebibliography}{99}
5 \bibitem This is the first bibitem which is LTR.
6 \begin{RTLbibitems}
7 \bibitem This is the second bibitem which is RTL.
8 \end{RTLbibitems}
9 \end{thebibliography}
10 \end{document}
```



1.21 Typesetting margin par

By default, in RTL mode, `\marginpar` appears on LHS and its content is typeset RTL and in LTR mode, `\marginpar` appears on RHS and its content is typeset LTR. In addition, the following commands are provided:

```
\setRTLmarginpar \setLTRmarginpar \setdefaultmarginpar
\LTRmarginpar[⟨left-text⟩]{⟨right-text⟩}
\RTLmarginpar[⟨left-text⟩]{⟨right-text⟩}
```

- ☞ `\setRTLmarginpar` always makes `\marginpar` to appear on LHS and the content of `\marginpar` is typeset RTL (this is independent of the current mode).
- ☞ `\setLTRmarginpar` always makes `\marginpar` to appear on RHS and the content of `\marginpar` is typeset LTR (this is independent of the current mode).
- ☞ `\setdefaultmarginpar` gives the default behaviour of `\marginpar` as described above.
- ☞ `\LTRmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always LTR.
- ☞ `\RTLmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always RTL.
- ☞ in RTL mode, places of `⟨left-text⟩` and `⟨right-text⟩` swaps.

1.22 Typesetting of Headers and Footers

If the main direction of the document is RTL, then headers and footers are typeset RTL and if the main direction of the document is LTR, then headers and footers are typeset LTR.

1.23 Tabular Typesetting

In RTL mode, tabular are typeset RTL and in LTR mode, tabular are typeset LTR.

1.24 Equation Numbers

For `reqno`, equation numbers are on the right hand side and for `leqno`, equation numbers are on the left hand side, independent on the current mode.

2 Support For Various Packages and Classes

The bidi package supports `amsmath`, `amstext`, `amsthm`, `array`, `arydshln`, `breqn`, `cals`, `caption`, `color`, `colortbl`, `crop`, `cuted`, `cutwin`, `dblfnote`, `draftwatermark`, `empheq`, `fancyhdr`, `fancybox`, `fix2col`, `float`, `floatrow`, `flowfram`, `framed`, `ftnright`, `geometry`, `graphicx`, `hvfloa`, `hyperref`, `lettrine`, `listings`, `mdframed`, `midfloat`, `minitoc`, `multicol`, `multienum`, `newfloat`, `pdfpages`, `pstricks`, `quotchap`, `pinyin`, `ragged2e`, `rotating`, `sidecap`, `stabular`,



subfig, subfigure, supertabular, xtab, tabs, tabulary, PGF & TIKZ, tocbibind, tocloft, tocstyle, wrapfig, xcolor, xltextra packages, amsart, amsbook, artikel1, artikel2, artikel3, extarticle, flashcards, standrad article, boek, boek3, standard book, bookest, extbook, extletter, scrlettr, standard letter, memoir, extreport, rapport1, rapport3, refrep, standard report, scrartcl, scrbook, scrreprt classes and any other packages and classes that relies on these packages and classes. This means, you can use all these packages and classes in addition to other packages and classes that rely on these packages and classes and use their functionality fully for your bidirectional documents. We now give some details that you should know about the supported packages or classes.

2.1 Color

You can use color and xcolor packages to typeset texts in colours and colour boxes produced by `\colorbox` and `\fcolorbox` commands. Please note that your Coloured text should not span more than a line, if your text spans more than a line, you will be in trouble which means your whole document, page or paragraph may be coloured. If your texts spans more than a line, then you should use xecolor package. Also if you are going to use `\color` command to colour the text at the beginning of a paragraph, then you should have `\leavevmode` before `\color` command. For having coloured tabular, you can use colortbl package.

2.2 The dblfnote package

The dblfnote package makes footnotes double-columned. In addition bidi package adds bidirectional support for the dblfnote package by providing the following commands:

<code>\RTLdfnmakecol</code>	<code>\LTRdfnmakecol</code>
-----------------------------	-----------------------------

☞ `\RTLdfnmakecol` makes footnotes double-columned RTL.

☞ `\LTRdfnmakecol` makes footnotes double-columned LTR.

☞ If the main direction of the document is RTL, `\RTLdfnmakecol` is active and if the main direction of the document is LTR, `\LTRdfnmakecol` is active.

Please note that when using dblfnote package, the footnote rule will be as wide as the footnote column and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects.

2.3 Hyperref

The hyperref package works fine with bidirectional documents if and only if, your link will not span more than a line. If your link spans more than a line, then your whole document, or page or paragraph may be linked.



2.4 The listings package

Suppose that the main direction of the document is RTL, and you want to typeset a piece of C code in LTR mode but you also have the requirement that the caption of that particular code should be RTL. Since the direction of the code is LTR, then the direction of the caption also will be LTR and this is not something you want; sadly there is no easy way to do this. For this very reason, the `bidi` package adds a key to the `listings` package, namely `captiondirection`. This key can have the following values:

☞ `textdirection` follows the direction of the text (default).

☞ `RTL` sets the direction of the caption to RTL.

☞ `LTR` sets the direction of the caption to LTR.

Giving any other values gives you an error.

2.5 flowfram Package

You can use `flowfram` package for your bidirectional documents. Please note that `flowfram` package provides support for bidirectional column typesetting, for details, see its manual.

2.6 Multicolumn Typesetting

In the previous versions of `bidi` package, it was recommended that you need to use `fmultico` package instead the original `multicol` package for RTL multicolumn typesetting. This is not the case any more and you should not use buggy `fmultico` package any more. Simply load the original `multicol` package before loading `bidi`. `bidi` now supports `multicol` package and you can typeset bidirectional multi columns. When using `multicol` package, the following two additional commands are provided:

`\RTLmulticolcolumns` `\LTRmulticolcolumns`

If the main direction of the document is RTL, then you get RTL multi columns and if the main direction of the document is LTR, then you get LTR multi columns. In addition, `\RTLmulticolcolumns` allows you to have RTL multi columns and `\LTRmulticolcolumns` allows you to have LTR multi columns. In addition, you also can use `vwcol` package for variable width bidirectional column typesetting.

3 Extra bidi Packages and Classes



3.1 bidi-longtable package

For typesetting RTL tables with longtable package, an experimental package, bidi-longtable package, is provided. bidi-longtable package should be loaded after longtable package.

3.2 bidentufte bundle

A modified version of tufte-latex, bidentufte bundle, mainly for RTL typesetting, is provided. If you never used bidentufte bundle or tufte-latex package and you want to use bidentufte bundle, then you need to look at tufte-latex package's manual and examples. In addition, for using bidentufte bundle, you need to know the following notes:

- ☞ You need to use bidentufte-book class instead tufte-book class and bidentufte-handout class instead tufte-handout class.
- ☞ bidentufte bundle provides the following extra commands:

`\LTRsidenote \RTLsidenote \LTRmarginnote \RTLmarginnote`

- ☞ bidentufte-book and bidentufte-handout classes provide two extra options; RTLgeometry (active when loading either of classes) and LTRgeometry.
- ☞ bidentufte bundle unlike tufts-latex package, only provides justified lines.
- ☞ Some features of tufte-latex that does not make any sense in RTL, do not exist in bidentufte bundle (no need for soul, letterspace and macrotype packages).
- ☞ If you want to configure bidentufte-book class for your own needs, then you can create a file with the name bidentufte-book.cfg and put your \LaTeX macros in that file; similarly, if you want to configure bidentufte-handout class for your own needs, then you can create a file with the name bidentufte-handout.cfg and put your \LaTeX macros in that file.

3.3 Typesetting \TeX and \LaTeX Codes

The \LaTeX codes in this manual are typeset using the bidicode package. In standard \LaTeX you can not use footnotes inside `\chapter`, `\part`, `\section`, `\subsection`, `\subsubsection` and any other section-like commands, `\caption` and tabular environment.

bidi package provides bidiftnextra package that solves the issue of footnote in standard \LaTeX . bidiftnextra package should be loaded after bidi package.



3.4 Typesetting Poems

The bidi package provides bidipoem package for typesetting Persian poems. It provides four environments, `traditionalpoem`, `modernpoem` and starred version of these. In the starred version of these environments you do not need to type `\\` and that is the only difference with the normal version of the environments. The `traditionalpoem` environment and its starred version are also useful for typesetting Classic Arabic poetry, in fact this package may also be useful for other RTL languages.

When using bidipoem package, at least you need to run `xelatex` twice on your document. In fact, if you run `xelatex` just once on your document, you get a message saying “Unjustified poem. Rerun XeLaTeX to get poem right”.

When you typeset your poems, you might get underfull `\hbox` messages. This is absolutely normal and if you want to get rid of these underfull `\hbox` messages, then you would need to use Kashida.

If you need to change the default distance between two verses, you can do just that by:

```
\renewcommand\poemcolsepskip{\langle length \rangle}
```

```
\begin{traditionalpoem}  
  \langle verse1 \rangle & \langle verse2 \rangle \\  
  \langle verse3 \rangle & \langle verse4 \rangle \\  
  ...  
\end{traditionalpoem}
```

```
\begin{traditionalpoem*}  
  \langle verse1 \rangle & \langle verse2 \rangle  
  \langle verse3 \rangle & \langle verse4 \rangle  
  ...  
\end{traditionalpoem*}
```

3.5 Typesetting Resumé

The bidi package provides `bidimoderncv`² class for typesetting resumé. There are two examples, namely `test-casualcv.tex` and `test-classiccv.tex`, in the `doc` folder than you can look and learn how you can use it.

3.6 Print Two Pages On A Single Page

bidi package provides `bidi2in1` package for printing two pages on a single (landscape) A4 page. Page numbers appear on the included pages, and not on the landscape ‘container’ page.

²This class is the modified version of `moderncv` class.



3.7 Producing Presentations

At the moment, there is only one class that you can prepare your presentations with.

4 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.

4.1 Equating Conditionals

`\eqnewif{<\newconditional1>}{<\newconditional2>}`

In standard \LaTeX , `\newif` command is provided that you can define a new conditional with it. `\eqnewif` command is similar to `\newif` command but:

- ☞ With `\eqnewif` command, you can define two new conditionals instead one, so clearly it has two mandatory arguments.
- ☞ `\newconditional1` will be identical to `\newconditional2`, so that whenever `\newconditional1` is true, then `\newconditional2` is also true and whenever `\newconditional1` is false, then `\newconditional2` is also false and vice versa.

4.2 RTL Conditional

`\if@RTL`

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

4.3 Main RTL Conditional

`\if@RTLmain`

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

4.4 Latin Conditional

`\if@nonlatin`

The packages should set the value of `\if@nonlatin` inside any environment that uses LTR script to false (`\@nonlatinfalse`) and inside any environment that uses RTL script to true (`\@nonlatintrue`).



4.5 Tags Internal Macro

```
\@iftagsloaded{<tags name>}{<do thing(s) if the tag is loaded>}  
{<do thing(s) if the tag is not loaded>}
```

As you can see, the syntax of \@iftagsloaded is exactly the same as the syntax of \@ifpackageloaded and \@ifclassloaded. By tags, we mean things like leqno or reqno. Please note that in the argument <tags name>, the extension clo should not be given.

4.6 Definition File Loaded Internal Macro

```
\@ifdefinitionfileloaded{<definition file name>}  
{<do thing(s) if the definition file is loaded>}  
{<do thing(s) if the definition file is not loaded>}
```

As you can see, the syntax of \@ifdefinitionfileloaded is exactly the same as the syntax of \@ifpackageloaded and \@ifclassloaded. By definition file, we mean things like hyperref-bidi.def or wrapfig-bidi.def. Please note that in the argument <definition file name>, the extension def should not be given.

4.7 Tabular Conditional

```
\if@RTLtab
```

If the tabular is typeset RTL, \if@RTLtab is true and if the tabular is typeset LTR, \if@RTLtab is false.

4.8 Footnote Conditional

```
\if@RTL@footnote
```

When footnotes are typeset RTL, \if@RTL@footnote is true and when footnotes are typeset LTR, \if@RTL@footnote is false.

4.9 Direction Ensuring Macros

```
\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}  
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}
```

☞ \@ensure@RTL and \@ensure@RL internals make sure that <text> is always typeset RTL, independent on the current mode.

☞ \@ensure@LTR and \@ensure@LR internals make sure that <text> is always typeset LTR, independent on the current mode.



- ☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

4.10 Reset Direction Macro

```
\save@dir \saved@@dir \reset@dir
```

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

Part II

Plain T_EX Manual

5 Basics

5.1 Loading The Package

You can load the package in the ordinary way;

```
\input bidi
```

When loading the package, it is important to know that: `bidi` should be the last package that you load, because otherwise you are certainly going to overwrite `bidi`'s definitions and consequently, you will not get the expected output.

5.2 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

- ☞ `\bidiversion` gives the current version of the package.

- ☞ `\bididate` gives the current date of the package.

```
1 \input bidi
2 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
3 \end
```



5.3 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

`\TeXXeTOn \TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

5.4 Paragraph Switching Commands

`\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR`

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```
1 \input bidi
2 \setRTL%
3 Anyone who reads Old and Middle English literary texts will be
4 familiar with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6
7 \setLTR% Notice the blank line before \setLTR
8 Anyone who reads Old and Middle English literary texts will be
9 familiar with the mid-brown volumes of the EETS, with the symbol
10 of Alfred's jewel embossed on the front cover.
11 \end
```

5.5 Paragraph Switching Environments

`\LTR <text> \endLTR
\RTL <text> \endRTL`

☞ With LTR environment, you can typeset LTR paragraphs.



☞ With RTL environment, you can typeset RTL paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6 \LTR
7 Anyone who reads Old and Middle English literary texts will be familiar
8 with the mid-brown volumes of the EETS, with the symbol
9 of Alfred's jewel embossed on the front cover.
10 \endLTR
11 And we are still typesetting right to left.
12 \endRTL
13 \end
```

5.6 Typesetting Short LTR and RTL Texts

<code>\LRE{<text>}</code>	<code>\LR{<text>}</code>
<code>\RLE{<text>}</code>	<code>\RL{<text>}</code>

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English \LRE{Short left to right text}
4 literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \LTR
8 Anyone who reads Old and Middle English \RLE{Short right to left text}
9 literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \endLTR
13 \endRTL
14 \end
```



5.7 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

5.8 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:

```
1 \input bidi
2 \setRTL
3 \hbox{This is a Test}
4 \end
```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```
1 \input bidi
2 \setRTL
3 \leavevmode\hbox{This is a Test}
4 \end
```

5.9 Typesetting Logos

`\XeTeX`

`bidi` defines \XeTeX logo and in addition, it makes sure that the logo, \TeX is typeset LTR.

6 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.



6.1 RTL Conditional

`\if@RTL`

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

6.2 Main RTL Conditional

`\if@RTLmain`

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

6.3 Direction Ensuring Macros

`\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}`

- ☞ `\@ensure@RTL` and `\@ensure@RL` internals make sure that `<text>` is always typeset RTL, independent on the current mode.
- ☞ `\@ensure@LTR` and `\@ensure@LR` internals make sure that `<text>` is always typeset LTR, independent on the current mode.
- ☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

6.4 Reset Direction Macro

`\save@dir \saved@@dir \reset@dir`

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

7 bidi implementation

7.1 amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for amsart class for XeTeX]
2 \def\@tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
```



```

7 \ifempty{#4}{%
8 \@tempdima\csname r@tocindent\number#1\endcsname\relax
9 }{%
10 \@tempdima#4\relax
11 }%
12 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\lef
13 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \kern-.4\p@
28 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29 \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \normalfont\footnotesize
38 \interlinepenalty\interfootnotelinepenalty
39 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
40 \floatingpenalty\@MM \hsize\columnwidth
41 \@parboxrestore \parindent\normalparindent \sloppy
42 \protected@edef\@currentlabel{%
43 \csname p@footnote\endcsname\@thefnmark}%
44 \@makefnmark{%
45 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
46
47 \long\def\@RTLfootnotetext#1{%
48 \insert\footins{%
49 \@RTLtrue%
50 \normalfont\footnotesize
51 \interlinepenalty\interfootnotelinepenalty
52 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
53 \floatingpenalty\@MM \hsize\columnwidth
54 \@parboxrestore \parindent\normalparindent \sloppy
55 \protected@edef\@currentlabel{%
56 \csname p@footnote\endcsname\@thefnmark}%

```



```

57 \makefnintext{%
58 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}
59
60
61
62 \long\def\@LTRfootnotetext#1{%
63 \insert\footins{%
64 \@RTLfalse%
65 \normalfont\footnotesize
66 \interlinepenalty\interfootnotelinepenalty
67 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
68 \floatingpenalty\@MM \hsize\columnwidth
69 \@parboxrestore \parindent\normalparindent \sloppy
70 \protected@edef\@currentlabel{%
71 \csname p@footnote\endcsname\@thefnmark}%
72 \makefnintext{%
73 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}}
74
75
76 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
77 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
78 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
79
80 \renewenvironment{thebibliography}[1]{%
81 \@bibtitlestyle
82 \normalfont\bibliofont\labelsep .5em\relax
83 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
84 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
85 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
86 \leftmargin\labelwidth \advance\leftmargin\labelsep
87 \usecounter{enumiv}}%
88 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
89 \sfcode\@.=\@m
90 }{%
91 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
92 \endlist
93 }
94 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
95 \columnseprule\z@ \columnsep 35pt
96 \@indextitlestyle
97 \thispagestyle{plain}%
98 \let\item\@idxitem
99 \parindent\z@ \parskip\z@\@plus.3pt\relax
100 \if@RTL\raggedleft\else\raggedright\fi
101 \hyphenpenalty\@M
102 \footnotesize}
103 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
104 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
105 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
106 \def\maketitle{\par

```



```

107 \@topnum\z@ % this prevents figures from falling at the top of page 1
108 \@setcopyright
109 \thispagestyle{firstpage}% this sets first page specifications
110 \uppercasenonmath\shorttitle
111 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
112 \else \andify\shortauthors
113 \fi
114 \@maketitle@hook
115 \begingroup
116 \@maketitle
117 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
118 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
119 \edef\@tempa{%
120   \@nx\markboth{\the\toks4
121     \@nx\MakeUppercase{\the\toks0}}{\the\@temptokena}}%
122 \@tempa
123 \endgroup
124 \c@footnote\z@
125 \cleartopmattertags
126 }

```

7.2 adjmulticol-xetex-bidi.def

```

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

```



```

154 \fi
155 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
156 \let\orig@RTLfootnotetext\@RTLfootnotetext
157 \let\@RTLfootnotetext\mult@RTLfootnotetext
158 \fi
159 \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]{}
160 \let\adjmc@page@sofar@orig=\page@sofar

```

7.3 algorithm2e-xetex-bidi.def

```

161 \ProvidesFile{algorithm2e-xetex-bidi.def}[2015/02/01 v0.1 bidi adaptations for algorithm2e pack
162 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
163 \else%
164 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
165 \fi%
166
167 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
168 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
169 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
170 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
171 \renewcommand{\@algocf@start}{%
172 \@algoskip%
173 \begin{bidi@lrbox}{\algocf@algorithmbox}%
174 \setlength{\algowidth}{\hsize}%
175 \vbox\bgroup% save all the algo in a box
176 \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
177 \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
178 % initialization
179 \addtolength{\hsize}{-1.5\algomargin}%
180 \let\@mathsemicolon=\;\def\;\{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
181 \raggedright\AlFnt}%
182 \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
183 \@algoinsideskip%
184 % \let\@emathdisplay=\]\def\]\{\algocf@endline\@emathdisplay\nl}%
185 }%
186 \renewcommand{\@algocf@finish}{%
187 \@algoinsideskip%
188 \egroup%end of vtop which contain all the text
189 \hfill\egroup%end of hbox wich contains [margin][vtop]
190 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
191 %
192 \egroup%end of main vbox
193 \end{bidi@lrbox}%
194 \algocf@makethealgo% print the algo
195 \@algoskip%
196 % restore dimension and macros
197 \setlength{\hsize}{\algowidth}%
198 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
199 \let\;=\@mathsemicolon%
200 \let\]=\@emathdisplay%

```



201 }%

7.4 amsbook-xetex-bidi.def

```

202 \ProvidesFile{amsbook-xetex-bidi.def}[2015/11/14 v1.0 bidi adaptations for amsbook class for XeTeX]
203 \def\tocline#1#2#3#4#5#6#7{\relax
204   \ifnum #1>\c@tocdepth % then omit
205   \else
206     \par \addpenalty\@secpenalty\addvspace{#2}%
207     \begingroup \hyphenpenalty\@M
208     \@ifempty{#4}{%
209       \@tempdima\csname r@tocindent\number#1\endcsname\relax
210     }{%
211       \@tempdima#4\relax
212     }%
213     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
214     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
215     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
216     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
217     \nobreak
218     \endgroup
219   \fi}
220 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
221 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
222 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
223 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
224 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
225   \columnseprule\z@ \columnsep 35\p@
226   \@indextitlestyle
227   \thispagestyle{plain}%
228   \let\item\@idxitem
229   \parindent\z@ \parskip\z@\@plus.3\p@\relax
230   \if@RTL\raggedleft\else\raggedright\fi
231   \hyphenpenalty\@M
232   \footnotesize}
233 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
234 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
235 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
236 \def\righ@footnoterule{%
237   \kern-.4\p@
238   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
239   \kern11\p@\kern-\footnotesep}
240 \def\left@footnoterule{\kern-.4\p@
241   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
242
243 \long\def\@footnotetext#1{%
244   \insert\footins{%
245     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
246     \normalfont\footnotesize
247     \interlinepenalty\interfootnotelinepenalty

```



```

248 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
249 \floatingpenalty\@MM \hsize\columnwidth
250 \@parboxrestore \parindent\normalparindent \sloppy
251 \protected@edef\@currentlabel{%
252   \csname p@footnote\endcsname\@thefnmark}%
253 \@makefnintext{%
254   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
255
256 \long\def\@RTLfootnotetext#1{%
257   \insert\footins{%
258     \@RTLtrue%
259     \normalfont\footnotesize
260     \interlinepenalty\interfootnotelinepenalty
261     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
262     \floatingpenalty\@MM \hsize\columnwidth
263     \@parboxrestore \parindent\normalparindent \sloppy
264     \protected@edef\@currentlabel{%
265       \csname p@footnote\endcsname\@thefnmark}%
266     \@makefnintext{%
267       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
268
269
270 \long\def\@LTRfootnotetext#1{%
271   \insert\footins{%
272     \@RTLfalse%
273     \normalfont\footnotesize
274     \interlinepenalty\interfootnotelinepenalty
275     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
276     \floatingpenalty\@MM \hsize\columnwidth
277     \@parboxrestore \parindent\normalparindent \sloppy
278     \protected@edef\@currentlabel{%
279       \csname p@footnote\endcsname\@thefnmark}%
280     \@makefnintext{%
281       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
282
283
284
285 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
286 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
287 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
288
289 \renewenvironment{thebibliography}[1]{%
290   \@bibtitlestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
293   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
294   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
295     \leftmargin\labelwidth \advance\leftmargin\labelsep
296     \usecounter{enumiv}}}%
297   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty

```



```

298 \sfcode`\.=\@m
299 }{%
300 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
301 \endlist
302 }
303 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
304 \begingroup
305 \fontsize{\@xivpt}{18}\bfseries\centering
306 \ifnum\c@secnumdepth>\m@ne
307 \leavevmode \hskip-\if@RTL\righskip\else\leftskip\fi
308 \rlap{\vbox to\z@{\vss
309 \centerline{\normalsize\mdseries
310 \uppercase\exp{\chaptername}\enspace\thechapter}
311 \vskip 3pc}}\hskip\if@RTL\righskip\else\leftskip\fi\fi
312 #1\par \endgroup
313 \skip@34p@ \advance\skip@-\normalbaselineskip
314 \vskip\skip@ }
315 \def\maketitle{\par
316 \@topnum\z@ % this prevents figures from falling at the top of page 1
317 \begingroup
318 \@maketitle
319 \endgroup
320 \c@footnote\z@
321 \def\do##1{\let##1\relax}%
322 \do\maketitle \do\@maketitle \do\title \do\@title \do\@title
323 \do\author \do\@xauthor \do\address \do\@xaddress
324 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
325 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
326 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
327 }

```

7.5 amsmath-xetex-bidi.def

```

328 \ProvidesFile{amsmath-xetex-bidi.def}[2016/09/12 v1.0 bidi adaptations for amsmath package for Xe
329 \let\veqno=\eqno
330 \iftagsleft@ \let\veqno=\leqno \fi
331 \renewcommand{\numberwithin}[3][\arabic]{%
332 \ifundefined{c@#2}{\@nocounterr{#2}}{%
333 \ifundefined{c@#3}{\@nocnterr{#3}}{%
334 \addtoreset{#2}{#3}%
335 \exp\xdef\csname the#2\endcsname{%
336 \exp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
337 }
338 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\ifno

```

7.6 amstext-xetex-bidi.def

```

339 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package for Xe
340 \def\textdef@#1#2#3{\hbox{%
341 \everymath{#1}%
342 \let\fontsize#2\selectfont

```



```
343 \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}
```

7.7 amsthm-xetex-bidi.def

```
344 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for XeT
345 \def\@thmcountersep{\@SepMark}
```

7.8 animate-xetex-bidi.def

```
346 \ProvidesFile{animate-xetex-bidi.def}[2016/05/03 v0.2 bidi adaptations for animate package for X
347
348
349 %user command for embedding animation sequence
350 % #1: options
351 % #2: frame rate (fps)
352 % #3: basename of graphics file sequence (without frame number and extension)
353 % #4: first frame (integer)
354 % #5: last frame (integer)
355 \renewcommand{\animategraphics}[5][]{%
356   \@anim@endsanitize%
357   \leavevmode%
358   \ifpdf\else%
359     \if@anim@grxloaded%
360       \if@anim@xetex%
361         \DeclareGraphicsRule{.mps}{eps}{*}{*}%
362         \fi%
363     \else%
364       \if@anim@xetex%
365         \@anim@missing[xetex]{graphicx}%
366       \else%
367         \if@anim@dvipdfmx%
368           \@anim@missing[dvipdfmx]{graphicx}%
369         \else%
370           \@anim@missing{graphicx}%
371         \fi%
372       \fi%
373     \fi%
374   \fi%
375   \@anim@reset% to default settings
376   \begingroup% make use of graphic[xs] search path
377   \beginL%
378   \ifcsname Ginput@path\endcsname%
379     \let\input@path\Ginput@path%
380   \fi%
381   %
382   \setkeys{anim@user}{#1}%
383   \ifthenelse{\boolean{@anim@autoplay}\OR\boolean{@anim@autoresume}}{%
384     \setboolean{@anim@autoplayorresume}{true}%
385   }{}%
386   \ifthenelse{\boolean{@anim@controls}\OR\boolean{@anim@palindrome}}{%
387     \setboolean{@anim@morejs}{true}%
```



```

388 }{}%
389 \ifx\empty\@anim@label\empty\else%
390   \setboolean{@anim@morejs}{true}%
391 \fi%
392 \ifthenelse{\NOT\boolean{@anim@controls}\AND\boolean{@anim@step}}{%
393   \setboolean{@anim@loop}{true}%
394 }{}%
395 \def\@anim@base{#3}%
396 \def\@anim@first{#4}%
397 \def\@anim@last{#5}%
398 %
399 \@anim@checkmultipage{\@anim@base}{\@anim@ftype}%test for multipage file
400 \if@anim@multipage\else% cope with wrong user input
401   \ifthenelse{\equal{#4}{} \OR \equal{#5}{} }{%
402     \PackageError{animate}{%
403       Missing frame number in \protect\animategraphics\space command%
404     }{}%
405   }{}%
406   \ifthenelse{\@anim@first<\z@ \OR \@anim@last<\z@ }{%
407     \PackageError{animate}{%
408       Negative frame numbers not allowed%
409     }{}%
410   }{}%
411 \fi%
412 \def\@anim@relop{>}%
413 \edef\@anim@numtemplate{\@anim@first}%
414 \ifnum\@anim@first>\@anim@last\relax%
415   \edef\@anim@every{-\@anim@every}%
416   \def\@anim@relop{<}%
417   \edef\@anim@numtemplate{\@anim@last}%
418 \fi%
419 \global\@anim@curframe=\@anim@first%
420 \global\@anim@curframe@zb=\z@%
421 %
422 \if@anim@draft%
423   \if@anim@multipage%
424     %store file in a box
425     \@anim@filebox{\@anim@pathtofile}{\@anim@first}%
426   \else%
427     %get file name extension
428     \@anim@getpath{\@anim@base\@anim@first}{\@anim@ftype}%
429     \@anim@filebox{\@anim@pathtofile}{1}%
430   \fi%
431   \@anim@scale{\@anim@box}%
432   %draw draftbox according to dimensions of the first frame
433   \@anim@draftbox%
434 \else%
435   \if@anim@controls%
436     %create button faces only once in the current colour combination
437     \ifcsname

```



```

438         btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
439         \@anim@makebuttons{\the\@anim@num}%
440         \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
441         \fi%
442     \fi%
443     \xdef\@anim@nfps{#2\space}% current frame rate
444     \xdef\@anim@nfps{\expandafter\zap@space\@anim@nfps\@empty}%
445     \ifdim\@anim@nfps\p<\z@%
446         \PackageError{animate}{%
447             Negative frame rate '\@anim@nfps' is not allowed%
448         }{}%
449     \fi%
450     \xdef\@anim@fps{\@anim@nfps}%
451     %
452     %read all frames of the sequence
453     \loop\ifnum\@anim@curframe\@anim@relop\@anim@last\relax\else%
454         \if@anim@multipage%
455             %embed graphics
456             \@anim@ximage{\the\@anim@num}{\the\@anim@curframe@zb}{%
457                 \@anim@pathtofile}{\the\@anim@curframe}%
458             \else%
459                 %get path to current file end its extension
460                 \@anim@getpath{%
461                     \@anim@base\@anim@pad{\@anim@numtemplate}{\the\@anim@curframe}%
462                 }{\@anim@ftype}%
463                 %embed graphics
464                 \@anim@ximage{\the\@anim@num}{\the\@anim@curframe@zb}{%
465                     \@anim@pathtofile}{1}%
466                 \fi%
467                 \global\advance\@anim@curframe by \@anim@every%
468                 \global\advance\@anim@curframe@zb by \@ne%
469             \repeat%
470             \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
471             \global\@anim@tmpcnt=\@anim@frames%
472             \global\advance\@anim@tmpcnt by -\@ne%
473             \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
474             %build timeline from optional timeline file
475             \@anim@sanitizeJS%
476             \if@anim@timeline\@anim@buildtmtn{\the\@anim@num}\fi%
477             % if last frame used as poster, write frame num to aux file
478             \ifnum\@anim@poster=\@anim@mone\relax%
479                 \@anim@keytoaux{a\the\@anim@num.poster}{\@anim@maxframe}%
480             \fi%
481             %insert animation widget & controls
482             \@anim@insertwidgets{\the\@anim@num}{%
483                 \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
484             \@anim@endsanitize%
485         \fi%
486     \endL%
487 \endgroup%

```



```

488 \global\advance\@anim@num by \@ne%
489 }%
490 %adjust catcode of `:' character within \animategraphics
491 \let\@anim@animategraphics\animategraphics
492 \def\animategraphics{\@anim@sanitizeColon\@anim@animategraphics}
493
494
495
496 %user environment for animating inline graphics
497 % #1: options
498 % #2: frame rate (fps)
499 \renewenvironment{animateinline}[2][\{%
500   \@anim@endsanitize%
501   \leavevmode%
502   \@anim@reset% to default settings
503   \beginngroup%
504   \beginL%
505   % make use of graphic[xs] search path
506   \ifcsname Ginput@path\endcsname%
507     \let\input@path\Ginput@path%
508   \fi%
509   \setkeys{anim@user}{#1}%
510   \ifthenelse{\boolean{@anim@autoplay}}\OR\boolean{@anim@autoresume}}{\%
511     \setboolean{@anim@autoplayorresume}{true}%
512   }{}%
513   \ifthenelse{\boolean{@anim@controls}}\OR\boolean{@anim@palindrome}}{\%
514     \setboolean{@anim@morejs}{true}%
515   }{}%
516   \ifx\empty\@anim@label\empty\else%
517     \setboolean{@anim@morejs}{true}%
518   \fi%
519   \ifthenelse{\NOT\boolean{@anim@controls}}\AND\boolean{@anim@step}}{\%
520     \setboolean{@anim@loop}{true}%
521   }{}%
522   \global\@anim@curframe@zb=\z@%
523   \global\@anim@skipfram=\z@%
524   \if@anim@draft\else%
525     %create button faces if necessary
526     \if@anim@controls%
527       \ifcsname
528         btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
529         \@anim@makebuttons{\the\@anim@num}%
530         \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
531       \fi%
532     \fi%
533     \if@anim@step\else%
534       \xdef\@anim@nfps{-1}%
535       \@anim@processfpsarg{#2}%
536     \fi%
537   \fi%

```



```

538 \ifdefined\NoHyper\NoHyper\fi% silently suppress any hyperref specials
539 \let\newframe\@anim@\newframe%
540 \let\multiframe\@anim@\multiframe%
541 \@anim@beginframe%
542 \ignorespaces%
543 }{
544 \unskip%
545 \@anim@endframe{\the\@anim@num}{\the\@anim@curframe@zb}%
546 \ifdefined\endNoHyper\endNoHyper\fi%
547 \global\advance\@anim@curframe@zb by \@ne%
548 \if@anim@draft\else%
549 \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
550 \global\@anim@tmpcnt=\@anim@frames%
551 \global\advance\@anim@tmpcnt by -\@ne%
552 \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
553 %build timeline from optional timeline file
554 \@anim@sanitizeJS%
555 \if@anim@timeline\@anim@buildtmtn{\the\@anim@num}\fi%
556 %insert animation widget & controls
557 \@anim@insertwidgets{\the\@anim@num}{%
558   \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
559 \@anim@endsanitize%
560 % if last frame used as poster, write frame num to aux file
561 \ifnum\@anim@poster=\@anim@mone\relax%
562   \@anim@keytoaux{a\the\@anim@num.poster}{\@anim@maxframe}%
563 \fi%
564 \fi%
565 \endL%
566 \endgroup%
567 \global\advance\@anim@num by \@ne%
568 }
569 \let\@anim@animateinline\animateinline
570 \def\animateinline{\@anim@sanitizeColon\@anim@animateinline}

```

7.9 array-xetex-bidi.def

```

571 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeTeX]
572 \def\@testpach{\@chclass
573 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
574 \ifnum \@lastchclass=7 5 \else
575 \ifnum \@lastchclass=8 \tw@ \else
576 \ifnum \@lastchclass=9 \thr@@
577 \else \z@
578 \ifnum \@lastchclass = 10 \else
579 \edef\@nextchar{\expandafter\string\@nextchar}%
580 \@chnum
581 \if \@nextchar c\z@ \else
582 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
583 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
584 \z@ \@chclass

```




```

585 \if\@nextchar |\@ne \else
586 \if \@nextchar !6 \else
587 \if \@nextchar @7 \else
588 \if \@nextchar <8 \else
589 \if \@nextchar >9 \else
590 10
591 \@chnum
592 \if \@nextchar m\thr@@\else
593 \if \@nextchar p4 \else
594 \if \@nextchar b5 \else
595 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
596 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
597 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
598 \leavevmode
599 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
600 \let\d@llarend\endR
601 \@tabarray}
602 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
603 \expandafter\let\csname endtabular*\endcsname=\endtabular
604 \def\@array[#1]#2{%
605 \@tempdima \ht \strutbox
606 \advance \@tempdima by\extrarowheight
607 \setbox \@arstrutbox \hbox{\vrule
608 \@height \arraystretch \@tempdima
609 \@depth \arraystretch \dp \strutbox
610 \@width \z@}%
611 \beginR
612 \@mkpream{#2}%
613 \xdef\@preamble{\noexpand \ialign \@halignto
614 \bgroup \@arstrut \@preamble
615 \tabskip \z@ \cr}%
616 \endR
617 \@arrayleft
618 \if #1t\top \else \if#1b\bottom \else \vcenter \fi \fi
619 \bgroup
620 \let \@sharp ##\let \protect \relax
621 \lineskip \z@
622 \baselineskip \z@
623 \m@th
624 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1t\top
625 \def\@tabarray{\@ifnextchar [{\@array}{\@array[c]}}
626 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
627 \def\array{\col@sep\arraycolsep
628 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}
629 \@RTLtabfalse\@tabarray}

```

7.10 article-xetex-bidi.def

```

630 \ProvidesFile{article-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for standard article class]
631 \if@titlepage

```



```

632 \renewcommand\maketitle{\begin{titlepage}%
633 \let\footnotesize\small
634 \let\right@footnoterule\relax
635 \let\left@footnoterule\relax
636 \let\textwidth@footnoterule\relax
637 \let \footnote \thanks
638 \let \LTRfootnote \LTRthanks
639 \let \RTLfootnote \RTLthanks
640 \null\vfil
641 \vskip 60\p@
642 \begin{center}%
643 {\LARGE \@title \par}%
644 \vskip 3em%
645 {\large
646 \lineskip .75em%
647 \begin{tabular}[t]{c}%
648 \@author
649 \end{tabular}\par}%
650 \vskip 1.5em%
651 {\large \@date \par}% % Set date in \large size.
652 \end{center}\par
653 \@thanks
654 \vfil\null
655 \end{titlepage}%
656 \setcounter{footnote}{0}%
657 \global\let\thanks\relax
658 \global\let\LTRthanks\relax
659 \global\let\RTLthanks\relax
660 \global\let\maketitle\relax
661 \global\let\@thanks\@empty
662 \global\let\@author\@empty
663 \global\let\@date\@empty
664 \global\let\@title\@empty
665 \global\let\title\relax
666 \global\let\author\relax
667 \global\let\date\relax
668 \global\let\and\relax
669 }
670 \else
671 \renewcommand\maketitle{\par
672 \begingroup
673 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
674 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
675 \long\def\@makefntext##1{\parindent 1em\noindent
676 \hb@xt@1.8em{%
677 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
678 \if@twocolumn
679 \ifnum \col@number=\@ne
680 \@maketitle
681 \else

```



```

682     \twocolumn[\@maketitle]%
683     \fi
684   \else
685     \newpage
686     \global\@topnum\z@    % Prevents figures from going at top of page.
687     \@maketitle
688     \fi
689     \thispagestyle{plain}\@thanks
690 \endgroup
691 \setcounter{footnote}{0}%
692 \global\let\thanks\relax
693 \global\let\LTRthanks\relax
694 \global\let\RTLthanks\relax
695 \global\let\maketitle\relax
696 \global\let\@maketitle\relax
697 \global\let\@thanks\@empty
698 \global\let\@author\@empty
699 \global\let\@date\@empty
700 \global\let\@title\@empty
701 \global\let\title\relax
702 \global\let\author\relax
703 \global\let\date\relax
704 \global\let\and\relax
705 }
706 \def\@maketitle{%
707   \newpage
708   \null
709   \vskip 2em%
710   \begin{center}%
711     \let \footnote \thanks
712     \let \LTRfootnote \LTRthanks
713     \let \RTLfootnote \RTLthanks
714     {\LARGE \@title \par}%
715     \vskip 1.5em%
716     {\large
717       \lineskip .5em%
718       \begin{tabular}[t]{c}%
719         \@author
720       \end{tabular}\par}%
721     \vskip 1em%
722     {\large \@date}%
723   \end{center}%
724   \par
725   \vskip 1.5em}
726 \fi
727 \renewcommand*\l@part[2]{%
728   \ifnum \c@tocdepth >-2\relax
729     \addpenalty\@secpenalty
730     \addvspace{2.25em \@plus\p@}%
731     \setlength\@tempdima{3em}%

```



```

732 \begingroup
733 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
734 \parfillskip -\@pnumwidth
735 {\leavevmode
736 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
737 \nobreak
738 \if@compatibility
739 \global\@nobreaktrue
740 \everypar{\global\@nobreakfalse\everypar{}}%
741 \fi
742 \endgroup
743 \fi}
744 \renewcommand*{\l@section[2]}{%
745 \ifnum \c@tocdepth >\z@
746 \addpenalty\@secpenalty
747 \addvspace{1.0em \@plus\p@}%
748 \setlength\@tempdima{1.5em}%
749 \begingroup
750 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
751 \parfillskip -\@pnumwidth
752 \leavevmode \bfseries
753 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
754 \hskip -\if@RTL\rightskip\else\leftskip\fi
755 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
756 \endgroup
757 \fi}
758 \renewcommand\left@footnoterule{%
759 \kern-3\p@
760 \hrule\@width.4\columnwidth
761 \kern2.6\p@}
762 \renewcommand\right@footnoterule{%
763 \kern-3\p@
764 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
765 \kern2.6\p@}
766 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
767 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
768 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
769 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
770 \def\@part[#1]#2{%
771 \ifnum \c@secnumdepth >\m@ne
772 \refstepcounter{part}%
773 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
774 \else
775 \addcontentsline{toc}{part}{#1}%
776 \fi
777 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
778 \interlinepenalty \@M
779 \normalfont
780 \ifnum \c@secnumdepth >\m@ne
781 \Large\bfseries \partname\nobreakspace\thepart

```



```

782     \par\nobreak
783     \fi
784     \huge \bfseries #2%
785     \markboth{}{}\par}%
786     \nobreak
787     \vskip 3ex
788     \@afterheading}
789 \renewenvironment{thebibliography}[1]
790     {\section*{\refname}%
791     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
792     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
793     \list{\@biblabel{\@arabic\c@enumiv}}%
794         {\settowidth\labelwidth{\@biblabel{#1}}%
795         \leftmargin\labelwidth
796         \advance\leftmargin\labelsep
797         \@openbib@code
798         \usecounter{enumiv}%
799         \let\p@enumiv\@empty
800         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
801     \sloppy
802     \clubpenalty4000
803     \@clubpenalty \clubpenalty
804     \widowpenalty4000%
805     \sfcode`.\@m}
806     {\def\@noitemerr
807     {\@latex@warning{Empty `thebibliography' environment}}}%
808     \endlist}
809 \renewenvironment{theindex}
810     {\if@twocolumn
811     \@restonecolfalse
812     \else
813     \@restonecoltrue
814     \fi
815     \columnseprule \z@
816     \columnsep 35\p@
817     \twocolumn[\section*{\indexname}]%
818     \@mkboth{\MakeUppercase\indexname}%
819     {\MakeUppercase\indexname}%
820     \thispagestyle{plain}\parindent\z@
821     \parskip\z@ \@plus .3\p@\relax
822     \let\item\@idxitem}
823     {\if@restonecol\onecolumn\else\clearpage\fi}

```

7.11 artikel1-xetex-bidi.def

```

824 \ProvidesFile{artikel1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel1 class for X
825 \renewenvironment{theindex}{%
826     \if@twocolumn
827     \@restonecolfalse
828     \else

```



```

829 \restonecoltrue
830 \fi
831 \columnseprule \z@
832 \columnsep 35\p@
833 \twocolumn[\section*{\indexname}]%
834 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
835 \thispagestyle{plain}\parindent\z@
836 \parskip\z@ \@plus .3\p@\relax
837 \let\item\@idxitem
838 }{%
839 \if@restonecol\onecolumn\else\clearpage\fi}
840 \renewcommand*{\head@style}{%
841 \interlinepenalty \@M
842 \hyphenpenalty=\@M \exhyphenpenalty=\@M
843 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
844 \if@titlepage
845 \renewenvironment{abstract}{%
846 \titlepage
847 \null\vfil
848 \section*{\SectFont\abstractname}
849 \noindent\ignorespaces}
850 {\par\vfil\null\endtitlepage}
851 \else
852 \renewenvironment{abstract}{%
853 \if@twocolumn
854 \section*{\abstractname}%
855 \else
856 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
857 \section*{\small\SectFont\abstractname}%
858 \noindent\ignorespaces
859 \fi}
860 {\if@twocolumn\else\par\egroup\fi}
861 \fi
862 \renewcommand*{\@regtocline}[3]{%
863 \ifnum #1>\c@tocdepth
864 \else
865 \vskip\z@ \@plus .2\p@
866 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
867 \if@RTL\rightskip\else\leftskip\fi\unitindent
868 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
869 \parfillskip\z@
870 \@tempdima\unitindent
871 \parindent\z@
872 \leavevmode
873 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
874 \hskip 1em \nobreak{\slshape #3}\par
875 }%
876 \fi}
877 \if@oldtoc
878 \renewcommand*{\l@part}[2]{%

```



```

879 \ifnum \c@tocdepth >-2\relax
880 \addpenalty\@secpenalty
881 \addvspace{2.25em \@plus\p@}%
882 \begingroup
883 \setlength\@tempdima{3em}%
884 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
885 \parfillskip -\@pnumwidth
886 {\leavevmode
887 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
888 \nobreak
889 \if@compatibility
890 \global\@nobreaktrue
891 \everypar{\global\@nobreakfalse\everypar{}}%
892 \fi
893 \endgroup
894 \fi}
895 \else
896 \renewcommand*\l@part{%
897 \ifnum \c@tocdepth >-2\relax
898 \addpenalty\@secpenalty
899 \addvspace{2.25em \@plus \p@}%
900 \@regtocline{0}%
901 \fi}
902 \fi
903 \if@oldtoc
904 \renewcommand*\l@section[2]{%
905 \addpenalty\@secpenalty
906 \addvspace{1.0em \@plus\p@}%
907 \setlength\@tempdima{1.5em}%
908 \begingroup
909 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
910 \parfillskip -\@pnumwidth
911 \leavevmode \bfseries
912 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
913 \hskip -\if@RTL\rightskip\else\leftskip\fi
914 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
915 \endgroup}
916 \else
917 \renewcommand*\l@section{\@regtocline{1}}
918 \fi
919 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
920 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
921 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
922 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
923 \renewenvironment{thebibliography}[1]
924 {\section*\{refname\}%
925 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
926 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
927 \list{\@biblabel{\@arabic\c@enumiv}}%
928 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

929         \leftmargin\labelwidth
930         \advance\leftmargin\labelsep
931         \@openbib@code
932         \usecounter{enumiv}%
933         \let\p@enumiv\@empty
934         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
935     \sloppy\clubpenalty4000\widowpenalty4000%
936     \sfcode`.\@m}
937     {\def\@noitemerr
938      {\@latex@warning{Empty `thebibliography' environment}}}%
939     \endlist}
940 \renewcommand*\left@footnoterule{%
941   \kern-3\p@
942   \kern.5\baselineskip
943   \hrule\@width\unitindent
944   \kern.4\baselineskip
945 }
946 \renewcommand*\right@footnoterule{%
947   \kern-3\p@
948   \kern.5\baselineskip
949   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
950   \kern.4\baselineskip}
951 \if@titlepage
952 \renewcommand*\TitleFont{\rmfamily}
953 \renewcommand*\maketitle{%
954   \begin{titlepage}%
955     \let\footnotesize\small
956     \let\right@footnoterule\relax
957     \let\left@footnoterule\relax
958     \let\textwidth@footnoterule\relax
959     \let \footnote \thanks
960     \long\def\@makefnmark##1{\parindent\z@
961       \def\labelitemi{\textendash}\@revlabeltrue
962       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
963     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
964     \if@compatibility\setcounter{page}{0}\fi
965     \null\vfil
966     \vskip 60\p@
967     \begin{center}%
968       \TitleFont
969       {\LARGE \def\\{\penalty -\@M}
970        \if@allcaps
971          \expandafter\uc@nothanks\@title\thanks\relax
972        \else
973          \@title
974        \fi\par}%
975       \vskip 3em%
976       {\large
977        \lineskip .75em \parindent\z@
978        \begin{tabular}[t]{c}%

```




```

979         \if@allcaps
980             \expandafter\uc@authornothanks \@author\and\relax
981         \else
982             \@author
983         \fi
984     \end{tabular}\par}%
985     \vskip 1.5em%
986     {\large
987         \if@allcaps
988             \uppercase\expandafter{\@date}%
989         \else
990             \@date
991         \fi\par}%
992     \end{center}\par
993     \@thanks
994     \vfil\null
995 \end{titlepage}%
996 \setcounter{footnote}{0}%
997 \global\let\thanks\relax
998 \global\let\maketitle\relax
999 \global\let\@thanks\@empty
1000 \global\let\@author\@empty
1001 \global\let\@title\@empty
1002 \global\let\@date\@empty
1003 \global\let\title\relax
1004 \global\let\author\relax
1005 \global\let\date\relax
1006 \global\let\and\relax
1007 }
1008 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1009 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1010     \futurelet\@tempa\uc@ax}
1011 \def\uc@ax{%
1012     \ifx\@tempa\relax
1013     \else
1014         \ \andname \ \ \expandafter\uc@authornothanks
1015     \fi}
1016 \def\uc@tx{\ifx\@tempa\relax
1017     \else \expandafter\uc@ty \fi}
1018 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1019 \else
1020 \renewcommand*\maketitle{\par
1021     \begin{group}
1022         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1023         \def\@makefnmark{\rlap{%
1024             \@textsuperscript{\normalfont\@thefnmark}}}%
1025         \long\def\@makefntext{\@xmakefntext{%
1026             \@textsuperscript{\normalfont\@thefnmark}}}%
1027         \if@twocolumn
1028             \ifnum \col@number=\@ne

```



```

1029         \@maketitle
1030     \else
1031         \twocolumn[\@maketitle]%
1032     \fi
1033 \else
1034     \newpage
1035     \global\@topnum\z@
1036     \@maketitle
1037 \fi
1038 \thispagestyle{plain}\@thanks
1039 \endgroup
1040 \setcounter{footnote}{0}%
1041 \global\let\thanks\relax
1042 \global\let\maketitle\relax
1043 \global\let\@maketitle\relax
1044 \global\let\@thanks\@empty
1045 \global\let\@author\@empty
1046 \global\let\@title\@empty
1047 \global\let\@date\@empty
1048 \global\let\title\relax
1049 \global\let\author\relax
1050 \global\let\date\relax
1051 \global\let\and\relax
1052 }
1053 \def\@maketitle{%
1054     \newpage
1055     \null
1056     \vskip 2em%
1057     \begin{center}%
1058         \let \footnote \thanks
1059         {\LARGE \TitleFont \@title \par}%
1060         \vskip 1.5em%
1061         {\large \TitleFont
1062             \lineskip .5em%
1063             \begin{tabular}[t]{c}%
1064                 \@author
1065             \end{tabular}\par}%
1066         \vskip 1em%
1067         {\large \TitleFont \@date}%
1068     \end{center}%
1069     \par
1070     \vskip 1.5em}
1071 \fi

```

7.12 artikel2-xetex-bidi.def

```

1072 \ProvidesFile{artikel2-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel2 class for X
1073 \renewenvironment{theindex}{%
1074     \if@twocolumn
1075         \@restonecolfalse

```



```

1076 \else
1077   \@restonecoltrue
1078 \fi
1079 \columnseprule \z@
1080 \columnsep 35\p@
1081 \twocolumn[\section*{\indexname}]%
1082 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1083 \thispagestyle{plain}\parindent\z@
1084 \parskip\z@ \@plus .3\p@\relax
1085 \let\item\@idxitem
1086 }{%
1087 \if@restonecol\onecolumn\else\clearpage\fi}
1088 \renewcommand*\@regtocline[3]{%
1089 \ifnum #1>\c@tocdepth
1090 \else
1091   \vskip\z@ \@plus .2\p@
1092   {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1093   \if@RTL\righskip\else\leftskip\fi\unitindent
1094   \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
1095   \parfillskip\z@
1096   \@tempdima\unitindent
1097   \advance\@tempdima by \othermargin
1098   \parindent\z@
1099   \leavevmode
1100   \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
1101   \hskip 1em \nobreak{\slshape #3}\par
1102   }%
1103 \fi}
1104 \if@oldtoc
1105 \renewcommand*\l@section[2]{%
1106   \addpenalty\@secpenalty
1107   \addvspace{1.0em \@plus\p@}%
1108   \setlength\@tempdima{1.5em}%
1109   \begingroup
1110   \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
1111   \parfillskip -\@pnumwidth
1112   \leavevmode \bfseries
1113   \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
1114   \hskip -\if@RTL\righskip\else\leftskip\fi
1115   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1116   \endgroup}
1117 \else
1118 \renewcommand*\l@section{\@regtocline{1}}
1119 \fi
1120 \if@oldtoc
1121 \renewcommand*\l@part[2]{%
1122 \ifnum \c@tocdepth >-2\relax
1123   \addpenalty\@secpenalty
1124   \addvspace{2.25em \@plus\p@}%
1125   \begingroup

```



```

1126 \setlength\@tempdima{3em}%
1127 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1128 \parfillskip -\@pnumwidth
1129 {\leavevmode
1130 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1131 \nobreak
1132 \if@compatibility
1133 \global\@nobreaktrue
1134 \everypar{\global\@nobreakfalse\everypar{}}%
1135 \fi
1136 \endgroup
1137 \fi}
1138 \else
1139 \renewcommand*\l@part{%
1140 \ifnum \c@tocdepth >-2\relax
1141 \addpenalty\@secpenalty
1142 \addvspace{2.25em \@plus \p@}%
1143 \@regtocline{0}%
1144 \fi}
1145 \fi
1146 \renewcommand*\head@style{%
1147 \interlinepenalty \@M
1148 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1149 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1150 \if@titlepage
1151 \renewenvironment{abstract}{%
1152 \titlepage
1153 \null\vfil
1154 \section*{\SectFont\abstractname}%
1155 \noindent\ignorespaces}
1156 {\par\vfil\null\endtitlepage}
1157 \else
1158 \renewenvironment{abstract}{%
1159 \if@twocolumn
1160 \section*{\abstractname}%
1161 \else
1162 \section*{\hspace\unitindent\small\SectFont\abstractname}%
1163 \list{}{\setlength\listparindent{\unitindent}%
1164 \setlength\parindent {\z@}%
1165 \setlength\leftmargin {\unitindent}%
1166 \setlength\rightmargin {\unitindent}%
1167 \setlength\parsep {\z@}}%
1168 \item[]%
1169 \fi}
1170 {\if@twocolumn\else\par\endlist\fi}
1171 \fi
1172 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1173 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1174 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1175 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```



```

1176 \renewcommand*\left@footnoterule{%
1177   \kern-3\p@
1178   \hrule\@width 3\unitindent
1179   \kern 2.6\p@
1180 }
1181 \renewcommand*\right@footnoterule{%
1182   \kern-3\p@
1183   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
1184   \kern 2.6\p@}
1185 \renewenvironment{thebibliography}[1]
1186   {\section*{\refname}%
1187    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1188    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1189    \list{\@biblabel{\@arabic\c@enumiv}}%
1190          {\settowidth\labelwidth{\@biblabel{#1}}%
1191           \leftmargin\labelwidth
1192           \advance\leftmargin\labelsep
1193           \@openbib@code
1194           \usecounter{enumiv}%
1195           \let\p@enumiv\@empty
1196           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1197    \sloppy\clubpenalty4000\widowpenalty4000%
1198    \sfcode`\.\@m}
1199    {\def\@noitemerr
1200     {\@latex@warning{Empty `thebibliography' environment}}%
1201     \endlist}
1202 \if@titlepage
1203 \renewcommand*\TitleFont{\rmfamily}
1204 \renewcommand*\maketitle{%
1205   \begin{titlepage}%
1206     \let\footnotesize\small
1207     \let\right@footnoterule\relax
1208     \let\left@footnoterule\relax
1209     \let\textwidth@footnoterule\relax
1210     \let \footnote \thanks
1211     \long\def\@makefnmark##1{\parindent\z@
1212       \def\labelitemi{\textendash}\@revlabeltrue
1213       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1214     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1215     \if@compatibility\setcounter{page}{0}\fi
1216     \null\vfil
1217     \vskip 60\p@
1218     \begin{center}%
1219       \TitleFont
1220       {\LARGE \def\\{\penalty -\@M}
1221        \if@allcaps
1222          \expandafter\uc@nothanks\@title\thanks\relax
1223        \else
1224          \@title
1225        \fi\par}%

```



```

1226     \vskip 3em%
1227     {\large
1228       \lineskip .75em \parindent\z@
1229       \begin{tabular}[t]{c}%
1230         \if@allcaps
1231           \expandafter\uc@authornothanks\@author\and\relax
1232         \else
1233           \@author
1234         \fi
1235       \end{tabular}\par}%
1236     \vskip 1.5em%
1237     {\large
1238       \if@allcaps
1239         \uppercase\expandafter{\@date}%
1240       \else
1241         \@date
1242       \fi\par}%
1243     \end{center}\par
1244     \@thanks
1245     \vfil\null
1246   \end{titlepage}%
1247   \setcounter{footnote}{0}%
1248   \global\let\thanks\relax
1249   \global\let\maketitle\relax
1250   \global\let\@thanks\@empty
1251   \global\let\@author\@empty
1252   \global\let\@title\@empty
1253   \global\let\@date\@empty
1254   \global\let\title\relax
1255   \global\let\author\relax
1256   \global\let\date\relax
1257   \global\let\and\relax
1258 }
1259 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1260 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1261   \futurelet\@tempa\uc@ax}
1262 \def\uc@ax{%
1263   \ifx\@tempa\relax
1264   \else
1265     \\\ \andname \\\ \expandafter\uc@authornothanks
1266   \fi}
1267 \def\uc@tx{\ifx\@tempa\relax
1268   \else \expandafter\uc@ty \fi}
1269 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1270 \else
1271 \renewcommand*\maketitle{\par
1272   \begingroup
1273     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1274     \long\def\@makefnintext##1{\parindent\z@
1275       \def\labelitemi{\textendash}%

```



```

1276      \leavevmode\hb@xt@.5\unitindent{%
1277      \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1278  \if@twocolumn
1279      \ifnum \col@number=\@ne
1280          \@maketitle
1281      \else
1282          \twocolumn[\@maketitle]%
1283      \fi
1284  \else
1285      \newpage
1286      \global\@topnum\z@
1287      \@maketitle
1288  \fi
1289  \thispagestyle{plain}\@thanks
1290 \endgroup
1291 \setcounter{footnote}{0}%
1292 \global\let\thanks\relax
1293 \global\let\maketitle\relax
1294 \global\let\@maketitle\relax
1295 \global\let\@thanks\@empty
1296 \global\let\@author\@empty
1297 \global\let\@title\@empty
1298 \global\let\@date\@empty
1299 \global\let\title\relax
1300 \global\let\author\relax
1301 \global\let\date\relax
1302 \global\let\and\relax
1303 }
1304 \def\@maketitle{%
1305     \newpage
1306     \null
1307     \vskip 2em%
1308     \begin{center}%
1309         \let \footnote \thanks
1310         {\LARGE \TitleFont \@title \par}%
1311         \vskip 1.5em%
1312         {\large \TitleFont
1313             \lineskip .5em%
1314             \begin{tabular}[t]{c}%
1315                 \@author
1316             \end{tabular}\par}%
1317         \vskip 1em%
1318         {\large \TitleFont \@date}%
1319     \end{center}%
1320     \par
1321     \vskip 1.5em}
1322 \fi

```

7.13 artikel3-xetex-bidi.def



```

1323 \ProvidesFile{artikel3-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for artikel3 class for X
1324 \renewenvironment{theindex}{%
1325   \if@twocolumn
1326     \@restonecolfalse
1327   \else
1328     \@restonecoltrue
1329   \fi
1330   \columnseprule \z@
1331   \columnsep 35\p@
1332   \twocolumn[\section*{\indexname}]%
1333   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1334   \thispagestyle{plain}\parindent\z@
1335   \parskip\z@ \@plus .3\p@\relax
1336   \let\item\@idxitem
1337 }{%
1338   \if@restonecol\onecolumn\else\clearpage\fi}
1339 \renewcommand*\head@style{%
1340   \interlinepenalty \@M
1341   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1342   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1343 \renewcommand*\@regtocline[3]{%
1344   \ifnum #1>\c@tocdepth
1345   \else
1346     \vskip\z@\@plus.2\p@
1347     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1348     \if@RTL\rightskip\else\leftskip\fi\unitindent
1349     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1350     \parfillskip\z@
1351     \@tempdima\unitindent
1352     \parindent\z@
1353     \leavevmode
1354     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1355     \hskip 1em \nobreak{\slshape #3}\par
1356   }%
1357   \fi}
1358 \if@oldtoc
1359 \renewcommand*\l@part[2]{%
1360   \ifnum \c@tocdepth >-2\relax
1361     \addpenalty\@secpenalty
1362     \addvspace{2.25em \@plus\p@}%
1363     \begingroup
1364       \setlength\@tempdima{3em}%
1365       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1366       \parfillskip -\@pnumwidth
1367       {\leavevmode
1368         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1369       \nobreak
1370       \if@compatibility
1371       \global\@nobreaktrue
1372       \everypar{\global\@nobreakfalse\everypar{}}%

```




```

1373     \fi
1374   \endgroup
1375 \fi}
1376 \else
1377   \renewcommand*\l@part{%
1378     \ifnum \c@tocdepth >-2\relax
1379     \addpenalty\@secpenalty
1380     \addvspace{2.25em \@plus \p@}%
1381     \@regtocline{0}%
1382   \fi}
1383 \fi
1384
1385 \if@oldtoc
1386 \renewcommand*\l@section[2]{%
1387   \addpenalty\@secpenalty
1388   \addvspace{1.0em \@plus \p@}%
1389   \setlength\@tempdima{1.5em}%
1390   \begingroup
1391   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1392   \parfillskip -\@pnumwidth
1393   \leavevmode \bfseries
1394   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1395   \hskip -\if@RTL\rightskip\else\leftskip\fi
1396   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1397   \endgroup}
1398 \else
1399   \renewcommand*\l@section{\@regtocline{1}}
1400 \fi
1401 \if@titlepage
1402   \renewenvironment{abstract}{%
1403     \titlepage
1404     \null\vfil
1405     \section*{\SectFont\abstractname}%
1406     \noindent\ignorespaces}
1407   {\par\vfil\null\endtitlepage}
1408 \else
1409   \renewenvironment{abstract}{%
1410     \if@twocolumn
1411       \section*{\abstractname}%
1412     \else
1413       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1414       \section*{\small\SectFont\abstractname}%
1415       \noindent\ignorespaces
1416     \fi}
1417   {\if@twocolumn\else\par\egroup\fi}
1418 \fi
1419 \renewcommand*\left@footnoterule{%
1420   \kern-3\p@
1421   \kern.5\baselineskip
1422   \hrule\@width\unitindent

```



```

1423 \kern.4\baselineskip
1424 }
1425 \renewcommand*\right@footnoterule{%
1426 \kern-3\p@
1427 \kern.5\baselineskip
1428 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1429 \kern.4\baselineskip}
1430 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1431 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1432 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1433 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1434 \renewenvironment{thebibliography}[1]
1435 {
1436 \section*{\refname}%
1437 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1438 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1439 \list{\@biblabel{\@arabic\c@enumiv}}%
1440 {\settowidth\labelwidth{\@biblabel{#1}}%
1441 \leftmargin\labelwidth
1442 \advance\leftmargin\labelsep
1443 \openbib@code
1444 \usecounter{enumiv}%
1445 \let\p@enumiv\@empty
1446 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1447 \sloppy\clubpenalty4000\widowpenalty4000
1448 \sfcode`.\@m}
1449 {\def\@noitemerr
1450 {\@latex@warning{Empty `thebibliography' environment}}%
1451 \endlist}
1452 \if@titlepage
1453 \renewcommand*\TitleFont{\rmfamily}
1454 \renewcommand*\maketitle{%
1455 \begin{titlepage}%
1456 \let\footnotesize\small
1457 \let\right@footnoterule\relax
1458 \let\left@footnoterule\relax
1459 \let\textwidth\footnoterule\relax
1460 \let\footnote\thanks
1461 \long\def\@makefnmark##1{\parindent\z@
1462 \def\labelitemi{\textendash}\@revlabeltrue
1463 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1464 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1465 \if@compatibility\setcounter{page}{0}\fi
1466 \null\vfil
1467 \vskip 60\p@
1468 \begin{center}%
1469 \TitleFont
1470 {\LARGE \def\@penalty{-\@M}
1471 \if@allcaps
1472 \expandafter\uc@nothanks\@title\thanks\relax
1473 \else

```



```

1473         \@title
1474         \fi\par}%
1475     \vskip 3em%
1476     {\large
1477         \lineskip .75em \parindent\z@
1478         \begin{tabular}[t]{c}%
1479             \if@allcaps
1480                 \expandafter\uc@authornothanks\@author\and\relax
1481             \else
1482                 \@author
1483             \fi
1484         \end{tabular}\par}%
1485     \vskip 1.5em%
1486     {\large
1487         \if@allcaps
1488             \uppercase\expandafter{\@date}%
1489         \else
1490             \@date
1491         \fi\par}%
1492     \end{center}\par
1493     \@thanks
1494     \vfil\null
1495 \end{titlepage}%
1496 \setcounter{footnote}{0}%
1497 \global\let\thanks\relax
1498 \global\let\maketitle\relax
1499 \global\let\@thanks\@empty
1500 \global\let\@author\@empty
1501 \global\let\@title\@empty
1502 \global\let\@date\@empty
1503 \global\let\title\relax
1504 \global\let\author\relax
1505 \global\let\date\relax
1506 \global\let\and\relax
1507 }
1508 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1509 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1510     \futurelet\@tempa\uc@ax}
1511 \def\uc@ax{%
1512     \ifx\@tempa\relax
1513     \else
1514         \\\andname \\\expandafter\uc@authornothanks
1515     \fi}
1516 \def\uc@tx{\ifx\@tempa\relax
1517     \else \expandafter\uc@ty \fi}
1518 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1519 \else
1520 \renewcommand*\maketitle{\par
1521     \begingroup
1522     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%

```



```

1523 \def\@makefnmark{\rlap{%
1524 \textsuperscript{\normalfont\@thefnmark}}}%
1525 \long\def\@makefntext{\@xmakefntext{%
1526 \textsuperscript{\normalfont\@thefnmark}}}%
1527 \if@twocolumn
1528 \ifnum \col@number=\@ne
1529 \maketitle
1530 \else
1531 \twocolumn[\maketitle]%
1532 \fi
1533 \else
1534 \newpage
1535 \global\@topnum\z@
1536 \maketitle
1537 \fi
1538 \thispagestyle{plain}\@thanks
1539 \endgroup
1540 \setcounter{footnote}{0}%
1541 \global\let\thanks\relax
1542 \global\let\maketitle\relax
1543 \global\let\@maketitle\relax
1544 \global\let\@thanks\@empty
1545 \global\let\@author\@empty
1546 \global\let\@title\@empty
1547 \global\let\@date\@empty
1548 \global\let\title\relax
1549 \global\let\author\relax
1550 \global\let\date\relax
1551 \global\let\and\relax
1552 }
1553 \def\@maketitle{%
1554 \newpage
1555 \null
1556 \vskip 2em%
1557 \if@titlecentered
1558 \begin{center}%
1559 \let \footnote \thanks
1560 {\LARGE \TitleFont \@title \par}%
1561 \vskip 1.5em%
1562 {\large \TitleFont
1563 \lineskip .5em%
1564 \begin{tabular}[t]{c}%
1565 \@author
1566 \end{tabular}\par}%
1567 \vskip 1em%
1568 {\large \TitleFont \@date}%
1569 \end{center}%
1570 \else
1571 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1572 {\large \TitleFont \lineskip .5em \tabcolsep\z@

```



```

1573         \def\and{%% \begin{tabular} has already started
1574             \end{tabular}\hskip 1em plus .17fil
1575             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
1576             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1577     \vskip 1em {\large \TitleFont \@date}
1578 \fi
1579 \par
1580 \vskip 1.5em}
1581 \fi

```

7.14 arydshln-xetex-bidi.def

```

1582 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1583 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1584 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1585 \expandafter\let\csname endtabular*\endcsname\endtabular
1586 \let\adl@array\@array
1587 \def\@array{\adl@everyvbox\everyvbox
1588     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1589     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1590     \let\adl@noalign\noalign
1591     \adl@array}
1592 \ifadl@usingarypkg
1593 \def\@testpach{\@chclass
1594     \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1595     \ifnum \@lastchclass=7 5 \else
1596     \ifnum \@lastchclass=8 \tw@ \else
1597     \ifnum \@lastchclass=9 \thr@@
1598     \else \z@
1599     \ifnum \@lastchclass = 10 \else
1600     \edef\@nextchar{\expandafter\string\@nextchar}%
1601     \@chnum
1602     \if \@nextchar c\z@ \else
1603     \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1604     \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1605     \z@ \@chclass
1606     \if \@nextchar \|\@ne \let\@arrayrule\adl@arrayrule \else
1607     \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1608     \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1609     \if \@nextchar !6 \else
1610     \if \@nextchar @7 \else
1611     \if \@nextchar <8 \else
1612     \if \@nextchar >9 \else
1613     10
1614     \@chnum
1615     \if \@nextchar m\thr@@\else
1616     \if \@nextchar p4 \else
1617     \if \@nextchar b5 \else
1618     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1619     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```



```

1620
1621 \def\@classz{\@classx
1622   \@tempcnta \count@
1623   \prepnext@tok
1624   \@addtopreamble{\ifcase \@chnum
1625     \hfil
1626     \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1627     \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1628     \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1629     \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1630     \adl@endmbox\or
1631     \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1632     \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1633     \fi}\prepnext@tok}
1634 \def\adl@class@start{4}
1635 \def\adl@class@iiiorvii{7}
1636
1637 \else
1638 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1639   \ifnum \@lastchclass=\thr@@ 5\relax \else
1640     \z@ \if #1c\@chnum \z@ \else
1641       \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1642       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1643       \@chclass
1644       \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1645       \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1646       \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1647       \if #1@\tw@ \else
1648       \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1649       \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1650
1651 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1652   \or \or \@addamp \or
1653   \@acolampacol \or \@firststampfalse \@acol \fi
1654   \edef\@preamble{\@preamble
1655     \ifcase \@chnum
1656       \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1657       \or \adl@putlrc{\$relax\@sharp$}\hfil
1658       \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1659 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1660   \or \or \@addamp \or
1661   \@acolampacol \or \@firststampfalse \@acol \fi
1662   \edef\@preamble{\@preamble
1663     \ifcase \@chnum
1664       \hfil\adl@putlrc{\@sharp\unskip}\hfil
1665       \or \adl@putlrc{\@sharp\unskip}\hfil
1666       \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1667 \def\adl@class@start{6}
1668 \def\adl@class@iiiorvii{3}
1669 \fi

```



```

1670 \ifpackageloaded{colortbl}{%
1671 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1672 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1673 \let\@endpbox\adl@org@endpbox}
1674 \let\adl@CT@setup\CT@setup
1675 \def\CT@setup{\adl@CT@setup
1676 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1677 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1678 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1679 \let\adl@act@CT@setup\CT@setup
1680 \def\@classz{\@classx
1681 \@tempcnta\count@ \prepnext@tok
1682 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1683 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1684 \expandafter\adl@extract@drsc
1685 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1686 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1687 \@addtopreamble{\ifRTL\beginL\fi%
1688 \setbox\z@\hbox\bgroup\bgroup\ifRTL\beginR\fi
1689 \ifcase \@chnum
1690 \hskip\stretch{.5}\kern\z@
1691 \d@llarbegin
1692 \insert@column
1693 \d@llarend\hskip\stretch{.5}%
1694 \or \d@llarbegin \insert@column \d@llarend \hfill
1695 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1696 \or $\vcenter
1697 \@startpbox{\@nextchar}\insert@column \@endpbox $%
1698 \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1699 \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1700 \fi
1701 \ifRTL\endR\fi\egroup\egroup
1702 \begingroup
1703 \CT@setup
1704 \CT@column@color
1705 \CT@row@color
1706 \CT@cell@color
1707 \CT@do@color
1708 \endgroup
1709 \@tempdima\ht\z@
1710 \advance\@tempdima\minrowclearance
1711 \vrule\@height\@tempdima\@width\z@
1712 \unhbox\z@\ifRTL\endL\fi}%
1713 \prepnext@tok}
1714 \let\adl@act@classz\@classz
1715 \let\adl@org@classz\@classz
1716 }{}

```

7.15 bidi.sty



```

1717 \NeedsTeXFormat{LaTeX2e}
1718 \def\bididate{2016/11/25}
1719 \def\bidiversion{v20.4}
1720 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1721 Bidirectional typesetting in plain TeX and LaTeX]
1722 \edef\@bidi@info{*****~J%
1723 * ~J%
1724 * bidi package (Bidirectional typesetting in~J%
1725 * plain TeX and LaTeX, using XeTeX engine)~J%
1726 * ~J%
1727 * Description: A convenient interface for~J%
1728 * typesetting bidirectional texts in plain TeX~J%
1729 * and LaTeX. The package includes adaptations~J%
1730 * for use with many other commonly-used packages.~J%
1731 * ~J%
1732 * Copyright (c) 2009--2016 Vafa Khalighi~J%
1733 * ~J%
1734 * \bididate, \bidiversion~J%
1735 * ~J%
1736 * License: LaTeX Project Public License, version~J%
1737 * 1.3c or higher (your choice)~J%
1738 * ~J%
1739 * Location on CTAN: /macros/xetex/latex/bidi~J%
1740 * ~J%
1741 * Issue tracker: https://github.com/vafa/bidi/issues~J%
1742 * ~J%
1743 * Support: persian-tex@tug.org~J%
1744 *****}
1745 \typeout{\@bidi@info}
1746 \edef\bidi@everyjob{\the\everyjob}
1747 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1748 \RequirePackage{iftex}
1749 \RequireXeTeX
1750 \RequirePackage{biditools}
1751 \RequirePackage{zref-abspace}
1752 \RequirePackage{auxhook}
1753 \RequirePackage{ltxcmds}
1754 \RequirePackage{xkeyval}
1755 \eqnewif{\if@RTLmain}{\if@rlmain}
1756 \eqnewif{\if@RTL}{\if@rl}
1757 \newif\if@nonlatin
1758 \eqnewif{\if@RTLtab}{\if@tab@rl}
1759 \newif\if@RTLmarginpar
1760 \newif\if@LTRmarginpar
1761 \newif\if@LTRbibitems
1762 \newif\if@RTLbibitems
1763 \newif\if@extrafootnotefeatures
1764 \newif\if@parafootRTL
1765 \newif\if@RTLcolumnfootnotes
1766 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}

```




```

1767 \newif\if@bidi@list@minipage@parbox
1768 \newif\if@bidi@list@minipage@parbox@not@nob
1769 \@RTLmainfalse
1770 \AtBeginDocument{%
1771   \if@RTLmain\else
1772     \if@RTL\@RTLmaintrue%
1773     \else\@RTLmainfalse%
1774     \fi%
1775   \fi%
1776 }
1777 \let\n@xt=\
1778 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1779 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1780 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1781 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1782 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1783   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1784 \input{latex-xetex-bidi.def}
1785 \input{loadingorder-xetex-bidi.def}
1786 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1787   \ifcase\bidi@tempb\relax
1788     \@RTLtrue
1789   \or
1790     \@RTLfalse
1791   \fi}
1792 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1793   \ifcase\bidi@tempb\relax
1794     \@nonlatinfalse
1795   \or
1796     \@nonlatintrue
1797   \fi}
1798 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1799   \ifcase\bidi@tempb\relax
1800     \@RTLtrue
1801   \or
1802     \@RTLfalse
1803   \fi}
1804 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1805   \ifcase\bidi@tempb\relax
1806     \autofootnoterule
1807   \or
1808     \leftfootnoterule
1809   \or
1810     \rightfootnoterule
1811   \or
1812     \SplitFootnoteRule
1813   \or
1814     \textwidthfootnoterule
1815   \fi}
1816 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh

```



```

1817 \ifcase\bidit@tempb\relax
1818   \@RTL@footnotetrue
1819 \or
1820   \@RTL@footnotefalse
1821 \fi}
1822 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1823   \ifcase\bidit@tempb\relax
1824     \footdir@debugtrue
1825 \or
1826     \footdir@debugfalse
1827 \fi}
1828 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1829   \ifcase\bidit@tempb\relax
1830     \@extrafootnotefeaturestrue
1831 \or
1832     \@extrafootnotefeaturesfalse
1833 \fi}
1834
1835 \ProcessOptionsX
1836
1837 \if@extrafootnotefeatures
1838   \input{extrafootnotefeatures-xetex-bidi.def}
1839 \fi
1840 \newcount\bidi@digits
1841 \XeTeXinterchartokenstate=\@ne
1842 \newXeTeXintercharclass\bidi@digits@charclass
1843 \newXeTeXintercharclass\bidi@dot@charclass
1844 \newXeTeXintercharclass\bidi@dash@charclass
1845 \XeTeXcharclass \. \bidi@dot@charclass
1846 \XeTeXcharclass \- \bidi@dash@charclass
1847 \bidi@digits=\@0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1848 \bidi@digits=\@ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1849 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dot@charclass = {\DigitsDotDashInterCharToks}
1850 \XeTeXinterchartoks \bidi@dot@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharToks}
1851 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dash@charclass = {\DigitsDotDashInterCharToks}
1852 \XeTeXinterchartoks \bidi@dash@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharToks}
1853 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}

```

7.16 bidi.tex

```

1854 \def\bididate{2015/10/16}
1855 \def\bidiversion{v0.3}
1856 \catcode\@=11
1857 \let \protect \relax
1858 \newlinechar``^^J
1859 \edef\@bidi@info{*****~^J%
1860 * ~^J%
1861 * bidi package (Bidirectional typesetting in^^J%
1862 * plain TeX and LaTeX, using XeTeX engine)^^J%
1863 * ~^J%

```



```

1864 * Description: A convenient interface for^^J%
1865 * typesetting bidirectional texts in plain TeX^^J%
1866 * and LaTeX. The package includes adaptations^^J%
1867 * for use with many other commonly-used packages.^^J%
1868 * ^^J%
1869 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1870 * ^^J%
1871 * \bididate, \bidiversion^^J%
1872 * ^^J%
1873 * License: LaTeX Project Public License, version^^J%
1874 * 1.3c or higher (your choice)^^J%
1875 * ^^J%
1876 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1877 * ^^J%
1878 * Issue tracker: https://github.com/vafa/bidi/issues^^J%
1879 * ^^J%
1880 * Support: persian-tex@tug.org^^J%
1881 *****}
1882 \message{\@bidi@info}
1883 \edef\bidi@everyjob{the\everyjob}
1884 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1885 \input iftex.sty
1886 \RequireXeTeX
1887 \newif\if@RTLmain
1888 \newif\if@RTL
1889 \newif\if@sentedir
1890 \newif\if@RTL@footnote
1891 \@RTLmainfalse
1892 \def\setRTLmain{%
1893   \if@RTLmain\else
1894     \if@RTL\@RTLmaintrue%
1895     \else\@RTLmainfalse%
1896   \fi%
1897 \fi%
1898 }
1899 \let\n@xt=\
1900 \protected\def\LRE{\protect\pLRE}%
1901 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1902 \protected\def\RLE{\protect\pRLE}
1903 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1904 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1905   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1906 \input plain-xetex-bidi.def
1907 \catcode`\@=12

```

7.17 bidi2in1.sty

```

1908 \NeedsTeXFormat{LaTeX2e}
1909 \ProvidesPackage{bidi2in1}
1910 \pagestyle{plain}

```



```

1911 \newcount\evenpage
1912 \newcount\oddpge
1913 \twocolumn
1914 \def\@oddfoot{\evenpage=\thepage%
1915 \multiply\evenpage by 2%
1916 \oddpge=\the\evenpage%
1917 \advance\oddpge by -1%
1918 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1919 \def\@evenfoot{\evenpage=\thepage%
1920 \multiply\evenpage by 2%
1921 \oddpge=\the\evenpage%
1922 \advance\oddpge by -1%
1923 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1924 \textwidth 9.49in
1925 \textheight 6.7in
1926 \columnsep 0.9in
1927 \columnseprule 0.125pt
1928 \headheight 0cm
1929 \topmargin 0in
1930 \marginparwidth 0in
1931 \marginparsep 0in
1932 \hoffset 0.05in % Corrected
1933 \voffset -0.5in %top margin space is 1.0in by default
1934 \oddsidemargin 0in
1935 \evensidemargin 0in
1936 \headsep 0cm
1937 \topskip 0cm
1938 \parskip 0.15in %
1939 \headsep 0pt
1940 \special{papersize=11.69in,8.26in}
1941 \renewcommand\maketitle{\par
1942 \begingroup
1943 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1944 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1945 \long\def\@makefntext##1{\parindent 1em\noindent
1946 \hb@xt@1.8em{%
1947 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1948 \@maketitle
1949 \@thanks
1950 \endgroup
1951 \setcounter{footnote}{0}%
1952 \global\let\thanks\relax
1953 \global\let\maketitle\relax
1954 \global\let\@maketitle\relax
1955 \global\let\@thanks\@empty
1956 \global\let\@author\@empty
1957 \global\let\@date\@empty
1958 \global\let\@title\@empty
1959 \global\let\title\relax
1960 \global\let\author\relax

```



```

1961 \global\let\date\relax
1962 \global\let\and\relax
1963 }

```

7.18 bidicode.sty

```

1964 \NeedsTeXFormat{LaTeX2e}
1965 \ProvidesPackage{bidicode}
1966 \RequirePackage{xcolor}
1967 \RequirePackage{showexpl}
1968 \definecolor{hellgelb}{rgb}{1,1,0.85}
1969 \definecolor{colKeys}{rgb}{0,0,1}
1970 \definecolor{colIdentifier}{rgb}{0,0,0}
1971 \definecolor{colComments}{rgb}{1,0,0}
1972 \definecolor{colString}{rgb}{0,0.5,0}
1973 \lstset{
1974     language=[LaTeX]TEX,
1975     float=hb,
1976     basicstyle=\ttfamily\small,
1977     identifierstyle=\color{colIdentifier},
1978     keywordstyle=\color{colKeys},
1979     stringstyle=\color{colString},
1980     commentstyle=\color{colComments},
1981     columns=flexible,
1982     tabsize=4,
1983     gobble =1,
1984     extendedchars=true,
1985     showspaces=false,
1986     showstringspaces=false,
1987     numbers=left,
1988     numbersep=0.9em,
1989     numberstyle=\tiny, %
1990     frame=single,
1991     captionpos=b,
1992     xleftmargin=1em,
1993     breaklines=true,
1994     breakautoindent=false,
1995     breakindent=0pt,
1996     escapeinside=**,
1997     pos=r,
1998     explpreset={%
1999     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
2000     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
2001 }
2002 \newcommand\HLON{%
2003     \gdef\lst@alloverstyle##1{%
2004         \fboxrule=0pt
2005         \fboxsep=0pt
2006         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
2007     }}

```



```

2008 \newcommand\HLOFF{%
2009   \xdef\lst@alloverstyle##1{##1}%
2010 }
2011 \newcommand\Larg [1]{\normalfont\itshape#1\/\}
2012 \newcommand\Larga[1]{\$\langle$\Larg{#1}$\rangle$}
2013 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2014 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2015 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2016 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{ }begin\lcb#1\rcb}}
2017 \newcommand\LEND[1]{\normalfont\ttfamily\bs{ }end\lcb#1\rcb}}
2018
2019 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
2020 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
2021 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`{}}
2022 \DeclareRobustCommand\lsb{\normalfont\ttfamily[ ]}
2023 \DeclareRobustCommand\rsb{\normalfont\ttfamily[ ]}
2024 \DeclareRobustCommand\lrb{\normalfont\ttfamily( )}
2025 \DeclareRobustCommand\rrb{\normalfont\ttfamily( )}
2026
2027 \def\Lcs#1{\nxLcs{#1}}
2028 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2029 \def\nxLcs#1{\texttt{\symbol{92}{#1}}}
2030
2031 \def\Coordx#1{$x_{#1}$}
2032 \def\Coordy#1{$y_{#1}$}
2033 \def\Coordz#1{$z_{#1}$}
2034 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2035 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2036 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2037 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
2038 \def\CIIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
2039 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2040 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2041 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2042 \def\coordx#1{($x_{#1}$)}
2043 \def\coordy#1{($y_{#1}$)}
2044 \def\coordz#1{($z_{#1}$)}
2045 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
2046 \def\ciiiiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
2047
2048 \newsavebox{\boxdef}
2049 \newenvironment{BDef}
2050   {\begin{lrbox}\boxdef
2051     \def\arraystretch{1.0}
2052     \begin{tabular}{@{}l@{}l@{}l@{}}
2053   }
2054   {\end{tabular}\end{lrbox}}
2055
2056   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2057   \aftergroup\@afterindentfalse\aftergroup\@afterheading

```



```

2058 }
2059
2060 \newenvironment{BDef*}
2061   {\begin{lrbox}\boxdef
2062     \def\arraystretch{1.0}
2063     \begin{tabular}{@{}l@{}l@{}l@{}}
2064   }
2065   {\end{tabular}\end{lrbox}
2066   {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}
2067   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2068 }
2069 \newenvironment{BCmd*}{
2070   \@beginparpenalty-\@lowpenalty
2071   \topsep\BDefaboveskip
2072   \fboxsep3pt
2073   \flushleft}
2074   {\@endparpenalty\@M
2075   \@topsepadd\BDefbelowskip
2076   \endflushleft}
2077
2078 \newenvironment{BCmd*}{
2079   \@beginparpenalty\@M
2080   \topsep\BDefinlineskip
2081   \fboxsep3pt
2082   \flushleft}
2083   {\@endparpenalty5000
2084   \endflushleft}
2085
2086 \newskip\BDefaboveskip
2087 \newskip\BDefbelowskip
2088 \newskip\BDefinlineskip
2089 \setlength\BDefaboveskip{10pt plus 4pt}
2090 \setlength\BDefbelowskip{6pt}
2091 \setlength\BDefinlineskip{6pt}
2092
2093 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
2094 \def\OptArg{\ifnextchar*\OptArg@i{\OptArg@ii*}}
2095 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
2096 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

7.19 bidi_{ftn}xtra.sty

```

2097 \NeedsTeXFormat{LaTeX2e}
2098 \ProvidesPackage{bidiftnxtra}
2099 \newtoks\bidi@p@ftn
2100 \let\FN@sfc@footnote\footnote
2101 \let\FN@sfc@LTRfootnote\LTRfootnote
2102 \let\FN@sfc@RTLfootnote\RTLfootnote
2103 \def\footnote{\ifx\protect\@typeset@protect
2104   \expandafter\FN@sfc@footnote

```



```

2105 \else
2106 \expandafter\FN@sfgobble@opt
2107 \fi
2108 }
2109 \def\LTRfootnote{\ifx\protect\@typeset@protect
2110 \expandafter\FN@sfgobble@LTRfootnote
2111 \else
2112 \expandafter\FN@sfgobble@opt
2113 \fi
2114 }
2115 \def\RTLfootnote{\ifx\protect\@typeset@protect
2116 \expandafter\FN@sfgobble@RTLfootnote
2117 \else
2118 \expandafter\FN@sfgobble@opt
2119 \fi
2120 }
2121 \edef\FN@sfgobble@opt{\noexpand\protect
2122 \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
2123 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
2124 \@ifnextchar[%]
2125 \FN@sfgobble@twobrace
2126 \@gobble
2127 }
2128 \def\FN@sfgobble@twobrace[#1]#2{
2129 \let\FN@sfgobble@footnotemark\footnotemark
2130 \def\footnotemark{\ifx\protect\@typeset@protect
2131 \expandafter\FN@sfgobble@footnotemark
2132 \else
2133 \expandafter\FN@sfgobble@optonly
2134 \fi
2135 }
2136 \edef\FN@sfgobble@optonly{\noexpand\protect
2137 \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2138 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
2139 \@ifnextchar[%]
2140 \FN@sfgobble@brace
2141 }%
2142 }
2143 \def\FN@sfgobble@brace[#1]{
2144 \def\@tabular{\ifRTL\global\@RTLtabtrue\fi
2145 \leavevmode \hbox \bgroup
2146 \let\@footnotetext\@bidi@p@fnttext
2147 \let\@LTRfootnotetext\@bidi@p@LTRfnttext
2148 \let\@RTLfootnotetext\@bidi@p@RTLfnttext
2149 \let\@xfootnotenext\@bidi@p@xftntext
2150 \let\@xfootnote\@bidi@p@xfootnote
2151 \let\@xLTRfootnotenext\@bidi@p@xLTRfnttext
2152 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2153 \let\@xRTLfootnotenext\@bidi@p@xRTLfnttext
2154 \let\@xRTLfootnote\@bidi@p@xRTLfootnote

```




```

2155 \if@RTLtab\beginR \fi
2156 $\let\@acol\@tabacol
2157 \let\@classz\@tabclassz
2158 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2159 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2160 \egroup $\if@RTLtab\endR\fi\egroup
2161 \ifx\@capytype\@undefined
2162 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi%
2163 \global\@RTLtabfalse}
2164 \long\def\@bidi@p@ftntext#1{%
2165 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2166 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2167 \long\def\@bidi@p@LTRftntext#1{%
2168 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2169 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2170 \long\def\@bidi@p@RTLftntext#1{%
2171 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2172 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2173
2174
2175 \long\def\@bidi@p@xftntext[#1]#2{%
2176 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
2177
2178 \long\def\@bidi@p@xLTRftntext[#1]#2{%
2179 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
2180
2181 \long\def\@bidi@p@xRTLftntext[#1]#2{%
2182 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
2183
2184
2185 \def\@bidi@p@xfootnote[#1]{%
2186 \begingroup
2187 \csname c@\@mpfn\endcsname #1\relax
2188 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2189 \endgroup
2190 \@footnotemark\@bidi@p@xftntext[#1]}
2191
2192
2193 \def\@bidi@p@xLTRfootnote[#1]{%
2194 \begingroup
2195 \csname c@\@mpfn\endcsname #1\relax
2196 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2197 \endgroup
2198 \@footnotemark\@bidi@p@xLTRftntext[#1]}
2199
2200
2201 \def\@bidi@p@xRTLfootnote[#1]{%
2202 \begingroup
2203 \csname c@\@mpfn\endcsname #1\relax
2204 \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

2205 \endgroup
2206 \@footnotemark\ bidi@p@xRTLftntext[#1]}
2207
2208 \def\@xfloat #1[#2]{%
2209 \nodocument
2210 \def \@captype {#1}%
2211 \def \@fps {#2}%
2212 \@onelevel@sanitize \@fps
2213 \def \reserved@a {!}%
2214 \ifx \reserved@a \@fps
2215 \@fpsadddefault
2216 \else
2217 \ifx \@fps \@empty
2218 \@fpsadddefault
2219 \fi
2220 \fi
2221 \ifhmode
2222 \@bsphack
2223 \@floatpenalty -\@Mii
2224 \else
2225 \@floatpenalty-\@Miii
2226 \fi
2227 \ifinner
2228 \@parmoderr\@floatpenalty\z@
2229 \else
2230 \@next\@currbox\@freelist
2231 {%
2232 \@tempcnta \sixt@@n
2233 \expandafter \@tfor \expandafter \reserved@a
2234 \expandafter :\expandafter =\@fps
2235 \do
2236 {%
2237 \if \reserved@a h%
2238 \ifodd \@tempcnta
2239 \else
2240 \advance \@tempcnta \@ne
2241 \fi
2242 \fi
2243 \if \reserved@a t%
2244 \@setfpsbit \tw@
2245 \fi
2246 \if \reserved@a b%
2247 \@setfpsbit 4%
2248 \fi
2249 \if \reserved@a p%
2250 \@setfpsbit 8%
2251 \fi
2252 \if \reserved@a !%
2253 \ifnum \@tempcnta>15
2254 \advance\@tempcnta -\sixt@@n\relax

```



```

2255         \fi
2256     \fi
2257 }%
2258 \tempcntb \csname ftype@\@capytype \endcsname
2259 \multiply \tempcntb \xxxii
2260 \advance \tempcnta \tempcntb
2261 \global \count\@currbox \tempcnta
2262 }%
2263 \@fltovf
2264 \fi
2265 \global \setbox\@currbox
2266 \color@vbox
2267 \normalcolor
2268 \vbox \bgroup
2269 \let\@footnotetext\@bidi@p@ftntext
2270 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2271 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2272 \let\@xfootnotenext\@bidi@p@xftntext
2273 \let\@xfootnote\@bidi@p@xfootnote
2274 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2275 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2276 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2277 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2278 \hsize\columnwidth
2279 \@parboxrestore
2280 \@floatboxreset
2281 }
2282 \def \endfloatbox{%
2283     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2284     \@minipagefalse
2285     \outer@nobreak
2286     \egroup                %% end of vbox
2287     \global\@bidi@p@ftn\expandafter\expandafter\the\@bidi@p@ftn
2288     \color@endbox
2289 }

```

7.20 bidi-longtable.sty

```

2290 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2291 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2292 \par
2293 \ifx\multicols\@undefined
2294 \else
2295     \ifnum\col@number>\@ne
2296     \@twocolumntrue
2297     \fi
2298 \fi
2299 \if@twocolumn
2300 \LT@err{longtable not in 1-column mode}\@ehc
2301 \fi

```



```

2302 \beginngroup
2303 \@ifnextchar[\LT@array{\LT@array[x]}}
2304 \def\endlongtable{%
2305 \crrc
2306 \noalign{%
2307 \let\LT@entry\LT@entry@chop
2308 \xdef\LT@save@row{\LT@save@row}}}%
2309 \LT@echunk
2310 \LT@start
2311 \unvbox\z@
2312 \LT@get@widths
2313 \if@filesw
2314 {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2315 \gdef\expandafter\noexpand
2316 \csname LT@\romannumeral\c@LT@tables\endcsname
2317 {\LT@save@row}}}%
2318 \fi
2319 \ifx\LT@save@row\LT@save@row
2320 \else
2321 \LT@warn{Column \@width s have changed\MessageBreak
2322 in table \thetable}%
2323 \LT@final@warn
2324 \fi
2325 \endgraf\penalty -\LT@end@pen
2326 \endgroup
2327 \global\@mparbottom\z@
2328 \pagegoal\vsizer
2329 \endgraf\penalty\z@\addvspace\LTpost
2330 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2331 \def\LT@output{%
2332 \ifnum\outputpenalty <-\@Mi
2333 \ifnum\outputpenalty > -\LT@end@pen
2334 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2335 \else
2336 \setbox\z@\vbox{\unvbox\@cclv}%
2337 \ifdim \ht\LT@lastfoot>\ht\LT@foot
2338 \dimen@pagegoal
2339 \advance\dimen@-\ht\LT@lastfoot
2340 \ifdim\dimen@<\ht\z@
2341 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2342 \makecol
2343 \outputpage
2344 \setbox\z@\vbox{\box\LT@head}%
2345 \fi
2346 \fi
2347 \global\@colroom\@colht
2348 \global\vsizer\@colht
2349 \vbox
2350 {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2351 \fi

```



```

2352 \else
2353 \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2354 \makecol
2355 \outputpage
2356 \global\size\@colroom
2357 \copy\LT@head\nobreak
2358 \fi}

```

7.21 bidimoderncv.cls

```

2359 \NeedsTeXFormat{LaTeX2e}
2360 \ProvidesClass{bidimoderncv}
2361 \newif\if@DEBUG\@DEBUGfalse
2362 \DeclareOption{a4paper}{
2363 \setlength\paperheight{297mm}
2364 \setlength\paperwidth{210mm}}
2365 \DeclareOption{a5paper}{
2366 \setlength\paperheight{210mm}
2367 \setlength\paperwidth{148mm}}
2368 \DeclareOption{b5paper}{
2369 \setlength\paperheight{250mm}
2370 \setlength\paperwidth{176mm}}
2371 \DeclareOption{letterpaper}{
2372 \setlength\paperheight{11in}
2373 \setlength\paperwidth{8.5in}}
2374 \DeclareOption{legalpaper}{
2375 \setlength\paperheight{14in}
2376 \setlength\paperwidth{8.5in}}
2377 \DeclareOption{executivepaper}{
2378 \setlength\paperheight{10.5in}
2379 \setlength\paperwidth{7.25in}}
2380 \DeclareOption{landscape}{
2381 \setlength\@tempdima{\paperheight}
2382 \setlength\paperheight{\paperwidth}
2383 \setlength\paperwidth{\@tempdima}}
2384 \newcommand\@ptsize{}
2385 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2386 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2387 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2388 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2389 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2390 \newif\if@colour\@colourtrue
2391 \DeclareOption{nocolour}{\@colourfalse}
2392 \ExecuteOptions{a4paper,11pt,colour,final}
2393 \ProcessOptions\relax
2394 \input{size1\@ptsize.clo}
2395 \RequirePackage{color}
2396 \RequirePackage{graphicx}
2397 \RequirePackage{ifthen}
2398 \RequirePackage{marvosym}

```



```

2399 \addtolength{\oddsidemargin}{-54pt}
2400 \addtolength{\textwidth}{109pt}
2401 \addtolength{\topmargin}{-70pt}
2402 \addtolength{\textheight}{122pt}
2403 \addtolength{\marginparsep}{-5pt}
2404 \addtolength{\marginparwidth}{-10pt}
2405 \RequirePackage{url}
2406 \RequirePackage{hyperref}
2407 \hypersetup{%
2408   breaklinks,
2409   baseurl      = http://,%
2410   pdfborder    = 0 0 0,%
2411   pdfpagemode  = UseNone,%
2412   pdfstartpage = 1}
2413 \AtEndOfClass{%
2414   \AtBeginDocument{%
2415     \hypersetup{%
2416       pdfauthor      = \@firstname~\@familyname,%
2417       pdftitle       = \@title,%
2418       pdfsubject     = \@firstname~\@familyname,%
2419       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2420 \urlstyle{tt}
2421 \RequirePackage{fancyhdr}
2422 \fancypagestyle{plain}{%
2423   \renewcommand{\headrulewidth}{0pt}
2424   \renewcommand{\footrulewidth}{0pt}
2425   \fancyhf{}}
2426 \pagestyle{plain}
2427 \setlength\lineskip{1\p@}
2428 \setlength\normallineskip{1\p@}
2429 \renewcommand\baselinestretch{}
2430 \setlength{\parindent}{0pt}
2431 \setlength{\parskip}{0pt}
2432 \setlength\columnsep{10\p@}
2433 \setlength\columnseprule{0\p@}
2434 \pagestyle{empty}
2435 \pagenumbering{arabic}
2436 \raggedbottom
2437 \onecolumn
2438 \providecommand*\listitemsymbol{\textbullet}
2439 \providecommand*\addresssymbol{}
2440 \providecommand*\mobilesymbol{\Mobilefone}
2441 \providecommand*\phonesymbol{\Telefon}
2442 \providecommand*\faxsymbol{\FAX}
2443 \providecommand*\emailsymbol{\Letter}
2444 \definecolor{firstnamecolour}{rgb}{0,0,0}
2445 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2446 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2447 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2448 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}

```



```

2449 \def\quotecolour#1{\gdef\quotecolour{\addfontfeature{Color=#1}}}
2450 \def\sectiontitlecolour#1{\gdef\sectiontitlecolour{\addfontfeature{Color=#1}}}
2451 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2452 \def\subsectioncolour#1{\gdef\subsectioncolour{\addfontfeature{Color=#1}}}
2453 \def\hintcolour#1{\gdef\hintcolour{\addfontfeature{Color=#1}}}
2454 \providecommand*\{firstfont}\{}
2455 \providecommand*\{familyfont}\{}
2456 \providecommand*\{titlefont}\{}
2457 \providecommand*\{addressfont}\{}
2458 \providecommand*\{quote}\{}
2459 \providecommand*\{sectionfont}\{}
2460 \providecommand*\{subsectionfont}\{}
2461 \providecommand*\{hintfont}\{small}
2462 \providecommand*\{firststyle}[1]{\{firstfont\@firstcolour#1}}
2463 \providecommand*\{familystyle}[1]{\{familyfont\@familycolour#1}}
2464 \providecommand*\{titlestyle}[1]{\{titlefont\@titlecolour#1}}
2465 \providecommand*\{addresstyle}[1]{\{addressfont\@addresscolour#1}}
2466 \providecommand*\{quotestyle}[1]{\{quote\@quotecolour#1}}
2467 \providecommand*\{sectionstyle}[1]{\{sectionfont\@sectiontitlecolour#1}}
2468 \providecommand*\{subsectionstyle}[1]{\{subsectionfont\@subsectioncolour#1}}
2469 \providecommand*\{hintstyle}[1]{\{hintfont\@hintcolour#1}}
2470 \newcommand*\{cvtheme}[2][{}{
2471   \def\@cvtheme#2}
2472   \def\@cvthemeoptions{#1}}
2473 \cvtheme{bidi-casual}
2474 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\cvtheme}}
2475 \newcommand*\{resumename}[1]{\def\@resumename{#1}}
2476 \newcommand*\{firstname}[1]{\def\@firstname{#1}}
2477 \newcommand*\{familyname}[1]{\def\@familyname{#1}}
2478 \renewcommand*\{title}[1]{\def\@title{#1}}
2479 \newcommand*\{address}[1]{\def\@address{#1}}
2480 \newcommand*\{mobile}[1]{\def\@mobile{#1}}
2481 \newcommand*\{phone}[1]{\def\@phone{#1}}
2482 \renewcommand*\{fax}[1]{\def\@fax{#1}}
2483 \newcommand*\{email}[1]{\def\@email{#1}}
2484 \newcommand*\{extrainfo}[1]{\def\@extrainfo{#1}}
2485 \def\@photowidth{0pt}
2486 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2487 \newcommand*\{quote}[1]{\def\@quote{#1}}
2488 \newlength{\quotewidth}
2489 \newlength{\hintcolumnwidth}
2490 \newlength{\separatorcolumnwidth}
2491 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2492 \newlength{\maincolumnwidth}
2493 \newlength{\doubleitemmaincolumnwidth}
2494 \newlength{\listitemsymbolwidth}
2495 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2496 \newlength{\listitemmaincolumnwidth}
2497 \newlength{\listdoubleitemmaincolumnwidth}
2498 \newcommand*\{recomputethemelengths}\{}

```



```

2499 \newcommand*{\recomputelengths}{%
2500 \setlength{\quotewidth}{0.65\textwidth}%
2501 \setlength{\maincolumnwidth}{\textwidth}%
2502 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2503 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2504 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2505 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2506 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2507 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2508 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2509 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2510 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2511 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2512 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2513 \renewcommand{\headwidth}{\textwidth}%
2514 \recomputethemelengths}
2515 \setlength{\hintscolumnwidth}{0.15\textwidth}
2516 \recomputelengths
2517 \title{}
2518 \renewcommand*{\maketitle}{}
2519 \newcommand*{\section}[1]{%
2520 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2521 \phantomsection}%
2522 \addcontentsline{toc}{part}{#1}%
2523 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\section{#1}}}%
2524 \hspace{\separatorcolumnwidth}%
2525 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
2526 \newcommand*{\subsection}[1]{%
2527 \cvline[0.45em]{}{\subsectionstyle{#1}}}%
2528 \newcommand*{\cvline}[3][.25em]{%
2529 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}@{}%
2530 \bidi@raggedleft\hintfont{#2} &{#3}%
2531 \end{tabular}}\[\[1]}
2532 \newcommand*{\cvdoubleitem}[4]{%
2533 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2534 \hfill%
2535 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2536 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2537 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
2538 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2539 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2540 \hfill%
2541 \ifthenelse{\equal{#3}{}}{}%
2542 {}%
2543 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2544 \newcommand*{\cventry}[6]{%
2545 \cvline{#1}{%
2546 {\bfseries#2}%
2547 \ifx#3\else{, {\slshape#3}}\fi%
2548 \ifx#4\else{, #4}\fi%

```




```

2549 \ifx#5\else{, #5}\fi%
2550 .%
2551 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2552 }}%
2553 \newcommand*\cvlanguage[3]{%
2554 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{m
2555 \newcommand*\cvcomputer[4]{%
2556 \cdoubleitem{#1}{\small#2}{#3}{\small#4}}
2557 \newcommand*\link[2][]{%
2558 \ifthenelse{\equal{#1}{}}{%
2559 {\href{#2}{#2}}%
2560 {\href{#2}{#1}}}
2561 \newcommand*\httplink[2][]{%
2562 \ifthenelse{\equal{#1}{}}{%
2563 {\href{http://#2}{#2}}%
2564 {\href{http://#2}{#1}}}
2565 \newcommand*\emailink[2][]{%
2566 \ifthenelse{\equal{#1}{}}{%
2567 {\href{mailto:#2}{#2}}%
2568 {\href{mailto:#2}{#1}}}
2569 \newif\if@displaypagenumbers\@displaypagenumberstrue
2570 \newcommand*\nopagenumbers{\@displaypagenumbersfalse}
2571 \AtBeginDocument{%
2572 \if@displaypagenumbers%
2573 \@ifundefined{r@lastpage}{\%
2574 \ifthenelse{\pageref{lastpage} > 1}{%
2575 \fancypagestyle{plain}{%
2576 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref
2577 \pagestyle{plain}}}%
2578 \AtEndDocument{\label{lastpage}}%
2579 \fi}
2580 \newlength{\bibindent}
2581 \setlength{\bibindent}{1.5em}
2582 \newcommand*\bibliographyitemlabel{\includegraphics{bibitem.pdf}}
2583 \newenvironment{thebibliography}[1]{%
2584 {%
2585 \section{\refname}%
2586 \small%
2587 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2588 \begin{list}{\bibliographyitemlabel}%
2589 {%
2590 \setlength{\topsep}{0pt}%
2591 \setlength{\labelwidth}{\hintscolumnwidth}%
2592 \setlength{\labelsep}{\separatorcolumnwidth}%
2593 \leftmargin\labelwidth%
2594 \advance\leftmargin\labelsep%
2595 \@openbib@code%
2596 \usecounter{enumiv}%
2597 \let\p@enumiv\@empty%
2598 \renewcommand\theenumiv{\@arabic\c@enumiv}}%

```



```

2599      \sloppy\clubpenalty4000\widowpenalty4000%
2600    }%
2601    {%
2602      \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2603      \end{list}%
2604    }
2605 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2606 \let\@openbib@code\@empty

```

7.22 bidiutils.sty

```

2607 \NeedsTeXFormat{LaTeX2e}
2608 \ProvidesPackage{bidiutils}[2016/11/25 v0.9 Programming tools for bidi package]
2609 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
2610   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2611   \ifx\@tempa\@tempb \global\let#2#1%
2612   \else
2613     \edef\@tempb{\meaning#2}%
2614     \ifx\@tempa\@tempb
2615       \else
2616         \@latex@error{Unable to properly define \string#2; primitive
2617           \noexpand#1no longer primitive}\@eha
2618       \fi
2619     \fi
2620   \endgroup}
2621 \newtoks\@bidi@envbody
2622 \newtoks\@bidi@emptytoks
2623 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2624 \def\bidi@collect@body#1{%
2625   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2626   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2627   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2628   \begingroup
2629   \expandafter\let\csname\@currentvir\endcsname\bidi@collect@body
2630   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2631   \bidi@process@envbody
2632 }
2633 \def\bidi@push@begins#1\begin#2{%
2634   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2635 }
2636 \def\bidi@collect@@body#1\end#2{%
2637   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2638   \ifx\@empty\begin@bidi@stack
2639     \endgroup
2640     \@checkend{#2}%
2641     \bidi@addto@envbody{#1}%
2642   \else
2643     \bidi@addto@envbody{#1\end{#2}}%
2644   \fi
2645   \bidi@process@envbody % A little tricky! Note the grouping

```



```

2646 }
2647 \long\def\bidid@addto@long@envbody#1{\global\@bidid@envbody\expandafter{\the\@bidid@envbody#1}}
2648 \long\def\bidid@collect@long@body#1{%
2649   \@bidid@envbody{\expandafter#1\expandafter{\the\@bidid@envbody}}}%
2650 \edef\bidid@process@envbody{\the\@bidid@envbody\noexpand\end{\@currenvir}}}%
2651 \@bidid@envbody\@bidid@emptytoks \def\begin@bidid@stack{b}%
2652 \begingroup
2653 \expandafter\let\csname\@currenvir\endcsname\bidid@collect@long@body
2654 \edef\bidid@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2655 \bidid@process@envbody
2656 }
2657 \long\def\bidid@push@long@begins#1\begin#2{%
2658   \ifx\end#2\else b\expandafter\bidid@push@long@begins\fi
2659 }
2660 \long\def\bidid@collect@long@@body#1\end#2{%
2661   \edef\begin@bidid@stack{\bidid@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidid@stack}
2662   \ifx\@empty\begin@bidid@stack
2663     \endgroup
2664     \@checkend{#2}%
2665     \bidid@addto@long@envbody{#1}%
2666   \else
2667     \bidid@addto@long@envbody{#1\end{#2}}}%
2668   \fi
2669 \bidid@process@envbody % A little tricky! Note the grouping
2670 }
2671 \long\def\bidid@new@ifnextchar#1#2#3{%
2672   \let\reserved@d= #1%
2673   \def\reserved@a{#2}\def\reserved@b{#3}%
2674   \futurelet\@let@token\bidid@new@ifnch
2675 }
2676 \def\bidid@new@ifnch{%
2677   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2678   \reserved@b
2679 }
2680 \def\bidid@matrix@check#1{%
2681   \expandafter\ifx\csname\@currenvir\endcsname#1%
2682   \else\bidid@matrix@error#1%
2683     \expandafter\@gobble
2684   \fi
2685 }
2686 \def\bidid@matrix@error#1{%
2687   \PackageError{biditools}{%
2688     Old form ``\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2689   }{%
2690     ``\string#1{...}' is old bidi package syntax whose use is
2691     ill-advised in the old versions of bidi package.%
2692   }%
2693 }
2694 \def\@tagsextension{clo}
2695 \def\@definitionfileextension{def}

```



```

2696 \def\@texfileextension{tex}
2697 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2698 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2699 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2700 \def\eqnewif#1#2{%
2701   \count@\escapechar \escapechar\m@ne
2702   \let#1\iffalse
2703   \let#2\iffalse
2704   \eq@if#1#2\iftrue
2705   \eq@if#1#2\iffalse
2706   \escapechar\count@}
2707 \def\eq@if#1#2#3{%
2708   \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2709                                     \expandafter\@gobbletwo\string#3\endcsname
2710                                     {\let#1#3%
2711                                     \let#2#3}%
2712   \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2713                                     \expandafter\@gobbletwo\string#3\endcsname
2714                                     {\let#2#3%
2715                                     \let#1#3}}
2716 \def\@bidi@removefromreset#1#2{%
2717   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2718   \def\@elt##1{%
2719     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2720     \else
2721       \noexpand\@elt{##1}%
2722     \fi}%
2723   \expandafter\xdef\csname cl@#2\endcsname{%
2724     \csname cl@#2\endcsname}}
2725 \newcommand*{\ifRtoL}{%
2726   \if@RTL
2727     \expandafter\@firstoftwo
2728   \else
2729     \expandafter\@secondoftwo
2730   \fi}
2731 \newcommand*{\ifLtoR}{%
2732   \if@RTL
2733     \expandafter\@secondoftwo
2734   \else
2735     \expandafter\@firstoftwo
2736   \fi}
2737 \newcommand*{\iflatin}{%
2738   \if@nonlatin
2739     \expandafter\@secondoftwo
2740   \else
2741     \expandafter\@firstoftwo
2742   \fi}
2743 \newcommand*{\ifnonlatin}{%
2744   \if@nonlatin
2745     \expandafter\@firstoftwo

```



```

2746 \else
2747 \expandafter\@secondoftwo
2748 \fi}
2749 \newcommand*{\if@bidi@csdef}[1]{%
2750 \ifcsname#1\endcsname
2751 \expandafter\@firstoftwo
2752 \else
2753 \expandafter\@secondoftwo
2754 \fi}
2755 \newcommand*{\if@bidi@csundef}[1]{%
2756 \ifcsname#1\endcsname
2757 \expandafter\ifx\csname#1\endcsname\relax
2758 \expandafter\expandafter
2759 \expandafter\@firstoftwo
2760 \else
2761 \expandafter\expandafter
2762 \expandafter\@secondoftwo
2763 \fi
2764 \else
2765 \expandafter\@firstoftwo
2766 \fi}
2767 \newcommand{\if@bidi@def}[1]{%
2768 \ifdefined#1%
2769 \expandafter\@firstoftwo
2770 \else
2771 \expandafter\@secondoftwo
2772 \fi}
2773 \newcommand{\if@bidi@undef}[1]{%
2774 \ifdefined#1%
2775 \ifx#1\relax
2776 \expandafter\expandafter
2777 \expandafter\@firstoftwo
2778 \else
2779 \expandafter\expandafter
2780 \expandafter\@secondoftwo
2781 \fi
2782 \else
2783 \expandafter\@firstoftwo
2784 \fi}
2785 \newcommand{\if@bidi@blank}[1]{% from url.sty
2786 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2787 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2788 \newcommand{\bidi@notblank}[1]{%
2789 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2790 \newcommand{\if@bidi@defmacro}{%
2791 \long\edef\if@bidi@defmacro#1{%
2792 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2793 \noexpand\meaning#1\detokenize{macro}:&}
2794 \edef\bidi@ifdefmacro{%
2795 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}

```



```

2796 \bidi@ifdefmacro{\bidi@notblank{#2}}
2797 \newcommand*{\if@bidi@csmacro}[1]{%
2798   \if@bidi@csdef{#1}
2799     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2800     {\@secondoftwo}}
2801 \newcommand{\if@bidi@defprimitive}[1]{%
2802   \ifprimitive#1%
2803     \expandafter\@firstoftwo
2804   \else
2805     \expandafter\@secondoftwo
2806   \fi}
2807 \newcommand{\if@bidi@csprimitive}[1]{%
2808   \begingroup\expandafter\expandafter\expandafter\endgroup%
2809   \expandafter\ifprimitive\csname#1\endcsname%
2810   \expandafter\@firstoftwo
2811 \else
2812   \expandafter\@secondoftwo
2813 \fi}
2814 \newcommand*{\bidi@csdefcs}[2]{%
2815   \expandafter\@ifdefinable \csname#1\endcsname{%
2816     \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2817 \newcommand*{\bidi@csletcs}[2]{%
2818   \expandafter\@ifdefinable \csname#1\endcsname{%
2819     \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2820 \newcommand*{\bidi@cslet}[2]{%
2821   \expandafter\@ifdefinable \csname#1\endcsname{%
2822     \expandafter\let\csname#1\endcsname#2}}
2823 \newcommand{\bidi@namelongdef}[1]{%
2824   \long\expandafter\def\csname #1\endcsname}
2825 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2826 \def\bidi@ensure@new@command#1{%
2827   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2828   \expandafter\if@bidi@csundef\@gtempa
2829     {\new@command#1}{\relax%
2830     \let\@ifdefinable\@rc@ifdefinable%
2831     \new@command#1}}
2832 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2833
2834 \protected\def\bidi@error{\PackageError{bidi}}
2835 \protected\def\bidi@warning{\PackageWarning{bidi}}
2836 \protected\def\bidi@info{\PackageInfo{bidi}}
2837
2838 \newcommand*{\bidi@newrobustcmd}{}
2839 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2840
2841 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2842
2843 \def\bidi@newcommand#1[#2]{%
2844   \@ifnextchar[%
2845     {\bidi@xargdef#1[#2]}

```



```

2846     {\ifx\l@ngrel@x\relax
2847       \let\l@ngrel@x\protected
2848     \else
2849       \protected\def\l@ngrel@x{\protected\long}%
2850     \fi
2851     \@argdef#1[#2]}}
2852
2853 \long\def\bidi@xargdef#1[#2][#3]#4{%
2854   \@ifdefinable#1{%
2855     \expandafter\protected
2856     \expandafter\def
2857     \expandafter#1%
2858     \expandafter{%
2859       \expandafter\@testopt
2860       \csname\string#1\endcsname{#3}}}%
2861   \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}}
2862
2863 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2864
2865 \def\bidi@renew@command#1{%
2866   \if\bidi@undef{#1}
2867     {\bidi@error{\string#1 undefined}\@ehc}
2868   {%
2869     \let\@ifdefinable\@rc@ifdefinable
2870     \bidi@new@command#1}
2871
2872
2873
2874 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2875
2876 \def\bidi@provide@command#1{%
2877   \if\bidi@undef{#1}
2878     {\def\reserved@a{\bidi@new@command#1}}
2879     {\def\reserved@a{\bidi@renew@command\reserved@a}}}%
2880   \reserved@a}
2881
2882 \newcommand*{\bidi@csuse}[1]{%
2883   \ifcsname#1\endcsname
2884     \csname#1\expandafter\endcsname
2885   \fi}
2886
2887 \newcommand{\bidi@expandonce}[1]{%
2888   \unexpanded\expandafter{#1}}
2889
2890 \def\bidi@protected{%
2891   \let\@@protect\protect
2892   \let\protect\unexpandable@protect
2893   \afterassignment\restore@protect}
2894
2895 \bidi@newrobustcmd{\bidi@appto}[2]{%

```



```

2896 \if@bidi@undef{#1}
2897   {\edef#1{\unexpanded{#2}}}
2898   {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2899 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2900   \if@bidi@undef{#1}
2901     {\edef#1{#2}}
2902     {\edef#1{\bidi@expandonce#1#2}}}}
2903 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2904   \if@bidi@undef{#1}
2905     {\xdef#1{\unexpanded{#2}}}
2906     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2907 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2908   \if@bidi@undef{#1}
2909     {\xdef#1{#2}}
2910     {\xdef#1{\bidi@expandonce#1#2}}}}
2911
2912 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2913 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2914
2915
2916
2917 \bidi@newrobustcmd{\bidi@preto}[2]{%
2918   \if@bidi@undef{#1}
2919     {\edef#1{\unexpanded{#2}}}
2920     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
2921 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2922   \if@bidi@undef{#1}
2923     {\edef#1{#2}}
2924     {\edef#1{#2\bidi@expandonce#1}}}}
2925 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2926   \if@bidi@undef{#1}
2927     {\xdef#1{\unexpanded{#2}}}
2928     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
2929 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2930   \if@bidi@undef{#1}
2931     {\xdef#1{#2}}
2932     {\xdef#1{#2\bidi@expandonce#1}}}}
2933
2934 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2935 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2936
2937
2938
2939 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2940 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2941 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2942 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2943 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2944 \bidi@newrobustcmd*{\bidi@protected@csgappto}{\bidi@protected\bidi@csgappto}
2945

```




```

2946
2947
2948 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2949 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2950 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2951 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2952 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2953 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2954
2955
2956
2957 \bidi@newrobustcmd{\if@bidi@patchable}{%
2958   \bidi@dbg@trce\if@bidi@patchable
2959   \begingroup
2960   \@makeother\#%
2961   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2962
2963 \long\def\bidi@ifpatchable#1#2{%
2964   \endgroup
2965   \bidi@dbg@init#1%
2966   \if@bidi@undef{#1}
2967     {\bidi@dbg@fail{def}\@secondoftwo}
2968     {\bidi@dbg@info{def}%
2969       \if@bidi@defmacro{#1}
2970         {\bidi@dbg@info{mac}%
2971           \bidi@ifscanable{#1}
2972             {\bidi@ifhashcheck{#2}
2973               {\bidi@dbg@info{tok}%
2974                 \bidi@ifpattern#1{#2}
2975                 {\bidi@dbg@info{pat}%
2976                   \bidi@dbg@info{pos}\@firstoftwo}
2977                   {\bidi@dbg@fail{pat}\@secondoftwo}}}
2978               {\bidi@dbg@fail{hsh}\@secondoftwo}}}
2979             {\bidi@dbg@fail{tok}\@secondoftwo}}}
2980             {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2981
2982 \long\def\bidi@ifpatchable@i#1{%
2983   \endgroup
2984   \bidi@dbg@init#1%
2985   \if@bidi@undef{#1}
2986     {\bidi@dbg@fail{def}\@secondoftwo}
2987     {\bidi@dbg@info{def}%
2988       \if@bidi@defmacro{#1}
2989         {\bidi@dbg@info{mac}%
2990           \if@bidi@defparam{#1}
2991             {\bidi@dbg@info{prm}%
2992               \bidi@ifscanable{#1}
2993               {\bidi@dbg@info{tok}%
2994                 \bidi@dbg@info{pos}\@firstoftwo}
2995                 {\bidi@dbg@fail{tok}\@secondoftwo}}}

```



```

2996         {\bidi@dbg@info{prl}}%
2997         \if@bidi@defprotected{#1}
2998         {\bidi@dbg@info{pro}}
2999         {}%
3000         \bidi@dbg@info{pos}\@firstoftwo}}
3001     {\bidi@dbg@fail{mac}\@secondoftwo}}
3002
3003 \bidi@newrobustcmd*{\bidi@patchcmd}{%
3004     \bidi@dbg@trce\bidi@patchcmd
3005     \begingroup
3006     \@makeoother\#%
3007     \bidi@@patchcmd}
3008
3009 \newcommand{\bidi@@patchcmd}[4][#####1]{%
3010     \bidi@ifpatchable#2{#3}
3011     {\bidi@dbg@succ{ret}}%
3012     \begingroup
3013     \edef\bidi@resrvda{%
3014         \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
3015             #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
3016         \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
3017             ####1\detokenize{#4}####2}%
3018         \edef\noexpand\bidi@resrvda{%
3019             \noexpand\bidi@resrvda\meaning#2&}}%
3020     \bidi@resrvda
3021     \bidi@patchcmd@scantoks\bidi@resrvda
3022     \let#2\bidi@resrvda
3023     \bidi@undef\bidi@resrvda
3024     \@firstoftwo}
3025     {\@secondoftwo}}
3026
3027 \def\bidi@patchcmd@scantoks#1{%
3028     \edef\bidi@resrvda{\endgroup
3029         \unexpanded{\makeatletter\scantokens}{#1}%
3030         \catcode\number`\@=\the\catcode`\@ \relax}%
3031     \bidi@resrvda}
3032
3033 \newcommand\bidi@isloaded[2][]{
3034     \expandafter\ifx\csname if@bidi@#2loaded@ \endcsname \relax
3035     \expandafter\newif\csname if@bidi@#2loaded@ \endcsname
3036     \fi
3037     \@ifpackageloaded{#2}
3038     {\csname @bidi@#2loaded@true \endcsname #1}
3039     {\csname @bidi@#2loaded@false \endcsname}}
3040
3041 \protected\def\bidi@ifscanable#1{%
3042     \begingroup
3043     \edef\bidi@resrvda{%
3044         \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3045             ####1\def\string\bidi@resrvda####2{####3}}}%

```



```

3046 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3047 \bidi@resrvda
3048 \makeatletter
3049 \scantokens\expandafter{\bidi@resrvda}%
3050 \expandafter\endgroup\ifx#1\bidi@resrvda
3051 \expandafter\@firstoftwo
3052 \else
3053 \expandafter\@secondoftwo
3054 \fi}
3055
3056
3057 \protected\long\def\bidi@ifhashcheck#1{%
3058 \begingroup
3059 \edef\bidi@resrvda{\detokenize{#1}}%
3060 \expandafter\endgroup
3061 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3062
3063 \edef\bidi@ifhashcheck@i#1&{%
3064 \noexpand\expandafter
3065 \noexpand\bidi@ifhashcheck@ii
3066 \noexpand\strip@prefix#1\string#\string#&}
3067
3068 \edef\bidi@ifhashcheck@ii{%
3069 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
3070 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
3071
3072
3073 \protected\long\def\bidi@ifpattern#1#2{%
3074 \begingroup
3075 \edef\bidi@resrvda{%
3076 \def\noexpand\bidi@resrvda####1\detokenize{#2}###2&{%
3077 \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3078 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3079 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3080 \noexpand\bidi@resrvda}
3081 \bidi@resrvda\@secondoftwo\@firstoftwo}
3082
3083
3084 \newcommand{\if@bidi@defparam}{%
3085 \long\edef\if@bidi@defparam#1{%
3086 \noexpand\expandafter\noexpand\bidi@ifdefparam
3087 \noexpand\meaning#1\detokenize{macro}:->&}
3088 \edef\bidi@ifdefparam{%
3089 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3090 \bidi@ifdefparam{\bidi@notblank{#2}}
3091
3092
3093 \newcommand{\if@bidi@defprotected}{%
3094 \long\edef\if@bidi@defprotected#1{%
3095 \noexpand\expandafter\noexpand\bidi@ifdefprotected

```



```

3096 \noexpand\meaning#1\string\protected&}
3097 \edef\bidi@ifdefprotected{%
3098 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3099 \bidi@ifdefprotected{\bidi@notblank{#2}}
3100
3101
3102 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3103
3104 \let\bidi@dbg@trce\@gobble
3105 \let\bidi@dbg@init\@gobble
3106 \let\bidi@dbg@info\@gobble
3107 \let\bidi@dbg@succ\@gobble
3108 \let\bidi@dbg@fail\@gobble
3109
3110
3111
3112 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3113 \bidi@dbg@trce\bidi@apptocmd
3114 \begingroup
3115 \@makeother\#%
3116 \bidi@hooktocmd\bidi@append}
3117
3118
3119
3120 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3121 \bidi@dbg@trce\bidi@pretocmd
3122 \begingroup
3123 \@makeother\#%
3124 \bidi@hooktocmd\bidi@prepend}
3125
3126 \long\def\bidi@hooktocmd#1#2#3{%
3127 \endgroup
3128 \bidi@dbg@init#2%
3129 \if\bidi@undef{#2}
3130 {\bidi@dbg@fail{def}\@secondoftwo}
3131 {\bidi@dbg@info{def}%
3132 \if\bidi@defmacro{#2}
3133 {\bidi@dbg@info{mac}%
3134 \if\bidi@defparam{#2}
3135 {\bidi@dbg@info{prm}%
3136 \bidi@ifscanable{#2}
3137 {\bidi@ifhashcheck{#3}
3138 {\bidi@dbg@info{tok}%
3139 \bidi@dbg@succ{ret}%
3140 \bidi@hooktocmd@i#1#2{#3}%
3141 \@firstoftwo}
3142 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3143 {\bidi@dbg@fail{tok}\@secondoftwo}}
3144 {\bidi@dbg@info{prl}%
3145 \if\bidi@defprotected{#2}

```



```

3146         {\bidi@dbg@info{pro}%
3147         \bidi@dbg@succ{red}%
3148         \protected}
3149         {\bidi@dbg@succ{red}}}%
3150         \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3151         \@firstoftwo}}
3152     {\bidi@dbg@fail{mac}\@secondoftwo}}}}
3153
3154 \long\def\bidi@hooktocmd@i#1#2#3{%
3155     \begingroup
3156     \edef\bidi@resrvda{%
3157         \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3158             ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
3159         \edef\noexpand\bidi@resrvda{%
3160             \noexpand\bidi@resrvda\meaning#2&}}}%
3161     \bidi@resrvda
3162     \bidi@patchcmd@scantoks\bidi@resrvda
3163     \let#2\bidi@resrvda
3164     \bidi@undef\bidi@resrvda}
3165
3166 \long\def\bidi@append#1#2{#1#2}
3167 \long\def\bidi@prepend#1#2{#2#1}
3168
3169 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3170 \newcommand*{\bidi@endpreamblehook}{}
3171
3172 \bidi@preto\document{%
3173     \endgroup
3174     \let\bidi@AtEndPreamble\@firstofone
3175     \bidi@endpreamblehook
3176     \protected\def\bidi@AtEndPreamble{\@notprerr@gobble}%
3177     \bidi@undef\bidi@endpreamblehook
3178     \begingroup}
3179
3180 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3181 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3182
3183 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3184 \newcommand*{\bidi@afterendpreamblehook}{}
3185
3186 \bidi@appto\document{%
3187     \let\bidi@AfterEndPreamble\@firstofone
3188     \bidi@afterendpreamblehook
3189     \protected\def\bidi@AfterEndPreamble{\@notprerr@gobble}%
3190     \bidi@undef\bidi@afterendpreamblehook
3191     \ignorespaces}
3192
3193 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3194
3195 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}

```



```

3196 \newcommand*{\bidi@afterenddocumenthook}{%
3197
3198 \bidi@patchcmd\enddocument
3199   {\deadcycles}
3200   {\let\bidi@AfterEndDocument\@firstofone
3201    \bidi@afterenddocumenthook
3202    \deadcycles}
3203   {}
3204   {\let\bidi@@end@@end
3205    \def@@end{%
3206      \let\bidi@AfterEndDocument\@firstofone
3207      \bidi@afterenddocumenthook
3208      \bidi@@end}}
3209
3210 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3211   \bidi@csgappto{\bidi@begin@#1@hook}}
3212
3213 \bidi@patchcmd\begin
3214   {\csname #1\endcsname}
3215   {\bidi@csuse{\bidi@begin@#1@hook}%
3216    \csname #1\endcsname}
3217   {}
3218   {\bidi@warning{%
3219     Patching '\string\begin' failed!\MessageBreak
3220     '\string\bidi@AtBeginEnvironment' will not work@gobble}}
3221
3222
3223
3224 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3225   \bidi@csgappto{\bidi@end@#1@hook}}
3226
3227 \bidi@patchcmd\end
3228   {\csname end#1\endcsname}
3229   {\bidi@csuse{\bidi@end@#1@hook}%
3230    \csname end#1\endcsname}
3231   {}
3232   {\bidi@warning{%
3233     Patching '\string\end' failed!\MessageBreak
3234     '\string\bidi@AtEndEnvironment' will not work@gobble}}
3235
3236
3237
3238 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3239   \bidi@csgappto{\bidi@beforebegin@#1@hook}}
3240
3241 \bidi@pretocmd\begin
3242   {\bidi@csuse{\bidi@beforebegin@#1@hook}}
3243   {}
3244   {\bidi@warning{%
3245     Patching '\string\begin' failed!\MessageBreak

```



```

3246     '\string\bidibeforebeginenvironment' will not work\@gobble}}
3247
3248
3249
3250 \bidinewrobustcmd{\bidiafterendenvironment}[1]{%
3251   \bidicsgappto{\bidiafterend@#1hook}}
3252
3253 \bidipatchcmd\end
3254   {\ifignore}
3255   {\bidicsuse{\bidiafterend@#1hook}%
3256     \ifignore}
3257   {}
3258   {\bidibwarning{%
3259     Patching '\string\end' failed!\MessageBreak
3260     '\string\bidiafterendenvironment' will not work\@gobble}}
3261
3262 \checkcommand{\inputiffileexists}[2]{%
3263   \iffileexists{#1}%
3264     {#2\@addtofilelist{#1}\@input \@filef@und}}
3265
3266 \renewcommand{\inputiffileexists}[2]{%
3267   \begingroup\expandafter\expandafter\expandafter\endgroup
3268   \expandafter\ifx\csname #1-\@bidialias\endcsname\relax
3269     \expandafter\@secondoftwo
3270   \else
3271     \bidireplacefile@msg{\csname #1-\@bidialias\endcsname}{#1}%
3272     \expandafter\@firstoftwo
3273   \fi
3274   {%
3275     \expandafter\inputiffileexists\expandafter{\csname
3276       #1-\@bidialias\endcsname}{#2}%
3277   }%
3278   {\iffileexists{#1}{%
3279     \bidiload@hook{before}{#1}%
3280     #2\@addtofilelist{#1}%
3281     \@input \@filef@und
3282     \bidiload@hook{after}{#1}%
3283   }}%
3284 }
3285
3286 \newcommand*\bidiloadwithoptions{}
3287 \newcommand*\bidiloadwithoptions{}
3288 \let\bidiloadwithoptions\loadwithoptions
3289
3290 \renewcommand*\bidiloadwithoptions[3]{%
3291   \begingroup\expandafter\expandafter\expandafter\endgroup
3292   \expandafter\ifx\csname #3.#1-\@bidialiasname\endcsname\relax
3293     \def\bidiloadwithoptions{\bidiloadwithoptions{#1}{#2}{#3}}%
3294   \else
3295     \bidireplacefile@msg{\csname #3.#1-\@bidialiasname\endcsname.#1}{#3.#1}%

```



```

3296 \def\bidi@loadwithoptions{%
3297 \loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3298 }%
3299 \fi
3300 \bidi@loadwithoptions
3301 }
3302
3303 \newcommand*{\bidi@onefilewithoptions}{%
3304 \let\bidi@onefilewithoptions\onefilewithoptions
3305 \def\@onefilewithoptions#1[#2][#3]#4{%
3306 \begingroup\expandafter\expandafter\expandafter\endgroup
3307 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3308 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3309 \else
3310 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3311 \edef\bidi@onefilewithoptions{%
3312 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3313 \fi
3314 \bidi@onefilewithoptions[{#2}][{#3}]{#4}%
3315 \bidi@load@hook{lateafter}{#1.#4}%
3316 }
3317
3318 \newcommand*{\bidi@ReplaceInput}[2]{%
3319 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3320 }
3321
3322 \newcommand*{\bidi@UnReplaceInput}[1]{%
3323 \ifcsname #1-@bidi@alias\endcsname
3324 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3325 \fi
3326 }
3327
3328 \newcommand*{\@bidi@replacefilewithext}[3]{%
3329 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3330 }
3331 \newcommand*{\bidi@ReplacePackage}[2]{%
3332 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3333 }
3334 \newcommand*{\bidi@ReplaceClass}[2]{%
3335 \@bidi@replacefilewithext{#1}{#2}\@clsextension
3336 }
3337 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3338 \ifcsname #1.#2-@bidi@aliasname\endcsname
3339 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3340 \fi
3341 }
3342 \newcommand*{\bidi@UnReplacePackage}[1]{%
3343 \@bidi@unreplacefilewithext{#1}\@pkgextension
3344 }
3345 \newcommand*{\bidi@UnReplaceClass}[1]{%

```




```

3346 \@bidi@unreplacefilewithext{#1}\@clsextension
3347 }
3348 \newcommand*{\bidi@replacefile@msg}[2]{%
3349 \PackageInfo{biditools}{inputting `#1' instead of `#2'}%
3350 }
3351
3352 \newcommand*{\bidi@load@hook}[2]{%
3353 \@ifundefined{#2-@#1}{}{%
3354 \nameuse{#2-@#1}%
3355 \expandafter\let\csname #2-@#1\endcsname=\relax}}
3356 \newcommand*{\bidi@set@load@hook}[2]{%
3357 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}}{}{%
3358 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3359 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3360 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3361 \newcommand*{\bidi@BeforeClass}[1]{%
3362 \bidi@set@load@hook{before}{#1.\@clsextension}}
3363 \newcommand*{\bidi@AfterClass}{%
3364 \@ifstar {\@s@bidi@AfterClass}{%
3365 \@ifnextchar +\@@bidi@AfterClass{%
3366 \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3367 }%
3368 }%
3369 }
3370
3371 \newcommand*{\@@@bidi@AfterClass}[2]{%
3372 \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3373 \aftergroup\@s@bidi@AfterClass
3374 \else
3375 \aftergroup\bidi@AfterAtEndOfClass
3376 \fi
3377 \endgroup{#2}%
3378 }
3379
3380 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3381 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3382 \newcommand*{\@@bidi@AfterClass}[2]{%
3383 \begingroup
3384 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3385 \aftergroup\@s@bidi@AfterClass
3386 \else
3387 \aftergroup\@bidi@AfterClass
3388 \fi
3389 \endgroup{#2}%
3390 }
3391
3392 \newcommand*{\@bidi@AfterClass}[1]{%
3393 \bidi@set@load@hook{after}{#1.\@clsextension}}
3394 \newcommand*{\@s@bidi@AfterClass}[1]{%
3395 \begingroup

```



```

3396 \@ifclassloaded{#1}{%
3397 \aftergroup\@secondoftwo
3398 }{%
3399 \aftergroup\@bidi@AfterClass
3400 }%
3401 \endgroup
3402 {#1}%
3403 }
3404
3405
3406 \newcommand*{\@bidi@BeforePackage}[1]{%
3407 \bidi@set@load@hook{before}{#1.\@pkgextension}}
3408 \newcommand*{\@bidi@AfterPackage}{%
3409 \@ifstar {\@s@bidi@AfterPackage}{%
3410 \ifnextchar +\@@bidi@AfterPackage{%
3411 \ifnextchar !\@@@bidi@AfterPackage\@bidi@AfterPackage
3412 }%
3413 }%
3414 }
3415 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3416 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3417 \aftergroup\@s@bidi@AfterPackage
3418 \else
3419 \aftergroup\bidi@AfterAtEndOfPackage
3420 \fi
3421 \endgroup{#2}%
3422 }
3423 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
3424 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3425 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3426 \begingroup
3427 \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3428 \aftergroup\@s@bidi@AfterPackage
3429 \else
3430 \aftergroup\@bidi@AfterPackage
3431 \fi
3432 \endgroup{#2}%
3433 }
3434 \newcommand*{\@bidi@AfterPackage}[1]{%
3435 \bidi@set@load@hook{after}{#1.\@pkgextension}}
3436 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3437 \begingroup
3438 \@ifpackageloaded{#1}{%
3439 \aftergroup\@secondoftwo
3440 }{%
3441 \aftergroup\@bidi@AfterPackage
3442 }%
3443 \endgroup
3444 {#1}%
3445 }

```



```

3446
3447 \newcommand*{\@bidi@excludedpackages}{}
3448 \let\bidi@excludedpackages\@empty
3449 \newcommand*{\@bidi@saved@RequirePackage}{}
3450 \newcommand*{\@bidi@PreventPackageFromLoading}{%
3451   \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3452   {\@bidi@PreventPackageFromLoading\PackageWarning}%
3453 }
3454 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3455   \@ifnextchar [%]
3456   {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
3457 }
3458 \newcommand*{\@bidi@PreventPackageFromLoading}{}
3459
3460 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3461   \edef\reserved@a{\zap@space#3 \@empty}%
3462   \ifx \reserved@a\@empty
3463     #1{bidiutils}{%
3464       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3465       argument ignored%
3466     }%
3467   \else
3468     \ifx\bidi@excludedpackages\@empty
3469       \let\bidi@saved@RequirePackage\RequirePackage
3470       \let\RequirePackage\bidi@RequirePackage
3471       \def\reserved@a##1##{%
3472         \@latex@error
3473         {\noexpand \usepackage before \string\documentclass}%
3474         {\noexpand \usepackage may only appear in the document
3475          preamble, i.e.,\MessageBreak
3476          between \noexpand\documentclass and
3477          \string\begin{document}.}%
3478         \@gobble}%
3479       \ifx\reserved@a\usepackage\else
3480       \ifx\usepackage\bidi@saved@RequirePackage\else
3481         \PackageWarning{bidiutils}{%
3482           Maybe serious problem: unexpected definition of\MessageBreak
3483           \string\usepackage
3484         }%
3485       \fi
3486       \let\usepackage\RequirePackage
3487     \fi
3488   \fi
3489   \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3490   \reserved@a\do {%
3491     \ifx\reserved@a\@empty
3492       #1{bidiutils}{%
3493         empty package argument for
3494         \string\bidi@PreventPackageFromLoading\MessageBreak
3495         ignored%

```



```

3496     }%
3497 \else
3498   \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3499     #1{biditools}}{%
3500     package `\'reserved@a' already loaded.\MessageBreak
3501     Cannot prevent it from being loaded%
3502   }%
3503 }{%
3504   \edef\bidix@excludedpackages{\bidix@excludedpackages,%
3505     \reserved@a}%
3506   \if\relax\detokenize{#2}\relax\else
3507     \ifundefined{\bidix@exclude@package@\reserved@a @do}{%
3508       \@namedef{\bidix@exclude@package@\reserved@a @do}{}%
3509     }{%
3510       \expandafter\def
3511       \csname \bidix@exclude@package@\reserved@a
3512         @do\expandafter\expandafter\expandafter\endcsname
3513       \expandafter\expandafter\expandafter{%
3514         \csname \bidix@exclude@package@\reserved@a @do\endcsname
3515         #2%
3516       }%
3517     \fi
3518   }%
3519 \fi
3520 }%
3521 \ifx\bidix@excludedpackages\@empty
3522   \bidix@ResetPreventPackageFromLoading
3523 \fi
3524 \fi
3525 }
3526
3527 \@onlypreamble\bidix@PreventPackageFromLoading
3528 \newcommand*{\bidix@ResetPreventPackageFromLoading}{%
3529   \let\bidix@excludedpackages\@empty
3530   \ifx\RequirePackage\bidix@RequirePackage
3531     \ifx\usepackage\RequirePackage
3532       \let\usepackage\bidix@saved@RequirePackage
3533     \fi
3534     \let\RequirePackage\bidix@saved@RequirePackage
3535   \fi
3536 }
3537 \@onlypreamble\bidix@ResetPreventPackageFromLoading
3538 \newcommand*{\bidix@StorePreventPackageFromLoading}[1]{%
3539   \let#1\bidix@excludedpackages
3540 }
3541 \@onlypreamble\bidix@StorePreventPackageFromLoading
3542 \newcommand*{\bidix@UnPreventPackageFromLoading}{%
3543   \@ifstar {\@tempswatrue\@bidix@UnPreventPackageFromLoading}%
3544             {\@tempswafalse\@bidix@UnPreventPackageFromLoading}%
3545 }

```



```

3546
3547 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
3548   \edef\reserved@b{\zap@space#1 \@empty}%
3549   \if@tempswa
3550     \@for\reserved@a:=\reserved@b\do {%
3551       \ifx\reserved@a\@empty \else
3552         \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
3553           \expandafter\let
3554           \csname bidi@exclude@package@\reserved@a @do\endcsname
3555           \undefined
3556         \fi
3557       \fi
3558     }%
3559   \fi
3560   \ifcsname bidi@excludedpackages\endcsname
3561     \let\reserved@a\bidi@excludedpackages
3562     \let\bidi@excludedpackages\@empty
3563     \expandafter\@for\expandafter\reserved@c
3564     \expandafter:\expandafter=\reserved@a
3565     \do{%
3566       \ifx\reserved@c\@empty\else
3567         \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
3568         \ifin@
3569         \else
3570           \edef\bidi@excludedpackages{%
3571             \bidi@excludedpackages,\reserved@c
3572           }%
3573         \fi
3574       \fi
3575     }%
3576     \ifx\bidi@excludedpackages\@empty\bidi@ResetPreventPackageFromLoading\fi
3577   \fi
3578 }
3579
3580
3581 \newcommand*{\bidi@RequirePackage}[2][1]{%
3582   \let\reserved@c\@empty
3583   \let\reserved@d\@empty
3584   \edef\reserved@b{\zap@space#2 \@empty}%
3585   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3586   \do {%
3587     \begingroup
3588     \@tempswatrue
3589     \@for\reserved@a:=\bidi@excludedpackages\do {%
3590       \ifx\reserved@a\reserved@b
3591         \@tempswafalse
3592       \fi
3593     }%
3594     \if@tempswa
3595       \xdef\reserved@c{\reserved@c,\reserved@b}%

```



```

3596     \else
3597         \ifx\reserved@b\@empty\else
3598             \PackageInfo{biditools}{Excluding package `\'reserved@b\'MessageBreak
3599                 from loading}%
3600             \ifundefined{bidi@exclude@package@\reserved@b @do}{%
3601                 }{%
3602                     \expandafter\g@addto@macro\expandafter\reserved@d
3603                     \csname bidi@exclude@package@\reserved@b @do\endcsname
3604                 }%
3605             \fi
3606         \fi
3607     \endgroup
3608 }%
3609 \ifx\reserved@c\@empty
3610     \let\reserved@a\bidi@gobbleopt
3611 \else
3612     \edef\reserved@a{\noexpand\bidi@samed@RequirePackage[#1]{%
3613         \expandafter\@gobble\reserved@c\@empty}}%
3614 \fi
3615 \expandafter\reserved@d
3616 \reserved@a
3617 }
3618
3619 \newcommand{\bidi@gobbleopt}[1][{}]{%
3620 \AtEndDocument{%
3621     \let\bidi@samed@checkend=\@checkend
3622     \renewcommand*{\@checkend}[1]{%
3623         \def\reserved@a{#1}\def\reserved@b{document}%
3624         \bidi@samed@checkend{#1}%
3625         \ifx\reserved@a\reserved@b
3626             \let\bidi@samed@clearpage=\clearpage
3627             \renewcommand*{\clearpage}{\bidi@samed@clearpage
3628                 \bidi@hook@bcma
3629                 \bidi@restore@newpage
3630                 \let\clearpage=\bidi@samed@clearpage}%
3631             \fi%
3632             \let\bidi@samed@dofilelist\@dofilelist
3633             \def\@dofilelist{%
3634                 \bidi@hook@acma
3635                 \let\@dofilelist\bidi@samed@dofilelist
3636                 \bidi@samed@dofilelist
3637             }%
3638         }%
3639 }
3640
3641
3642 \newcommand*{\bidi@samed@checkend}{%
3643 \newcommand*{\bidi@samed@dofilelist}{%
3644 \newcommand*{\bidi@redefine@newpage}{%
3645     \let\bidi@samed@newpage\newpage

```



```

3646 \def\bidi@restore@newpage{%
3647   \renewcommand*{\newpage}{%
3648     \PackageWarningNoLine{%
3649       biditools%
3650     }{%
3651       \string\newpage\space at main aux file!\MessageBreak
3652       You have output material at the main aux file.\MessageBreak
3653       Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3654       are processed before the output from aux file%
3655     }%
3656     \let\newpage\bidi@saved@newpage
3657     \newpage
3658   }%
3659 }%
3660 \renewcommand*{\newpage}{%
3661   \PackageError{%
3662     biditools%
3663   }{%
3664     \string\newpage\space at \string\bidi@BeforeClosingMainAux
3665   }{%
3666     You should never use \string\newpage\space or
3667     \string\clear(double)page or other output material at the\MessageBreak
3668     argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3669     If you'll continue, the \string\newpage\space will be ignored to
3670     avoid corruption of\MessageBreak
3671     every prior use of \string\bidi@BeforeClosingMainAux.
3672   }%
3673 }%
3674 }
3675
3676 \newcommand*{\bidi@restore@newpage}{}
3677 \newcommand*{\bidi@hook@bcma}{}
3678 \newcommand*{\bidi@hook@acma}{}
3679 \newcommand*{\bidi@BeforeClosingMainAux}{%
3680   \ifx\bidi@hook@bcma\@empty
3681     \gdef\bidi@hook@bcma{%
3682       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{####1}%
3683       \let\protected@write\bidi@protected@immediate@write
3684       \bidi@redefine@newpage
3685     }%
3686   \fi
3687   \g@addto@macro\bidi@hook@bcma%
3688 }
3689
3690 \newcommand*{\bidi@AfterReadingMainAux}{%
3691   \ifx\bidi@hook@acma\@empty
3692     \gdef\bidi@hook@acma{%
3693       \renewcommand*{\bidi@AfterReadingMainAux}[1]{####1}%
3694       \let\protected@write\bidi@protected@immediate@write
3695     }%

```



```

3696 \fi
3697 \g@addto@macro\ bidi@hook@acma%
3698 }
3699
3700 \long\def\ bidi@protected@immediate@write#1#2#3{%
3701 \begingroup
3702 #2%
3703 \let\protect\@unexpandable@protect
3704 \edef\reserved@a{\immediate\write#1{#3}}%
3705 \reserved@a
3706 \endgroup
3707 \if@nobreak\ifvmode\nobreak\fi\fi
3708 }
3709
3710 \def\ bidi@patch@counter{0}%
3711 \if@ bidi@csundef{numexpr}{%
3712 \def\ bidi@patch@stepcounter{%
3713 \begingroup
3714 \count@\ bidi@patch@counter\relax
3715 \advance\count@\@ne\relax
3716 \edef\x{\endgroup
3717 \noexpand\def\noexpand\ bidi@patch@counter{\the\count@}%
3718 }%
3719 \x
3720 }%
3721 }{%
3722 \def\ bidi@patch@stepcounter{%
3723 \edef\ bidi@patch@counter{%
3724 \the\numexpr\ bidi@patch@counter+\@ne\relax
3725 }%
3726 }%
3727 }
3728 \def\ bidi@patch@list{}
3729 \def\ bidi@patch@Add{%
3730 \ bidi@appto\ bidi@patch@list
3731 }
3732 \def\ bidi@patch@AfterPackage#1{%
3733 \@ifpackageloaded{#1}{%
3734 \@firstofone
3735 }{%
3736 \ bidi@patch@AfterPackage{#1}%
3737 }%
3738 }
3739 \def\ bidi@patch@AfterPackage#1{%
3740 \edef\ bidi@patch@temp{#1}%
3741 \ bidi@patch@stepcounter
3742 \expandafter\ bidi@patch@@AfterPackage
3743 \csname \ bidi@patch@\ bidi@patch@counter\expandafter\endcsname{%
3744 \ bidi@patch@temp
3745 }%

```




```

3746 }
3747 \def\bidipatch@@AfterPackage#1#2#3{%
3748   \begingroup
3749     \toks@{#3}%
3750     \xdef\bidipatch@gtemp{%
3751       \noexpand\ifpackageloaded{#2}{%
3752         \noexpand\let\noexpand#1\noexpand\relax
3753         \the\toks@
3754       }{}%
3755     }%
3756   \endgroup
3757   \let#1\bidipatch@gtemp
3758   \bidipatch@Add#1%
3759   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3760 }
3761
3762 \def\bidipatch@try#1#2#3{%
3763   \if@bidicsundef{#1}{}%
3764     \csname #1\endcsname{#2}{#3}%
3765   }%
3766 }
3767
3768 \AtBeginDocument{\bidipatch@list}
3769
3770 \bidipatch@AtEndPreamble{\bidipatch@list}%
3771
3772 \bidipatch@AfterEndPreamble{%
3773   \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded
3774   \let\bidipatch@OrgIfPackageLater\ifpackagelater
3775   \let\bidipatch@OrgIfClassLoaded\ifclassloaded
3776   \let\bidipatch@OrgIfClassLater\ifclasslater
3777   \bidipatch@list
3778   \let\ifpackageloaded\bidipatch@OrgIfPackageLoaded
3779   \let\ifpackagelater\bidipatch@OrgIfPackageLater
3780   \let\ifclassloaded\bidipatch@OrgIfClassLoaded
3781   \let\ifclasslater\bidipatch@OrgIfClassLater
3782 }%

```

7.23 **bidituftefloat.sty**

```

3783 \NeedsTeXFormat{LaTeX2e}
3784 \ProvidesPackage{bidituftefloat}[2011/06/14 v0.1
3785   bidi implementation of tufte float]
3786 \RequirePackage{xifthen}
3787 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
3788 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
3789 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bidi
3790 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
3791 \newboolean{\@bidituftefloat@RTLgeometry}
3792 \setboolean{\@bidituftefloat@RTLgeometry}{true}

```



```

3793 \DeclareOption{RTLgeometry}{\setboolean{@biditytfloat@RTLgeometry}{true}}
3794 \DeclareOption{LTRgeometry}{\setboolean{@biditytfloat@RTLgeometry}{false}}
3795 \newboolean{@biditytfloat@a4paper}
3796 \DeclareOption{a4paper}{\setboolean{@biditytfloat@a4paper}{true}}
3797 \newboolean{@biditytfloat@b5paper}
3798 \DeclareOption{b5paper}{\setboolean{@biditytfloat@b5paper}{true}}
3799 \newboolean{@biditytfloat@symmetric}
3800 \newboolean{@biditytfloat@twoside}
3801 \DeclareOption{twoside}{%
3802 \@twosidetrue \mparswitchtrue%
3803 \setboolean{@biditytfloat@twoside}{true}%
3804 \setboolean{@biditytfloat@symmetric}{true}%
3805 }
3806 \DeclareOption{oneside}{%
3807 \@twosidefalse \mparswitchfalse%
3808 \setboolean{@biditytfloat@twoside}{false}%
3809 \setboolean{@biditytfloat@symmetric}{false}%
3810 }
3811 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3812 \newboolean{@biditytfloat@debug}
3813 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodetect}
3814 \ProcessOptions
3815 %% Globally sets the length
3816 \newcommand*{\gsetlength}[2]{%
3817 \setlength{#1}{#2}%
3818 \global#1=#1\relax%
3819 }
3820 %% Globally sets a boolean
3821 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
3822 \lowercase{\def\@tempa{#2}}%
3823 \@ifundefined{@tempa}{\@tempa}%
3824 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}{\@ehc}%
3825 {\@ifundefined{#1\@tempa}%
3826 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3827 {\global\csname#1\@tempa\endcsname}%
3828 }%
3829 }
3830 %% Set the font sizes and baselines to match biditytfloat's books
3831 \renewcommand\normalsize{%
3832 \setfontsize\normalsize\@xpt{14}%
3833 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3834 \abovedisplayshortskip \z@ \@plus3\p@
3835 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3836 \belowdisplayskip \abovedisplayskip
3837 \let\@listi\@listI}
3838 \normalbaselineskip=14pt
3839 \normalsize
3840 \renewcommand\footnotesize{%
3841 \setfontsize\footnotesize\@viiipt{10}%
3842 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@

```



```

3843 \abovedisplayskip \z@ \@plus\p@
3844 \belowdisplayskip 3\p@ \@plus\p@ \@minus2\p@
3845 \def\@listi{\leftmargin\leftmargini
3846           \topsep 3\p@ \@plus\p@ \@minus\p@
3847           \parsep 2\p@ \@plus\p@ \@minus\p@
3848           \itemsep \parsep}%
3849 \belowdisplayskip \abovedisplayskip
3850 }
3851 %% Paragraph indentation and separation for marginal text
3852 \newcommand{\@bidiutefloat@margin@par}{%
3853   \setlength{\RaggedRightParindent}{0.5pc}%
3854   \setlength{\JustifyingParindent}{0.5pc}%
3855   \setlength{\parindent}{0.5pc}%
3856   \setlength{\parskip}{0pt}%
3857 }
3858 \RequirePackage{ragged2e}
3859 \ifthenelse{\boolean{@bidiutefloat@RTLgeometry}}{%
3860 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=
3861 \ifthenelse{\boolean{@bidiutefloat@a4paper}}
3862   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=
3863   {}
3864 \ifthenelse{\boolean{@bidiutefloat@bfivepaper}}
3865   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,m
3866   }}{%
3867 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=
3868 \ifthenelse{\boolean{@bidiutefloat@a4paper}}
3869   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=
3870   {}
3871 \ifthenelse{\boolean{@bidiutefloat@bfivepaper}}
3872   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,m
3873   }}
3874 \ifthenelse{\boolean{@bidiutefloat@symmetric}}
3875   {}
3876   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3877 \setlength\marginparpush{10pt}
3878 %% Font for margin items
3879 \newcommand{\@bidiutefloat@marginfont}{\normalfont\footnotesize}
3880 \newcommand*{\@bidiutefloat@caption@font}{\@bidiutefloat@marginfont}
3881 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutefloat@caption@font}{#1}}
3882 \newcommand{\@bidiutefloat@justification}{\justifying}%
3883 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3884 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3885 \newboolean{@bidiutefloat@changepage}
3886 \IfFileExists{changepage.sty}{%
3887   \bidiutefloatDebugInfoNL{Found changepage.sty}
3888   \RequirePackage[strict]{changepage}
3889   \setboolean{@bidiutefloat@changepage}{true}
3890 }{%
3891   \bidiutefloatDebugInfoNL{Found chngpage.sty}
3892   \RequirePackage[strict]{chngpage}

```



```

3893 \setboolean{@bidituftefloat@changepage}{false}
3894 }
3895 \newboolean{@bidituftefloat@odd@page}
3896 \setboolean{@bidituftefloat@odd@page}{true}
3897 \newcommand*{\@bidituftefloat@checkoddpage}{%
3898 \checkoddpage%
3899 \ifthenelse{\boolean{@bidituftefloat@changepage}}{%
3900 \ifoddpage%
3901 \setboolean{@bidituftefloat@odd@page}{true}%
3902 \else%
3903 \setboolean{@bidituftefloat@odd@page}{false}%
3904 \fi%
3905 }{%
3906 \ifcpoddpage%
3907 \setboolean{@bidituftefloat@odd@page}{true}%
3908 \else%
3909 \setboolean{@bidituftefloat@odd@page}{false}%
3910 \fi%
3911 }%
3912 }
3913 \newlength{\@bidituftefloat@overhang}% used by the fullwidth environment and the running heads
3914 \newlength{\@bidituftefloat@fullwidth}
3915 \newlength{\@bidituftefloat@caption@fill}
3916 \newcommand{\@bidituftefloatRecalculate}{%
3917 \setlength{\@bidituftefloat@overhang}{\marginparwidth}
3918 \addtolength{\@bidituftefloat@overhang}{\marginparsep}
3919
3920 \setlength{\@bidituftefloat@fullwidth}{\textwidth}
3921 \addtolength{\@bidituftefloat@fullwidth}{\marginparsep}
3922 \addtolength{\@bidituftefloat@fullwidth}{\marginparwidth}
3923
3924 \setlength{\@bidituftefloat@caption@fill}{\textwidth}
3925 \addtolength{\@bidituftefloat@caption@fill}{\marginparsep}
3926 }
3927 \AtBeginDocument{\@bidituftefloatRecalculate}
3928 \RequirePackage{optparams}% provides multiple optional arguments for commands
3929 \RequirePackage{placeins}
3930 \newsavebox{\@bidituftefloat@margin@floatbox}
3931 \newenvironment{@bidituftefloat@margin@float}[2][-1.2ex]%
3932 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3933 \begin{lrbox}{\@bidituftefloat@margin@floatbox}%
3934 \begin{minipage}{\marginparwidth}%
3935 \@bidituftefloat@caption@font%
3936 \def\@capttype{#2}%
3937 \hbox{\vspace*{#1}%
3938 \@bidituftefloat@caption@justification%
3939 \@bidituftefloat@margin@par%
3940 \noindent%
3941 }
3942 {\end{minipage}}%

```



```

3943 \end{lrbox}%
3944 \marginpar{\usebox{\@bidiutfefloat@margin@floatbox}}%
3945 }
3946 \newenvironment{marginfigure}[1][[-1.2ex]%
3947 {\begin{@bidiutfefloat@margin@float}[#1]{figure}}
3948 {\end{@bidiutfefloat@margin@float}}}
3949 \newenvironment{margintable}[1][[-1.2ex]%
3950 {\begin{@bidiutfefloat@margin@float}[#1]{table}}
3951 {\end{@bidiutfefloat@margin@float}}}
3952 \newcommand*{\@bidiutfefloat@justification@autodetect}{\justifying}%
3953
3954 \newcommand{\@bidiutfefloat@float@debug@info}{}% contains debug info generated as the float is
3955 \newcommand{\@bidiutfefloat@float@debug}[1]{% adds debug info to the queue for output
3956 \ifthenelse{equal{\@bidiutfefloat@float@debug@info}{}}{%
3957 {\def\@bidiutfefloat@float@debug@info{#1}}%
3958 {\g@addto@macro\@bidiutfefloat@float@debug@info{\MessageBreak#1}}%
3959 }
3960 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3961 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutfefloat@float@debug
3962 \newboolean{@bidiutfefloat@float@recto}
3963 \newcommand{\forcerectofloat}{\gsetboolean{@bidiutfefloat@float@recto}{true}\@bidiutfefloat
3964 \newcommand{\forceversofloat}{\gsetboolean{@bidiutfefloat@float@recto}{false}\@bidiutfefloat
3965 \newsavebox{\@bidiutfefloat@figure@box}
3966 \newsavebox{\@bidiutfefloat@caption@box}
3967 \let\@bidiutfefloat@orig@float\float
3968 \let\@bidiutfefloat@orig@endfloat\endfloat
3969 \newlength{\@bidiutfefloat@caption@vertical@offset}
3970 \setlength{\@bidiutfefloat@caption@vertical@offset}{0pt}
3971 \newcommand{\@bidiutfefloat@stored@shortcaption}{%
3972 \newcommand{\@bidiutfefloat@stored@caption}{%
3973 \newcommand{\@bidiutfefloat@stored@label}{%
3974 \long\def\@bidiutfefloat@caption[#1][#2]#3{%
3975 \ifthenelse{\isempty{#1}}{%
3976 {\gdef\@bidiutfefloat@stored@shortcaption{#3}}%
3977 {\gdef\@bidiutfefloat@stored@shortcaption{#1}}%
3978 \gsetlength{\@bidiutfefloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3979 \gdef\@bidiutfefloat@stored@caption{#3}%
3980 }
3981 \newcommand{\@bidiutfefloat@label}[1]{%
3982 \gdef\@bidiutfefloat@stored@label{#1}%
3983 }
3984 \newcommand{\@bidiutfefloat@fps}{%
3985 \newboolean{@bidiutfefloat@float@star}
3986 \newlength{\@bidiutfefloat@float@contents@width}
3987 \newenvironment{@bidiutfefloat@float}[3][htbp]%
3988 {% begin @bidiutfefloat@float
3989 % Should this float be full-width or just text-width?
3990 \ifthenelse{equal{#3}{star}}{%
3991 {\gsetboolean{@bidiutfefloat@float@star}{true}}%
3992 {\gsetboolean{@bidiutfefloat@float@star}{false}}%

```



```

3993 % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3994 \@biditytfloat@checkoddpag%
3995 \ifthenelse{\boolean{@biditytfloat@odd@page}}%
3996 {\gsetboolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Detected page
3997 {\gsetboolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Detected pag
3998 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3999 \renewcommand{\@biditytfloat@fps}{#1}%
4000 \@biditytfloat@float@debug{Allowed positions: [#1]}%
4001 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
4002 {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bottom]}%
4003 {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top]}}%
4004 % Capture the contents of the \caption and \label commands to use later
4005 \global\let\@biditytfloat@orig@caption\caption%
4006 \global\let\@biditytfloat@orig@label\label%
4007 \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[[] [Opt]]}%
4008 \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4009 % Handle subfigure package compatibility
4010 \ifthenelse{\boolean{@biditytfloat@packages@subfigure}}{%
4011 % don't move the label while inside a \subfigure or \subtable command
4012 \global\let\label\@biditytfloat@orig@label%
4013 }{% subfigure package is not loaded
4014 \@biditytfloat@orig@float{#2}[#1}%
4015 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4016 {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4017 {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4018 \begin{lrbox}{\@biditytfloat@figure@box}%
4019 \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4020 }{% end @biditytfloat@float
4021 \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}}{% align
4022 \end{minipage}%
4023 \end{lrbox}%
4024 % build the caption box
4025 \begin{lrbox}{\@biditytfloat@caption@box}%
4026 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4027 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}}{\@biditytfloat@orig@caption
4028 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}}{\@biditytfloat@orig@label{\@b
4029 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4030 \end{minipage}%
4031 \end{lrbox}%
4032 % now typeset the stored boxes
4033 \begin{fullwidth}%
4034 \begin{minipage}[\floatalignment]{\linewidth}%
4035 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4036 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidityt
4037 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidityt
4038 \end{minipage}%
4039 \end{fullwidth}%
4040 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4041 % output debug info
4042 \ifthenelse{\boolean{@biditytfloat@debug}}{%

```



```

4043 \typeout{^^J^^J----- bidentuftefloat package float information -----}%
4044 \ifthenelse{\equal{\@bidentuftefloat@stored@label}{}}{%
4045   {\typeout{Warning: Float unlabeled!}}%
4046   {\typeout{Float label: [\@bidentuftefloat@stored@label]}}%
4047   \typeout{Page number: [\thepage]}%
4048   \def\MessageBreak{^^J}%
4049   \typeout{\@bidentuftefloat@float@debug@info}%
4050   \ifthenelse{\boolean{\@bidentuftefloat@symmetric}}{%
4051     {\typeout{Symmetric: [true]}}%
4052     {\typeout{Symmetric: [false]}}%
4053   \typeout{-----^^J^^J}%
4054   }{%
4055     % reset commands and temp boxes and captions
4056     \gdef\@bidentuftefloat@float@debug@info{}%
4057     \let\caption\@bidentuftefloat@orig@caption%
4058     \let\label\@bidentuftefloat@orig@label%
4059     \begin{lrbox}{\@bidentuftefloat@figure@box}\hbox{}\end{lrbox}%
4060     \begin{lrbox}{\@bidentuftefloat@caption@box}\hbox{}\end{lrbox}%
4061     \gdef\@bidentuftefloat@stored@shortcaption{}%
4062     \gdef\@bidentuftefloat@stored@caption{}%
4063     \gdef\@bidentuftefloat@stored@label{}%
4064     \gsetlength{\@bidentuftefloat@caption@vertical@offset}{0pt}% reset caption offset
4065   }
4066 \newcommand{\@bidentuftefloat@float@textwidth}[3][0pt]{%
4067   \ifthenelse{\NOT\boolean{\@bidentuftefloat@symmetric}}\OR\boolean{\@bidentuftefloat@float@recto}}%
4068   % asymmetric or page is odd, so caption is on the right
4069   \hbox{%
4070     \usebox{#2}%
4071     \hspace{\marginparsep}%
4072     \smash{\raisebox{#1}{\usebox{#3}}}%
4073   }
4074   \@bidentuftefloat@float@debug{Caption position: [right]}%
4075 }{% symmetric pages and page is even, so caption is on the left
4076   \hbox{%
4077     \smash{\raisebox{#1}{\usebox{#3}}}%
4078     \hspace{\marginparsep}%
4079     \usebox{#2}%
4080   }
4081   \@bidentuftefloat@float@debug{Caption position: [left]}%
4082 }%
4083 }
4084 \newcommand{\@bidentuftefloat@float@fullwidth}[3][0pt]{%
4085   \ifthenelse{\equal{\floatalignment}{b}}{%
4086     {% place caption above figure
4087       \ifthenelse{\NOT\boolean{\@bidentuftefloat@symmetric}}\OR\boolean{\@bidentuftefloat@float@recto}}%
4088       {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bidentuftefloat@float@debug{Cap
4089       {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bidentuftefloat@float@debug{Cap
4090     }{% place caption below figure
4091       \ifthenelse{\NOT\boolean{\@bidentuftefloat@symmetric}}\OR\boolean{\@bidentuftefloat@float@recto}}%
4092       {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bidentuftefloat@float@debug{Cap

```



```

4093     {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{Cap
4094     }%
4095 }
4096 \renewenvironment{figure}[1][htbp]%
4097   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4098   {\end{@biditytfloat@float}}
4099 \renewenvironment{table}[1][htbp]
4100   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4101   {\end{@biditytfloat@float}}
4102 \renewenvironment{figure*}[1][htbp]%
4103   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4104   {\end{@biditytfloat@float}}
4105 \renewenvironment{table*}[1][htbp]%
4106   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4107   {\end{@biditytfloat@float}}
4108 \newenvironment{fullwidth}
4109   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4110     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@
4111       {\begin{adjustwidth}{-}\@biditytfloat@overhang}}}%
4112     }%
4113   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4114     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4115     {\end{adjustwidth}}}%
4116   }
4117 \long\def\caption#1[#2]#3{%
4118   \par%
4119   \addcontentsline{\csname ext@#1\endcsname}{#1}%
4120     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4121   \begingroup%
4122     \@parboxrestore%
4123     \if@minipage%
4124       \@setminipage%
4125     \fi%
4126     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4127     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4128     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4129   \endgroup}
4130 %%
4131 % Turns newlines into spaces. Based on code from the `titlesec' package.
4132 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4133   \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4134 }
4135 \def\@biditytfloat@newlinetospace@i{%
4136   \ifdim\lastskip>\z@\else\space\fi
4137   \ignorespaces%
4138 }
4139 \DeclareRobustCommand{\newlinetospace}[1]{%
4140   \let\@biditytfloat@orig@cr\% save the original meaning of \
4141   \def\@biditytfloat@newlinetospace}% turn \ and \* into \space
4142   \let\newline\% turn \newline into \space

```




```

4143 #1%
4144 \let\\@biditytufteheading@orig@cr% revert to original meaning of \\
4145 }
4146 \RequirePackage{fancyhdr}
4147 \pagestyle{fancy}
4148 \AtBeginDocument{%
4149 \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
4150 {\fancyhfoffset[LE,RO]{\@biditytuftefloat@overhang}}
4151 {\fancyhfoffset[RE,RO]{\@biditytuftefloat@overhang}}
4152 }
4153 % The running heads/feet don't have rules
4154 \renewcommand{\headrulewidth}{0pt}
4155 \renewcommand{\footrulewidth}{0pt}
4156 % The 'fancy' page style is the default style for all pages.
4157 \fancyhf{} % clear header and footer fields
4158 \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
4159 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4160 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4161 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4162 % The 'plain' page style is used on chapter opening pages.
4163 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4164 % bottom of pages -- the folios are unexpressed.
4165 \fancypagestyle{plain}{
4166 \fancyhf{} % clear header and footer fields
4167 % Uncomment the following five lines of code if you want the opening page
4168 % of the chapter to express the folio in the lower outside corner.
4169 % \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
4170 % {\fancyfoot[LE,RO]{\thepage}}
4171 % {\fancyfoot[RE,RO]{\thepage}}
4172 }
4173 % The 'empty' page style suppresses all headers and footers.
4174 % It's used on title pages and 'intentionally blank' pages.
4175 \fancypagestyle{empty}{
4176 \fancyhf{} % clear header and footer fields
4177 }
4178 \def\morefloats{% provides a total of 52 floats
4179 \ifthenelse{\isundefined{\bx@S}}{%
4180 \biditytuftefloatDebugInfoNL{Adding 34 more float slots.}
4181 \newinsert\bx@S
4182 \newinsert\bx@T
4183 \newinsert\bx@U
4184 \newinsert\bx@V
4185 \newinsert\bx@W
4186 \newinsert\bx@X
4187 \newinsert\bx@Y
4188 \newinsert\bx@Z
4189 \newinsert\bx@a
4190 \newinsert\bx@b
4191 \newinsert\bx@c
4192 \newinsert\bx@d

```



```

4193 \newinsert\bx@e
4194 \newinsert\bx@f
4195 \newinsert\bx@g
4196 \newinsert\bx@h
4197 \newinsert\bx@i
4198 \newinsert\bx@j
4199 \newinsert\bx@k
4200 \newinsert\bx@l
4201 \newinsert\bx@m
4202 \newinsert\bx@n
4203 \newinsert\bx@o
4204 \newinsert\bx@p
4205 \newinsert\bx@q
4206 \newinsert\bx@r
4207 \newinsert\bx@s
4208 \newinsert\bx@t
4209 \newinsert\bx@u
4210 \newinsert\bx@v
4211 \newinsert\bx@w
4212 \newinsert\bx@x
4213 \newinsert\bx@y
4214 \newinsert\bx@z
4215 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4216 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4217 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4218 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4219 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4220 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4221 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4222 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4223 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4224 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4225 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4226 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4227 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4228 \ifthenelse{\isundefined{\bx@AA}}{%
4229 \bidiutfefloatDebugInfoNL{Adding 26 more float slots.}
4230 \newinsert\bx@AA
4231 \newinsert\bx@BB
4232 \newinsert\bx@CC
4233 \newinsert\bx@DD
4234 \newinsert\bx@EE
4235 \newinsert\bx@FF
4236 \newinsert\bx@GG
4237 \newinsert\bx@HH
4238 \newinsert\bx@II
4239 \newinsert\bx@JJ
4240 \newinsert\bx@KK
4241 \newinsert\bx@LL
4242 \newinsert\bx@MM

```



```

4243 \newinsert\bx@NN
4244 \newinsert\bx@OO
4245 \newinsert\bx@PP
4246 \newinsert\bx@QQ
4247 \newinsert\bx@RR
4248 \newinsert\bx@SS
4249 \newinsert\bx@TT
4250 \newinsert\bx@UU
4251 \newinsert\bx@VV
4252 \newinsert\bx@WW
4253 \newinsert\bx@XX
4254 \newinsert\bx@YY
4255 \newinsert\bx@ZZ
4256 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4257 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4258 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4259 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4260 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4261 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4262 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4263 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4264 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4265 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4266 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4267 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4268 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4269 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4270 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4271 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4272 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4273 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4274 }{%
4275 \bidiutftefloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
4276 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\Messag
4277 }%
4278 }%
4279 }
4280 \newboolean{@bidiutftefloat@packages@subfigure}
4281 \setboolean{@bidiutftefloat@packages@subfigure}{false}
4282 \AtBeginDocument{%
4283 \ifpackageloaded{subfigure}
4284 {\gsetboolean{@bidiutftefloat@packages@subfigure}{true}}
4285 {\gsetboolean{@bidiutftefloat@packages@subfigure}{false}}%
4286 }
4287 \AtBeginDocument{%
4288 \ifpackageloaded{float}{%
4289 % Save the redefined float environment (instead of the LaTeX float environment)
4290 \let\@bidiutftefloat@orig@float\@float
4291 \let\@bidiutftefloat@orig@endfloat\end@float
4292

```



```

4293 % Define Tuflian float styles (with the caption in the margin)
4294 \newcommand{\floatc@bidiutftefloatplain}[2]{%
4295   \begin{lrbox}{\@bidiutftefloat@caption@box}%
4296     \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
4297       \@bidiutftefloat@caption@font{\@fs@cfont #1:} #2\par%
4298     \end{minipage}%
4299   \end{lrbox}%
4300   \smash{\hspace{\@bidiutftefloat@caption@fill}\usebox{\@bidiutftefloat@caption@box}}%
4301 }
4302 \newcommand{\fs@bidiutftefloatplain}{%
4303   \def\@fs@cfont{\@bidiutftefloat@caption@font}%
4304   \let\@fs@capt\floatc@bidiutftefloatplain%
4305   \def\@fs@pre{}%
4306   \def\@fs@post{}%
4307   \def\@fs@mid{}%
4308   \let\@fs@iftopcapt\iftrue%
4309 }
4310 \let\fs@bidiutftefloatplaintop=\fs@bidiutftefloatplain
4311 \let\floatc@bidiutftefloatplaintop=\floatc@bidiutftefloatplain
4312 \newcommand\floatc@bidiutftefloatruled[2]{%
4313   {\@fs@cfont #1} #2\par%
4314 }
4315 \newcommand\fs@bidiutftefloatruled{%
4316   \def\@fs@cfont{\@bidiutftefloat@caption@font}%
4317   \let\@fs@capt\floatc@bidiutftefloatplain%
4318   \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4319   \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4320   \def\@fs@mid{}%
4321   \let\@fs@iftopcapt\iftrue%
4322 }
4323 \newcommand\fs@bidiutftefloatboxed{%
4324   \def\@fs@cfont{}%
4325   \let\@fs@capt\floatc@bidiutftefloatplain%
4326   \def\@fs@pre{%
4327     \setbox\@currbox\vbox{\hbadness10000
4328     \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4329     \hrule \hbox to\hsize{\vrule\kern3pt
4330       \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4331   }%
4332   \def\@fs@mid{\kern2pt}%
4333   \def\@fs@post{}%
4334   \let\@fs@iftopcapt\iftrue%
4335 }
4336 }{%
4337 % Nothing to do
4338 }
4339 }
4340 \AtBeginDocument{%
4341   \@ifpackageloaded{algorithm}{%
4342     % Set the float style to the Tuflian version

```



```

4343 \ifthenelse{\equal{\ALG@floatstyle}{plain}}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@
4344 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to b
4345 \floatstyle{\biditytfloat\ALG@floatstyle}%
4346 \restylefloat{algorithm}%
4347 }{}%
4348 }{%
4349 % Nothing to do
4350 }
4351 }
4352 \PassOptionsToPackage{caption=false}{subfig}

```

7.24 biditytfloatsidenote.sty

```

4353 \NeedsTeXFormat{LaTeX2e}
4354 \ProvidesPackage{biditytfloatsidenote}[2015/04/30 v0.3
4355 bidi implementation of tufte sidenote]
4356 \RequirePackage{xifthen}
4357 \RequirePackage{ragged2e}
4358 \RequirePackage{setspace}
4359 \RequirePackage{biditytools}
4360 \def\biditytfloatsidenotemarginpar{%
4361 \ifhmode
4362 \@bsphack
4363 \@floatpenalty -\@Mii
4364 \else
4365 \@floatpenalty -\@Miii
4366 \fi
4367 \ifinner
4368 \@parmoderr
4369 \@floatpenalty\z@
4370 \else
4371 \@next\@currbox\@freelist{}{}%
4372 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4373 {\@floatpenalty\z@
4374 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4375 \fi
4376 \@ifnextchar [\@biditytfloatsidenotexmpar\@biditytfloatsidenoteympar}
4377 \long\def\@biditytfloatsidenotexmpar[#1]#2{%
4378 \@biditytfloatsidenotesavemarbox\@marbox{#1}%
4379 \@biditytfloatsidenotesavemarbox\@currbox{#2}%
4380 \@xympar}
4381 \long\def\@biditytfloatsidenoteympar#1{%
4382 \@biditytfloatsidenotesavemarbox\@marbox{#1}%
4383 \global\setbox\@currbox\copy\@marbox
4384 \@xympar}
4385 \long\def \@biditytfloatsidenotesavemarbox #1#2{%
4386 \global\setbox #1%
4387 \color@vbox
4388 \vtop{%
4389 \hsize\marginparwidth

```



```

4390         \@parboxrestore
4391         \@bidityftesidenotemarginparreset
4392         #2%
4393         \@minipagefalse
4394         \outer@nobreak
4395     }%
4396     \color@endbox
4397 }
4398 \def \@bidityftesidenotemarginparreset {%
4399     \reset@font
4400     \normalsize
4401     \@minipagetrue
4402     \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4403 }
4404 \def\LTRbidityftesidenotemarginpar{%
4405     \ifhmode
4406         \@bsphack
4407         \@floatpenalty -\@Mii
4408     \else
4409         \@floatpenalty-\@Miii
4410     \fi
4411     \ifinner
4412         \@parmoderr
4413         \@floatpenalty\z@
4414     \else
4415         \@next\@currbox\@freelist{}\}%
4416         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4417         {\@floatpenalty\z@
4418         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4419     \fi
4420     \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4421 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4422     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4423     \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4424     \@xympar}
4425 \long\def\@LTRbidityftesidenoteympar#1{%
4426     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4427     \global\setbox\@currbox\copy\@marbox
4428     \@xympar}
4429 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4430     \global\setbox #1%
4431     \color@vbox
4432     \vtop{%
4433         \hsize\marginparwidth
4434         \@parboxrestore
4435         \@LTRbidityftesidenotemarginparreset
4436         #2%
4437         \@minipagefalse
4438         \outer@nobreak
4439     }%

```



```

4440 \color@endbox
4441 }
4442 \def \LTRbidityftesidenotemarginparreset {%
4443 \reset@font
4444 \normalsize
4445 \@minipagetrue
4446 \everypar{\@minipagefalse\everypar{}\beginL}%
4447 }
4448 \def\RTLbidityftesidenotemarginpar{%
4449 \ifhmode
4450 \@bsphack
4451 \@floatpenalty -\@Mii
4452 \else
4453 \@floatpenalty-\@Miii
4454 \fi
4455 \ifinner
4456 \@parmoderr
4457 \@floatpenalty\z@
4458 \else
4459 \@next\@currbox\@freelist{}\}%
4460 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4461 {\@floatpenalty\z@
4462 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4463 \fi
4464 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4465 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4466 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4467 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4468 \@xympar}
4469 \long\def\@RTLbidityftesidenoteympar#1{%
4470 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4471 \global\setbox\@currbox\copy\@marbox
4472 \@xympar}
4473 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4474 \global\setbox #1%
4475 \color@vbox
4476 \vtop{%
4477 \hsize\marginparwidth
4478 \@parboxrestore
4479 \@RTLbidityftesidenotemarginparreset
4480 #2%
4481 \@minipagefalse
4482 \outer@nobreak
4483 }%
4484 \color@endbox
4485 }
4486 \def \@RTLbidityftesidenotemarginparreset {%
4487 \reset@font
4488 \normalsize
4489 \@minipagetrue

```



```

4490 \everypar{\@minipagefalse\everypar{}\beginR}%
4491 }
4492 \newcommand{\@bidiuftesidenote@marginfont}{\normalfont\footnotesize}
4493 \newcommand*{\@bidiuftesidenote@sidenote@font}{\@bidiuftesidenote@marginfont}
4494 \newcommand*{\@bidiuftesidenote@marginnote@font}{\@bidiuftesidenote@marginfont}
4495 \newcommand*{\@bidiuftesidenote@citation@font}{\@bidiuftesidenote@marginfont}
4496 \newcommand*{\@bidiuftelTRsidenote@citation@font}{\@bidiuftesidenote@marginfont}
4497 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidiuftesidenote@sidenote@font}{#1}}
4498 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidiuftesidenote@marginnote@font}{#1}}
4499 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidiuftesidenote@citation@font}{#1}}
4500 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidiuftelTRsidenote@citation@font}{#1}}
4501 \newcommand*{\@bidiuftesidenote@sidenote@justification}{\@bidiuftesidenote@justification@au}
4502 \newcommand*{\@bidiuftesidenote@marginnote@justification}{\@bidiuftesidenote@justification@au}
4503 \newcommand*{\@bidiuftesidenote@citation@justification}{\@bidiuftesidenote@justification@au}
4504 \newcommand*{\@bidiuftesidenote@justification@autodetect}{\justifying}%
4505 \newcommand{\@bidiuftesidenote@margin@par}{%
4506 \setlength{\RaggedRightParindent}{0.5pc}%
4507 \setlength{\JustifyingParindent}{0.5pc}%
4508 \setlength{\parindent}{0.5pc}%
4509 \setlength{\parskip}{0pt}%
4510 }
4511 %%
4512 % Globally sets the length
4513 \@ifundefined{gsetlength}{%
4514 \newcommand*{gsetlength}[2]{%
4515 \setlength{#1}{#2}%
4516 \global#1=#1\relax%
4517 }%
4518 }{}
4519 %%
4520 % Globally sets a boolean
4521 \@ifundefined{gsetboolean}{%
4522 \newcommand*{gsetboolean}[2]{% based on code from ifthen pkg
4523 \lowercase{\def\@tempa{#2}}%
4524 \@ifundefined{@tempwa\@tempa}%
4525 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}{\@ehc}%
4526 {\@ifundefined{#1\@tempa}%
4527 {\PackageError{ifthen}{Boolean #1 undefined}{\@ehc}%
4528 {\global\csname#1\@tempa\endcsname}%
4529 }%
4530 }%
4531 }{}
4532 %%
4533 % A function that removes leading and trailing spaces from the supplied macro.
4534 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4535 % Executing \@bidiuftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4536 % being trimmed of leading and trailing white space.
4537 \catcode`\Q=3
4538 \def\@bidiuftesidenote@trim@spaces#1{%
4539 % Use grouping to emulate a multi-token afterassignment queue

```




```

4540 \beginingroup%
4541 % Put ``\toks 0 {' into the afterassignment queue
4542 \aftergroup\toks\aftergroup0\aftergroup{%
4543 % Apply \trimb to the replacement text of #1, adding a leading
4544 % \noexpand to prevent brace stripping and to serve another purpose
4545 % later.
4546 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4547 % Transfer the trimmed text back into #1.
4548 \edef#1{\the\toks0}%
4549 }
4550 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4551 % clean up any leftover bizarre Qs, and trim a leading space. In
4552 % order for \trimc to work properly we need to put back a Q first.
4553 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4554 % Execute \vfuzz assignment to remove leading space; the \noexpand
4555 % will now prevent unwanted expansion of a macro or other expandable
4556 % token at the beginning of the trimmed text. The \endgroup will feed
4557 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4558 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4559 \catcode`\Q=11
4560 %%
4561 % Citations should go in the margin as sidenotes
4562
4563 \RequirePackage{natbib}
4564 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environmen
4565 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4566 \renewcommand\BR@b@bibitem[2] []{%
4567   \ifthenelse{\isempty{#1}}{%
4568     {\BR@bibitem{#2}}%
4569     {\BR@bibitem{#1}{#2}}%
4570   \BR@c@bibitem{#2}%
4571 }
4572 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4573 %%
4574 % Normal \cite behavior
4575 \newcounter{@bidityftesidenote@num@bibkeys}%
4576 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
4577   % Snag the last bibentry in the list for later comparison
4578   \let\@temp@last@bibkey\empty%
4579   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4580   \sidenote[] [#1]{%
4581     % Loop through all the bibentries, separating them with semicolons and spaces
4582     \normalsize\normalfont\@bidityftesidenote@citation@font%
4583     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4584     \@for\@temp@bibkeyx:=#2\do{%
4585       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4586       {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4587       \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4588       \bibentry{\@temp@bibkeyx}}%
4589       {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

4590         \bibentry{\@temp@bibkeyx};\ }%
4591     \stepcounter{@biditytesidenote@num@bibkeys}%
4592 }%
4593 }%
4594 }
4595 \newcommand{\@bidityteLTRsidenote@normal@cite}[2][Opt]{%
4596 % Snag the last bibentry in the list for later comparison
4597 \let\@temp@last@bibkey\@empty%
4598 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4599 \LTRsidenote[] [#1]{%
4600 % Loop through all the bibentries, separating them with semicolons and spaces
4601 \normalsize\normalfont\@bidityteLTRsidenote@citation@font%
4602 \setcounter{@biditytesidenote@num@bibkeys}{0}%
4603 \@for\@temp@bibkeyx:=#2\do{%
4604     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4605         {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{-}{and\ }%
4606         \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4607         \bibentry{\@temp@bibkeyx}}%
4608         {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4609         \bibentry{\@temp@bibkeyx};\ }%
4610         \stepcounter{@biditytesidenote@num@bibkeys}%
4611     }%
4612 }%
4613 }
4614 \newcommand{\@bidityteRTLsidenote@normal@cite}[2][Opt]{%
4615 % Snag the last bibentry in the list for later comparison
4616 \let\@temp@last@bibkey\@empty%
4617 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4618 \RTLsidenote[] [#1]{%
4619 % Loop through all the bibentries, separating them with semicolons and spaces
4620 \normalsize\normalfont\@biditytesidenote@citation@font%
4621 \setcounter{@biditytesidenote@num@bibkeys}{0}%
4622 \@for\@temp@bibkeyx:=#2\do{%
4623     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4624         {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{-}{and\ }%
4625         \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4626         \bibentry{\@temp@bibkeyx}}%
4627         {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4628         \bibentry{\@temp@bibkeyx};\ }%
4629         \stepcounter{@biditytesidenote@num@bibkeys}%
4630     }%
4631 }%
4632 }
4633 %%
4634 % Macros for holding the list of cite keys until after the \sidenote
4635 \gdef\@biditytesidenote@citations{}% list of cite keys
4636 \newcommand\@biditytesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4637 \ifx\@biditytesidenote@citations\@empty\else
4638 \g@addto@macro\@biditytesidenote@citations{,}% separate by commas
4639 \fi

```



```

4640 \g@addto@macro\@bidityftesidenote@citations{#1}
4641 }
4642 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4643 % Snag the last bibentry in the list for later comparison
4644 \let\@temp@last@bibkey\@empty%
4645 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4646 \marginpar{%
4647 \hbox{\vspace*{#1}%
4648 \@bidityftesidenote@citation@font%
4649 \@bidityftesidenote@citation@justification%
4650 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4651 \vspace*{-1\baselineskip}%
4652 % Loop through all the bibentries, separating them with semicolons and spaces
4653 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4654 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4655 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4656 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4657 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4658 \bibentry{\@temp@bibkeyx}}%
4659 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4660 \bibentry{\@temp@bibkeyx};\ }%
4661 \stepcounter{\@bidityftesidenote@num@bibkeys}%
4662 }%
4663 }%
4664 }
4665 %%
4666 % \cite behavior when executed within a sidenote
4667 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4668 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
4669 \@bidityftesidenote@add@citation{#1}
4670 }
4671 %%
4672 % Set the default \cite style. This is set and reset by the \sidenote command.
4673 \let\cite\@bidityftesidenote@normal@cite
4674 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
4675 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
4676 %%
4677 % Transform existing \footnotes into \sidenotes
4678 % Sidenote: ``Where God meant footnotes to go.' '---bidityftesidenote
4679 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4680 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@
4681 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@
4682 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4683 % sidenote's text block.
4684 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnintext#1{\@textsuperscript{\@bidityftesidenote@
4685 % Set the in-text footnote mark in the same typeface as the body text itself.
4686 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotes
4687 \providecommand*\@multiplefootnotemark}{3sp}
4688 \providecommand*\@multfootsep}{,}
4689 \bidi@patch@AfterPackage{bidi}{%

```



```

4690 \renewcommand{\@footnotemark}{%
4691   \leavevmode%
4692   \ifhmode%
4693     \edef\x@sf{\the\spacefactor}%
4694     \@bidituftesidenote@check@multiple@sidenotes%
4695     \nobreak%
4696   \fi%
4697   \@makefnmark%
4698   \ifhmode\spacefactor\x@sf\fi%
4699   \relax%
4700 }%
4701 }
4702 \newcommand{\@bidituftesidenote@check@multiple@sidenotes}{%
4703   \ifdim\lastkern=\multiplefootnotemarker\relax%
4704     \edef\x@sf{\the\spacefactor}%
4705     \unkern%
4706     \textsuperscript{\multfootsep}%
4707     \spacefactor\x@sf\relax%
4708   \fi
4709 }
4710 \bidi@patch@AfterPackage{bidi}{%
4711 \renewcommand\@footnotetext[2][0pt]{%
4712   \bidituftesidenotemarginpar{%
4713     \hbox{}\vspace*{#1}%
4714     \def\baselinestretch {\setspace@singlespace}%
4715     \reset@font\footnotesize%
4716     \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
4717     \vspace*{-1\baselineskip}\noindent%
4718     \protected@edef\@currentlabel{%
4719       \csname p@footnote\endcsname\@thefnmark%
4720     }%
4721     \color@begingroup%
4722     \@makefnmark%
4723     \ignorespaces#2%
4724     }%
4725     \color@endgroup%
4726   }%
4727 }%
4728 \renewcommand\@LTRfootnotetext[2][0pt]{%
4729   \LTRbidituftesidenotemarginpar{%
4730     \hbox{}\vspace*{#1}%
4731     \def\baselinestretch {\setspace@singlespace}%
4732     \reset@font\footnotesize%
4733     \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
4734     \vspace*{-1\baselineskip}\noindent%
4735     \protected@edef\@currentlabel{%
4736       \csname p@footnote\endcsname\@thefnmark%
4737     }%
4738     \color@begingroup%
4739     \@makefnmark%

```



```

4740         \ignorespaces#2%
4741     }%
4742     \color@endgroup%
4743 }%
4744 }%
4745 \renewcommand\@RTLfootnotetext[2][Opt]{%
4746     \RTLbidityftesidenotemarginpar{%
4747         \hbox{}\vspace*{#1}%
4748         \def\baselinestretch {\setspace@singlespace}%
4749         \reset@font\footnotesize%
4750         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4751         \vspace*{-1\baselineskip}\noindent%
4752         \protected@edef\@currentlabel{%
4753             \csname p@footnote\endcsname\@thefnmark%
4754         }%
4755         \color@begingroup%
4756         \@makefnmark{%
4757             \ignorespaces#2%
4758         }%
4759         \color@endgroup%
4760     }%
4761 }%
4762 }
4763 %
4764 % Define \sidenote command. Can handle \cite.
4765 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
4766 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
4767 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4768 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
4769     \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4770     \gdef\@bidityftesidenote@citations{}% clear out any old citations
4771     \ifthenelse{\NOT\isempty{#2}}{%
4772         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4773     }{%
4774         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4775     }%
4776     \ifthenelse{\isempty{#1}}{%
4777         % no specific footnote number provided
4778         \stepcounter\@mpfn%
4779         \protected@xdef\@thefnmark{\thempfn}%
4780         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4781     }{%
4782         % specific footnote number provided
4783         \begingroup%
4784         \csname c@\@mpfn\endcsname #1\relax%
4785         \unrestored@protected@xdef\@thefnmark{\thempfn}%
4786         \endgroup%
4787         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4788     }%
4789     \@bidityftesidenote@print@citations% print any citations

```



```

4790 \let\cite\@bidiuftesidenote@normal@cite%      go back to using normal in-text \cite command
4791 \let\LTRcite\@bidiufteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4792 \let\RLcite\@bidiufteRTLsidenote@normal@cite%  go back to using normal in-text \RLcite co
4793 \unskip\ignorespaces%                          remove extra white space
4794 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
4795 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4796 }
4797 \long\def\@LTRbidiuftesidenote@sidenote[#1][#2]#3{%
4798 \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command
4799 \gdef\@bidiuftesidenote@citations{}%          clear out any old citations
4800 \ifthenelse{\NOT\isempty{#2}}{%
4801 \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
4802 }{%
4803 \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}%
4804 }%
4805 \ifthenelse{\isempty{#1}}{%
4806 % no specific footnote number provided
4807 \stepcounter\@mpfn%
4808 \protected@xdef\@thefnmark{\thempfn}%
4809 \@footnotemark\@LTRfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4810 }{%
4811 % specific footnote number provided
4812 \begingroup%
4813 \csname c@\@mpfn\endcsname #1\relax%
4814 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4815 \endgroup%
4816 \@footnotemark\@LTRfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4817 }%
4818 \@bidiuftesidenote@print@citations%            print any citations
4819 \let\cite\@bidiuftesidenote@normal@cite%      go back to using normal in-text \cite command
4820 \let\LTRcite\@bidiufteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4821 \let\RLcite\@bidiufteRTLsidenote@normal@cite% go back to using normal in-text \RLcite co
4822 \unskip\ignorespaces%                          remove extra white space
4823 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
4824 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4825 }
4826 \long\def\@RTLbidiuftesidenote@sidenote[#1][#2]#3{%
4827 \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command
4828 \gdef\@bidiuftesidenote@citations{}%          clear out any old citations
4829 \ifthenelse{\NOT\isempty{#2}}{%
4830 \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
4831 }{%
4832 \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}%
4833 }%
4834 \ifthenelse{\isempty{#1}}{%
4835 % no specific footnote number provided
4836 \stepcounter\@mpfn%
4837 \protected@xdef\@thefnmark{\thempfn}%
4838 \@footnotemark\@RTLfootnotetext[\@bidiuftesidenote@sidenote@vertical@offset]{#3}%
4839 }{%

```



```

4840 % specific footnote number provided
4841 \begingroup%
4842 \csname c@\mpfn\endcsname #1\relax%
4843 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4844 \endgroup%
4845 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4846 }%
4847 \@bidituftesidenote@print@citations% print any citations
4848 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4849 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite command
4850 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite command
4851 \unskip\ignorespaces% remove extra white space
4852 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4853 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4854 }
4855 \newcommand{\sidenote}{\@optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
4856 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
4857 \newcommand{\RTLsidenote}{\@optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
4858 \bidi@patch@AfterPackage{bidi}{%
4859 \renewcommand{\footnote}{\@optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
4860 \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
4861 \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%
4862 }
4863 %%
4864 % Sidenote without the footnote mark
4865 \newcommand\marginnote[2] [Opt]{%
4866 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4867 \gdef\@bidituftesidenote@citations{}% clear out any old citations
4868 \bidituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidituftesidenote@marginnote@font\@bidituftesidenote@print@citations%
4869 \@bidituftesidenote@print@citations% print any citations
4870 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4871 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite command
4872 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite command
4873 }
4874 \newcommand\LTRmarginnote[2] [Opt]{%
4875 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4876 \gdef\@bidituftesidenote@citations{}% clear out any old citations
4877 \LTRbidituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidituftesidenote@marginnote@font\@bidituftesidenote@print@citations%
4878 \@bidituftesidenote@print@citations% print any citations
4879 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4880 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite command
4881 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTLcite command
4882 }
4883 \newcommand\RTLmarginnote[2] [Opt]{%
4884 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4885 \gdef\@bidituftesidenote@citations{}% clear out any old citations
4886 \RTLbidituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidituftesidenote@marginnote@font\@bidituftesidenote@print@citations%
4887 \@bidituftesidenote@print@citations% print any citations
4888 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4889 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTRcite command

```



```

4890 \let\RTLcite\@bidityfterRTLSidenote@normal@cite%      go back to using normal in-text \RTLcite co
4891 }

```

7.25 biditytetoc.sty

```

4892 \NeedsTeXFormat{LaTeX2e}
4893 \ProvidesPackage{biditytetoc}[2011/06/17 v0.1
4894 bidi implementation of tuftes toc]
4895 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
4896 \newcommand{\@biditytetoc@pkgname}{biditytetoc}
4897 \newcommand{\biditytetocError}[2]{\PackageError{\@biditytetoc@pkgname}{#1}{#2}}
4898 %%
4899 % Turn off section numbering
4900 \setcounter{secnumdepth}{-1}
4901 \newboolean{@biditytetoc@toc}
4902 \setboolean{@biditytetoc@toc}{true}
4903 \DeclareOption{notoc}{\setboolean{@biditytetoc@toc}{false}}
4904 \DeclareOption{toc}{\setboolean{@biditytetoc@toc}{true}}
4905 \ProcessOptions
4906 %%
4907 % Make Tuftean-style section headings and TOC formatting
4908 \bidity@patch@AfterPackage{bidi}{%
4909 \titleformat{\chapter}%
4910 [display]% shape
4911 {\relax\ifthenelse{\NOT\boolean{@biditytetofloat@symmetric}}{\begin{fullwidth}}{}}% format app
4912 {\itshape\huge\thechapter}% label
4913 {0pt}% horizontal separation between label and title body
4914 {\huge\rmfamily\itshape}% before the title body
4915 [\ifthenelse{\NOT\boolean{@biditytetofloat@symmetric}}{\end{fullwidth}}{}}% after the title bo
4916 \titleformat{\section}%
4917 [hang]% shape
4918 {\normalfont\Large\itshape}% format applied to label+text
4919 {\thesection}% label
4920 {1em}% horizontal separation between label and title body
4921 {}% before the title body
4922 []% after the title body
4923 \titleformat{\subsection}%
4924 [hang]% shape
4925 {\normalfont\large\itshape}% format applied to label+text
4926 {\thesubsection}% label
4927 {1em}% horizontal separation between label and title body
4928 {}% before the title body
4929 []% after the title body
4930 \titleformat{\paragraph}%
4931 [runin]% shape
4932 {\normalfont\itshape}% format applied to label+text
4933 {\theparagraph}% label
4934 {1em}% horizontal separation between label and title body
4935 {}% before the title body
4936 []% after the title body

```




```

4937 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4938 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4939 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4940 }
4941 % Subsubsection and following section headings shouldn't be used.
4942 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4943 \renewcommand\subsubsection{%
4944   \biditytetocError{\noexpand\subsubsection is undefined by this class.%
4945     \MessageBreak See Robert Bringhurst's _The Elements of
4946     \MessageBreak Typographic Style_, section 4.2.2.
4947     \MessageBreak \noexpand\subsubsection was used}
4948   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4949   \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4950   \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
4951 }
4952 \renewcommand\subparagraph{%
4953   \biditytetocError{\noexpand\subparagraph is undefined by this class.%
4954     \MessageBreak See Robert Bringhurst's _The Elements of
4955     \MessageBreak Typographic Style_, section 4.2.2.
4956     \MessageBreak \noexpand\subparagraph was used}
4957   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4958   \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4959   \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
4960 }
4961 % Formatting for main TOC (printed in front matter)
4962 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4963 \ifthenelse{\boolean{@biditytetoc@toc}}{%
4964   \bidi@patch@AfterPackage{bidi}{%
4965     \titlecontents{part}% FIXME
4966     [0em] % distance from left margin
4967     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4968     {\contentslabel{2em}} % before w/label (label = ``II'')
4969     {} % before w/o label
4970     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4971     [\end{fullwidth}] % after
4972     \titlecontents{chapter}%
4973     [0em] % distance from left margin
4974     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4975     {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4976     {\hspace*{0em}} % before w/o label
4977     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4978     [\end{fullwidth}] % after
4979     \titlecontents{section}% FIXME
4980     [0em] % distance from left margin
4981     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4982     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4983     {\hspace*{2em}} % before w/o label
4984     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4985     [\end{fullwidth}] % after
4986     \titlecontents{subsection}% FIXME

```



```

4987 [0em] % distance from left margin
4988 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting
4989 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4990 {\hspace*{4em}} % before w/o label
4991 {\rmfamily\upshape\qqad\thecontentspage} % filler + page (leaders and page num)
4992 [\end{fullwidth}] % after
4993 \titlecontents{paragraph}% FIXME
4994 [0em] % distance from left margin
4995 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global forma
4996 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4997 {\hspace*{6em}} % before w/o label
4998 {\rmfamily\upshape\qqad\thecontentspage} % filler + page (leaders and page num)
4999 [\end{fullwidth}] % after
5000 }%
5001 }{}
5002 %%
5003 % Format lists of figures/tables
5004 \renewcommand\listoffigures{%
5005   \@ifundefined{chapter}%
5006     {\section*{\listfigurename}}%
5007     {\chapter*{\listfigurename}}%
5008 % \begin{fullwidth}%
5009 % \@starttoc{lof}%
5010 % \end{fullwidth}%
5011 }
5012 \renewcommand\listoftables{%
5013   \@ifundefined{chapter}%
5014     {\section*{\listtablename}}%
5015     {\chapter*{\listtablename}}%
5016 % \begin{fullwidth}%
5017 % \@starttoc{lot}%
5018 % \end{fullwidth}%
5019 }
5020 \newcommand{\@bidiuftetoc@lof@line}[2]{%
5021   % #1 is the figure/table number and its caption text
5022   % #2 is the page number on which the figure/table appears
5023   \leftskip 0.0em
5024   \rightskip 0em
5025   \parfillskip 0em plus 1fil
5026   \parindent 0.0em
5027   \@afterindenttrue
5028   \interlinepenalty\@M
5029   \leavevmode
5030   \@tempdima 2.0em
5031   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5032   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5033   {#1}\nobreak\qqad\nobreak#2%
5034   \par%
5035 }
5036 \renewcommand*\l@figure{\@bidiuftetoc@lof@line}

```



```
5037 \let\l@table\l@figure
```

7.26 bidunttegeneralstructure.sty

```
5038 \NeedsTeXFormat{LaTeX2e}
5039 \ProvidesPackage{bidunttegeneralstructure}[2011/06/18 v0.1
5040 bidi implementation of tufte general structure]
5041 \renewcommand\small{%
5042   \@setfontsize\small\@ixpt{12}%
5043   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5044   \abovedisplayshortskip \z@ \@plus2\p@
5045   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5046   \def\@listi{\leftmargin\leftmargini
5047     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5048     \parsep 2\p@ \@plus\p@ \@minus\p@
5049     \itemsep \parsep}%
5050   \belowdisplayskip \abovedisplayskip
5051 }
5052 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5053 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5054 \renewcommand\large{\@setfontsize\large\@xpt{15}}
5055 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5056 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5057 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5058 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5059 \setlength\leftmargini {1pc}
5060 \setlength\leftmarginii {1pc}
5061 \setlength\leftmarginiii {1pc}
5062 \setlength\leftmarginiv {1pc}
5063 \setlength\leftmarginv {1pc}
5064 \setlength\leftmarginvi {1pc}
5065 \setlength\labelsep {.5pc}
5066 \setlength\labelwidth {\leftmargini}
5067 \addtolength\labelwidth{-\labelsep}
5068 \setlength{\parindent}{1.0pc}%
5069 \setlength{\parskip}{0pt}%
5070 \RequirePackage{ragged2e}
5071 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5072 % Paragraph indentation and separation for normal text
5073 \newcommand{\@bidunttegeneralstructure@reset@par}{%
5074   \setlength{\RaggedRightParindent}{1.0pc}%
5075   \setlength{\JustifyingParindent}{1.0pc}%
5076   \setlength{\parindent}{1pc}%
5077   \setlength{\parskip}{0pt}%
5078 }
5079 \@bidunttegeneralstructure@reset@par
5080 % Require paralist package for tighter lists
5081 \RequirePackage{paralist}
5082 % Add rightmargin to compactenum
5083 \def\@compactenum{%
```



```

5084 \expandafter\list\csname label\@enumctr\endcsname{%
5085 \usecounter{\@enumctr}%
5086 \rightmargin=2em% added this
5087 \parsep\plparsep
5088 \itemsep\plitemsep
5089 \topsep\pltopsep
5090 \partopsep\plpartopsep
5091 \def\makelabel##1{\hss\llap{##1}}}}
5092 %%
5093 % An environment for paragraph-style section
5094 \providecommand\newthought[1]{%
5095 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5096 \noindent\textbf{#1}%
5097 }
5098 %%
5099 % Redefine the display environments (quote, quotation, etc.)
5100 \renewenvironment{verse}
5101     {\let\\\@centercr
5102     \list{}\{\itemsep \z@
5103     \itemindent -1pc%
5104     \listparindent\itemindent
5105     \rightmargin \leftmargin
5106     \advance\leftmargin 1pc}%
5107     \small%
5108     \item\relax}
5109     {\endlist}
5110 \renewenvironment{quotation}
5111     {\list{}\{\listparindent 1pc%
5112     \itemindent \listparindent
5113     \rightmargin \leftmargin
5114     \parsep \z@ \@plus\p@}%
5115     \small%
5116     \item\relax\noindent\ignorespaces}
5117     {\endlist}
5118 \renewenvironment{quote}
5119     {\list{}\{\rightmargin\leftmargin}%
5120     \small%
5121     \item\relax}
5122     {\endlist}
5123 % Italicize description run-in headings (instead of the default bold)
5124 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5125 %%
5126 % Redefine \bibsection to not mark the running heads.
5127 % (Code modified from natbib.sty.)
5128 \@ifundefined{chapter}%
5129     {\renewcommand\bibsection{\section*{\refname}}}
5130     {\@ifundefined{NAT@sectionbib}%
5131         {\renewcommand\bibsection{\chapter{\bibname}}}
5132         {\renewcommand\bibsection{\section*{\bibname}}}}
5133 \RequirePackage{multicol}

```



```

5134 \renewenvironment{theindex}{%
5135 \ifundefined{chapter}%
5136   {\section*{\indexname}}%
5137   {\chapter{\indexname}}%
5138 \begin{fullwidth}%
5139 \small%
5140 \parskip0pt%
5141 \parindent0pt%
5142 \let\item\@idxitem%
5143 \begin{multicols}{3}%
5144 }{%
5145 \end{multicols}%
5146 \end{fullwidth}%
5147 }
5148 \AtBeginDocument{%
5149 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5150 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5151 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5152 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5153 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

7.27 bidentufterhyperref.sty

```

5154 \NeedsTeXFormat{LaTeX2e}
5155 \ProvidesPackage{bidentufterhyperref}[2011/06/18 v0.1
5156 bidi implementation of tufte hyperref]
5157 %%
5158 % Color
5159 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5160 \newboolean{@bidentufterhyperref@loadhyper}
5161 \setboolean{@bidentufterhyperref@loadhyper}{true}
5162 \DeclareOption{hyper}{\setboolean{@bidentufterhyperref@loadhyper}{true}}
5163 \DeclareOption{nohyper}{\setboolean{@bidentufterhyperref@loadhyper}{false}}
5164 \ProcessOptions
5165 %% Loads the hyperref package and sets some default options.
5166 \newcommand{\bidentufterhyperrefLoadHyperref}{%
5167 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5168 \hypersetup{%
5169   bookmarksdepth = section,
5170   citecolor = DarkGreen,
5171   linkcolor = DarkBlue,
5172   pagecolor = DarkBlue,
5173   urlcolor = DarkGreen,
5174 }%
5175 }
5176 \ifthenelse{\boolean{@bidentufterhyperref@loadhyper}}{%
5177 \bidentufterhyperrefLoadHyperref%
5178 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5179 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5180 }

```



7.28 bidentuftetitle.sty

```
5181 \NeedsTeXFormat{LaTeX2e}
5182 \ProvidesPackage{bidentuftetitle}[2011/06/18 v0.1
5183 bidi implementation of tufte title]
5184 \RequirePackage{biditools}
5185 %%
5186 % `titlepage' option -- creates a full title page with \maketitle
5187 \newboolean{@bidentuftetitle@titlepage}
5188 \DeclareOption{titlepage}{\setboolean{@bidentuftetitle@titlepage}{true}}
5189 \DeclareOption{notitlepage}{\setboolean{@bidentuftetitle@titlepage}{false}}
5190 % Default `book' and `handout' options
5191 \ifclassloaded{book}{%
5192 \ExecuteOptions{titlepage}}{%
5193 \ifclassloaded{article}{%
5194 \ExecuteOptions{notitlepage}}%
5195 {}}
5196 \ProcessOptions
5197 %%
5198 % Modified \title, \author, and \date commands. These store the
5199 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
5200 \newcommand{\plaintitle}{}% plain-text-only title
5201 \newcommand{\plainauthor}{}% plain-text-only author
5202 \newcommand{\plainpublisher}{}% plain-text-only publisher
5203 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5204 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5205 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5206 \newcommand{\@publisher}{}% full publisher with \thanks{}
5207 \newcommand{\thedata}{\today}
5208 \bidi@patch@AfterPackage{bidi}{%
5209 \renewcommand{\thanks}[1]{\footnote{#1}}
5210 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5211 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5212 }
5213 \renewcommand{\title}[2][]{%
5214 \gdef\@title{#2}%
5215 \begingroup%
5216 % TODO store contents of \thanks command
5217 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5218 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5219 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5220 \protected@xdef\thanklesstitle{#2}%
5221 \endgroup%
5222 \ifthenelse{\isempty{#1}}{%
5223 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5224 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5225 \@ifundefined{hypersetup}%
5226 {}% hyperref is not loaded; do nothing
5227 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5228 }
```



```

5229 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5230 \renewcommand{\author}[2][]{%
5231   \ifthenelse{\isempty{#2}}{\}\gdef\@author{#2}}%
5232   \begingroup%
5233     % TODO store contents of \thanks command
5234     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5235     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5236     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5237     \protected@xdef\thanklessauthor{#2}%
5238   \endgroup%
5239   \ifthenelse{\isempty{#1}}%
5240     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5241     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5242   \@ifundefined{hypersetup}%
5243     {}% hyperref is not loaded; do nothing
5244     {\hypersetup{pdfauthor=\plainauthor}}% set the PDF metadata author
5245 }
5246 \renewcommand{\date}[1]{%
5247   \gdef\@date{#1}%
5248   \begingroup%
5249     % TODO store contents of \thanks command
5250     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5251     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5252     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5253     \protected@xdef\thedata{#1}%
5254   \endgroup%
5255 }
5256 %%
5257 % Provides a \publisher command to set the publisher
5258 \newcommand{\publisher}[2][]{%
5259   \gdef\@publisher{#2}%
5260   \begingroup%
5261     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5262     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5263     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5264     \protected@xdef\thanklesspublisher{#2}%
5265   \endgroup%
5266   \ifthenelse{\isempty{#1}}
5267     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5268     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5269 }
5270 %%
5271 % Produces a full title page
5272 \newcommand{\maketitlepage}[0]{%
5273   \cleardoublepage%
5274   {%
5275     \bfseries%
5276     \begin{fullwidth}%
5277       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5278       \vspace{11.5pc}%

```



```

5279 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5280 \vfill%
5281 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5282 \end{fullwidth}%
5283 }
5284 \thispagestyle{empty}%
5285 \clearpage%
5286 }
5287 %%
5288 % Title block
5289 \bidi@AfterEndPreamble{%
5290 \renewcommand{\maketitle}{%
5291 \newpage%
5292 \global\@topnum\z@% prevent floats from being placed at the top of the page
5293 \begin{group}
5294 \setlength{\parindent}{0pt}%
5295 \setlength{\parskip}{4pt}%
5296 \let\@title\@empty%
5297 \let\@author\@empty%
5298 \let\@date\@empty%
5299 \gdef\@title{\LARGE\itshape\@title\par}%
5300 \gdef\@author{\Large\itshape\@author\par}%
5301 \gdef\@date{\Large\itshape\@date\par}%
5302 \@title%
5303 \@author%
5304 \@date%
5305 \end{group}%
5306 \thispagestyle{plain}% suppress the running head
5307 }%
5308 }
5309 %%
5310 % Title page (if the `titlepage' option was passed to the bidentitfttitle-handout
5311 % class.)
5312 \bidi@AfterEndPreamble{%
5313 \ifthenelse{\boolean{@bidentitfttitle@titlepage}}
5314 {\renewcommand{\maketitle}{\maketitlepage}}
5315 {}
5316 }
5317 %%
5318 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5319 % without headers and footers
5320 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5321 \hbox{}
5322 %\vspace*{\fill}
5323 %\begin{center}
5324 % This page intentionally contains only this sentence.
5325 %\end{center}
5326 %\vspace{\fill}
5327 \thispagestyle{empty}
5328 \newpage

```




```
5329 \if@twocolumn\hbox{}\newpage\fi\fi\fi}
```

7.29 biditufte-handout.cls

```
5330 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5331 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
5332 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5333 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5334 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5335 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5336 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5337 \ProcessOptions\relax
5338 \LoadClass{article}
5339 \RequirePackage{bidituftefloat}
5340 \RequirePackage{bidituftesidenote}
5341 \RequirePackage{bidituftetoc}
5342 \RequirePackage{bidituftegeneralstructure}
5343 \RequirePackage{bidituftehyperref}
5344 \RequirePackage{bidituftetitle}
5345 \renewenvironment{abstract}
5346   {\begin{quotation}}
5347   {\end{quotation}}
5348 \AtBeginDocument{%
5349 \IfFileExists{biditufte-handout.cfg}
5350   {\input{biditufte-handout.cfg}
5351   \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5352   {}%
5353 }
```

7.30 biditufte-book.cls

```
5354 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5355 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5356 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5357 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5358 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5359 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5360 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5361 \ProcessOptions\relax
5362 \LoadClass{book}
5363 \RequirePackage{bidituftefloat}
5364 \RequirePackage{bidituftesidenote}
5365 \RequirePackage{bidituftetoc}
5366 \RequirePackage{bidituftegeneralstructure}
5367 \RequirePackage{bidituftehyperref}
5368 \RequirePackage{bidituftetitle}
5369 %%
5370 % Set up any book-specific stuff now
5371 %%
5372 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5373 % to the opening page of Chapter 1. The running heads, when they appear,
```



```

5374 % contain only the (arabic) page number in the outside corner.
5375 %\newif\if@mainmatter \@mainmattertrue
5376 \renewcommand\frontmatter{%
5377   \cleardoublepage%
5378   \@mainmatterfalse%
5379   \pagenumbering{arabic}%
5380   %\pagestyle{plain}%
5381   \fancyhf{}%
5382   \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
5383     {\fancyhead[LE,RO]{\thepage}}%
5384     {\fancyhead[RE,RO]{\thepage}}%
5385 }
5386 %%
5387 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5388 % numbering---it continues where it left off in the front matter.
5389 \renewcommand\mainmatter{%
5390   \cleardoublepage%
5391   \@mainmattertrue%
5392   \fancyhf{}%
5393   \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
5394     {\renewcommand\chaptermark[1]{\markboth{##1}{}}}%
5395     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5396     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5397     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5398 }
5399 %%
5400 % The back matter contains appendices, indices, glossaries, endnotes,
5401 % bibliographies, list of contributors, illustration credits, etc.
5402 \renewcommand\backmatter{%
5403   \if@openright%
5404     \cleardoublepage%
5405   \else%
5406     \clearpage%
5407   \fi%
5408   \@mainmatterfalse%
5409 }
5410 %%
5411 % Only show the chapter titles in the table of contents
5412 \setcounter{tocdepth}{0}
5413 \AtBeginDocument{%
5414   \IfFileExists{biditytufte-book.cfg}
5415     {\input{biditytufte-book.cfg}}
5416     \ClassInfo{biditytufte-book}{Loading biditytufte-book configuration file \@gobble}}
5417 {}%
5418 }

```

7.31 bidipoem.sty

```

5419 \NeedsTeXFormat{LaTeX2e}
5420 \ProvidesPackage{bidipoem}%

```



```

5421 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5422
5423 % Usage:
5424 %
5425 % \Setversedim #1#2 % define the layout (within a group):
5426 % #1 = length of both half-verses
5427 % #2 = separation distance = length of a connection, if present
5428 % Variant:
5429 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5430 % #1 = length of first (=right) half-verse
5431 % #2 = length of second (=left) half-verse
5432 % #3 = separation distance = length of a connection, if present
5433 %
5434 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5435 % #1 = text of first (=right) half-verse
5436 % #2 = text of second (=left) half-verse
5437 % Variant:
5438 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5439 % #1 = text of first (=right) half-verse
5440 % #2 = text of connection
5441 % #3 = text of second (=left) half-verse
5442 %
5443 % Alternative (if preferred):
5444 %
5445 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5446
5447
5448 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5449
5450 % define the layout, verses will be centered
5451
5452 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5453 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5454
5455 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5456 \bidipoem@hvind \textwidth
5457 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5458 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
5459 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5460
5461 \def \bidipoem@set@verseI [#1]{% optional parameter
5462 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5463
5464 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5465 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5466 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5467
5468 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5469 \ifdim Opt > \bidipoem@hvind %
5470 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block

```



```

5471 \else
5472 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5473 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5474 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
5475 \par }
5476
5477 % macro for two half verses
5478 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5479 \ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
5480 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5481 \bidipoem@half@verses@next}
5482
5483 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5484 \traditionalconnverses {#1}{#2}{#3}}
5485
5486
5487 {\catcode\^^M=\active % these lines must end with %
5488 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5489 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5490 {\catcode\^^M=\active % these lines must end with %
5491 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
5492 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5493 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5494 \def\poemmarginskip{1em plus 1fil minus 1em}
5495 \def\poemextrabaselineskip{0\baselineskip}
5496 \def\poemskip{\medskip}
5497 \newcommand{\bidipoem@openbox}{\leavevmode
5498 \hbox to.77778em{%
5499 \hfil\vrule
5500 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5501 \vrule\hfil}}
5502 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5503 \newdimen\versewidth
5504 \newtoks\bidipoem@p@ftn
5505 \def\poem@verse#1{%
5506 \ifdim\wd#1>\new@poem@width
5507 \xdef\new@poem@width{\the\wd#1}%
5508 \ifdim\new@poem@width>\poem@width
5509 \xdef\poem@width{\new@poem@width}%
5510 \global\let\poem@needrun\relax
5511 \fi
5512 \fi
5513 \hbox to\poem@width{\unhbox#1}%
5514 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5515 }
5516 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginskip\relax}
5517 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
5518 \def\poem@lineversesep{%
5519 \nobreak
5520 \hskip\z@ plus 1filll%

```



```

5521 \penalty600%
5522 \hskip\poemcolsepskip
5523 \hskip\z@ plus -2filll%
5524 \adjust{}%
5525 \nobreak
5526 \hskip\z@ plus 1filll%
5527 }
5528 \def\poem@lineparsebegin{%
5529 \halign\bgroup
5530 \global\setbox\verse@i=\hbox{%
5531 \let\@footnotetext\bidipoem@p@ftntext%
5532 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5533 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5534 \let\@xfootnotenext\bidipoem@p@xftntext%
5535 \let\@xfootnote\bidipoem@p@xfootnote%
5536 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5537 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5538 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5539 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5540 \ignorespaces##\unskip}&&
5541 \global\setbox\verse@ii=\hbox{%
5542 \let\@footnotetext\bidipoem@p@ftntext%
5543 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5544 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5545 \let\@xfootnotenext\bidipoem@p@xftntext%
5546 \let\@xfootnote\bidipoem@p@xfootnote%
5547 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5548 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5549 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5550 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5551 \ignorespaces##\unskip}
5552 \cr
5553 }
5554 \def\poem@lineparseend{%
5555 \crcr\egroup
5556 \vskip-\baselineskip
5557 }
5558 \def\traditionalpoem@cr{%
5559 \cr\poem@line
5560 }
5561 \newbox\verse@i
5562 \newbox\verse@ii
5563 \newif\ifpoem@started
5564
5565 \def\poem@line{%
5566 \poem@lineparseend
5567 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5568 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5569 \ifpoem@started
5570 \ifdim\wd\verse@ii>\z@\else

```



```

5571 \nopagebreak[3]
5572 \fi
5573 \leavevmode
5574 \poem@linebegin
5575 \poem@verse\verse@i
5576 \ifdim\wd\verse@ii>\z@
5577 \poem@lineversesep
5578 \poem@verse\verse@ii
5579 \fi
5580 \poem@lineend
5581 % \nopagebreak
5582 \par
5583 \vskip\poemextrabaselineskip
5584 \fi
5585 \poem@lineparsebegin
5586 }
5587 \def\@traditionalpoem{%
5588 \stepcounter{poem@no}
5589 \ifnum\max@poem@no<\number\c@poem@no%
5590 \xdef\poem@width{\z@}%
5591 \else
5592 \xdef\poem@width{\poem@prop{poem@width}}%
5593 \fi
5594 \xdef\new@poem@width{\z@}%
5595 \global\versewidth=\poem@width

5596 \poemskip\par
5597 \beginngroup
5598 \tabskip=\z@
5599 \parskip=\z@
5600 \parindent=\z@
5601 \parfillskip=\z@
5602 \rightskip=\z@
5603 \leftskip=\z@
5604 \widowpenalty=10000% No break between verses of the same line.
5605 \clubpenalty=10000% Same as above. Not really needed.
5606 \def\newblock{\hfil\poemblocksep\hfil\null}%
5607 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5608 \def\{\{\global\poem@startedtrue\traditionalpoem@cr\}%
5609 \global\poem@startedfalse
5610 \csname poem@obeylines\endcsname
5611 \let\poem@obeylines\relax
5612 \poem@lineparsebegin
5613 }
5614 \def\@endtraditionalpoem{%
5615 \cr
5616 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5617 \noalign{%
5618 \skip0=\poemextrabaselineskip
5619 \vskip-\skip0

```



```

5620 \vskip-\baselineskip
5621 }%
5622 \fi\fi
5623 \poem@lineparseend
5624 \endgroup
5625 \par
5626 \vskip\baselineskip
5627 \poemskip
5628 \if@nparlist \else
5629 \ifdim\lastskip >\z@
5630 \@tempskipa\lastskip \vskip -\lastskip
5631 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5632 \vskip\@tempskipa
5633 \fi
5634 \@endparenv
5635 \fi
5636 \ifdim\new@poem@width<\poem@width
5637 \global\let\poem@needrun\relax
5638 \fi
5639 \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
5640 \ifx\AtEndDocument\undefined\poem@finish\fi
5641 }
5642
5643
5644 \long\def\bidipoem@p@ftntext#1{%
5645 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
5646 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5647 \long\def\bidipoem@p@LTRftntext#1{%
5648 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5649 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5650 \long\def\bidipoem@p@RTLftntext#1{%
5651 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5652 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5653
5654 \long\def\bidipoem@p@xftntext[#1]#2{%
5655 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5656
5657 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5658 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5659
5660 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5661 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5662
5663 \def\bidipoem@p@xfootnote[#1]{%
5664 \begingroup
5665 \csname c@\@mpfn\endcsname #1\relax
5666 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5667 \endgroup
5668 \@footnotemark\bidipoem@p@xftntext[#1]}
5669

```



```

5670 \def\bidipoem@p@xLTRfootnote[#1]{%
5671   \begingroup
5672     \csname c@{@mpfn\endcsname #1\relax
5673     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5674   \endgroup
5675   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5676
5677 \def\bidipoem@p@xRTLfootnote[#1]{%
5678   \begingroup
5679     \csname c@{@mpfn\endcsname #1\relax
5680     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5681   \endgroup
5682   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5683
5684
5685
5686 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5687 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
5688 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5689 \def\poem@finish{%
5690   \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5691   \ifx\poem@needrun\relax
5692     \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5693   \global\let\poem@needrun\undefined
5694   \fi
5695 }
5696 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5697 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5698 \ifx\max@poem@no\undefined
5699   \def\max@poem@no{0}%
5700 \fi
5701 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
5702 \newcommand{\poem@write@aux}[2]{%
5703   \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5704   \@x
5705 }
5706 \def\@modernpoem{%
5707   \par
5708   \begingroup
5709   \parskip=\z@
5710   \parindent=\z@
5711   \def\[{ {\settab\@tabplus\ignorespaces}%
5712   \def\]{ {\tabminus\ignorespaces}%
5713   \def\newblock{\poemblocksep}%
5714   \let\newpoem@tabcr\@tabcr
5715   \def\modernpoem@par{% Redefine \par for possible \obeylines
5716     \ifpoem@started\else
5717       \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5718         \@stopfield
5719       \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi

```




```

5720      \@contfield
5721      \fi
5722    \fi
5723    \ifpoem@started\newpoem@tabcr\fi}%
5724 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5725 \global\poem@startedfalse
5726 \csname poem@obeylines\endcsname
5727 \let\poem@obeylines\relax
5728 \begin{tabbing}%
5729 }
5730 \def\@endmodernpoem{%
5731 \global\poem@startedfalse
5732 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5733   \@stopfield
5734   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5735   \@contfield
5736 \fi
5737 \ifpoem@started\else\let\@stopline\@stopfield\fi
5738 \end{tabbing}%
5739 \endgroup
5740 \par
5741   \if@nolist \else
5742     \ifdim\lastskip >\z@
5743       \@tempskipa\lastskip \vskip -\lastskip
5744       \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5745       \vskip\@tempskipa
5746     \fi
5747     \@endparenv
5748   \fi
5749 }
5750 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5751 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@obeylines}
5752 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5753 \gdef\@startfield{%
5754 \global\setbox\@curfield\hbox\bgroup%
5755 \let\@footnotetext\bidipoem@p@ftntext%
5756 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5757 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5758 \let\@xfootnotenext\bidipoem@p@xftntext%
5759 \let\@xfootnote\bidipoem@p@xfootnote%
5760 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5761 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5762 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5763 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5764 \color@begingroup}
5765 \gdef\@stopfield{%
5766 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5767 \gdef\@contfield{%
5768 \global\setbox\@curfield\hbox\bgroup%
5769 \let\@footnotetext\bidipoem@p@ftntext%

```



```

5770 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5771 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5772 \let\@xfootnotenext\bidipoem@p@xftntext%
5773 \let\@xfootnote\bidipoem@p@xfootnote%
5774 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5775 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5776 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5777 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5778 \color@begingroup\unhbox\@curfield}

```

7.32 boek3-xetex-bidi.def

```

5779 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX e
5780 \renewenvironment{theindex}{%
5781   \if@twocolumn
5782     \@restonecolfalse
5783   \else
5784     \@restonecoltrue
5785   \fi
5786   \columnseprule \z@
5787   \columnsep 35\p@
5788   \twocolumn[\@makeschapterhead{\indexname}]%
5789   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5790   \thispagestyle{plain}\parindent\z@
5791   \parskip\z@ \@plus .3\p@\relax
5792   \let\item\@idxitem
5793 }{%
5794   \if@restonecol\onecolumn\else\clearpage\fi}
5795 \renewcommand*{\head@style}{%
5796   \interlinepenalty \@M
5797   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5798   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5799 \renewcommand*{\regtocline}[3]{%
5800   \ifnum #1>\c@tocdepth
5801   \else
5802     \vskip\z@ \@plus .2\p@
5803     {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
5804       \if@RTL\rightskip\else\leftskip\fi\unitindent
5805       \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
5806       \parfillskip\z@
5807       \@tempdima\unitindent
5808       \parindent\z@
5809       \leavevmode
5810       \hbox{\hspace -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5811         \hspace 1em \nobreak{\slshape #3}\par
5812       }%
5813   \fi}
5814 \if@oldtoc
5815 \renewcommand*{\l@part}[2]{%
5816   \ifnum \c@tocdepth >-2\relax

```



```

5817 \addpenalty{-\@highpenalty}%
5818 \addvspace{2.25em \@plus\p@}%
5819 \beginingroup
5820 \setlength\@tempdima{3em}%
5821 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5822 \parfillskip -\@pnumwidth
5823 {\leavevmode
5824 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5825 \nobreak
5826 \global\@nobreaktrue
5827 \everypar{\global\@nobreakfalse\everypar{}}%
5828 \endgroup
5829 \fi}
5830 \else
5831 \renewcommand*\l@part{%
5832 \ifnum \c@tocdepth >-2\relax
5833 \addpenalty{-\@highpenalty}%
5834 \addvspace{2.25em \@plus \p@}%
5835 \@regtocline{0}%
5836 \fi}
5837 \fi
5838 \if@oldtoc
5839 \renewcommand*\l@chapter[2]{%
5840 \addpenalty{-\@highpenalty}%
5841 \vskip 1.0em \@plus\p@
5842 \setlength\@tempdima{1.5em}%
5843 \beginingroup
5844 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5845 \parfillskip -\@pnumwidth
5846 \leavevmode \bfseries
5847 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5848 \hskip -\if@RTL\rightskip\else\leftskip\fi
5849 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5850 \penalty\@highpenalty
5851 \endgroup}
5852 \else
5853 \renewcommand*\l@chapter{\@regtocline{0}}
5854 \fi
5855 \renewenvironment{abstract}{%
5856 \titlepage
5857 \null\vfil
5858 \section*{\SectFont \abstractname}
5859 \noindent\ignorespaces}
5860 {\par\vfil\null\endtitlepage}
5861 \renewenvironment{thebibliography}[1]
5862 {\chapter*{\bibname}%
5863 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5864 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5865 \list{\@biblabel{\@arabic\c@enumiv}}%
5866 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

5867         \leftmargin\labelwidth
5868         \advance\leftmargin\labelsep
5869         \@openbib@code
5870         \usecounter{enumiv}%
5871         \let\p@enumiv\@empty
5872         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5873     \sloppy\clubpenalty4000\widowpenalty4000%
5874     \sfcode`.\@M}
5875     {\def\@noitemerr
5876      {\@latex@warning{Empty `thebibliography' environment}}}%
5877     \endlist}
5878 \renewcommand*\left@footnoterule{%
5879   \kern-3\p@
5880   \kern.5\baselineskip
5881   \hrule\@width\unitindent
5882   \kern.4\baselineskip
5883 }
5884 \renewcommand*\right@footnoterule{%
5885   \kern-3\p@
5886   \kern.5\baselineskip
5887   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5888   \kern.4\baselineskip}
5889 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5890 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5891 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5892 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5893 \renewcommand*\thesubparagraph{\thesubparagraph\@SepMark\@arabic\c@subparagraph}
5894 \renewcommand*\theequation{%
5895   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5896 \renewcommand*\thefigure{%
5897   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5898 \renewcommand*\thetable{%
5899   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5900 \renewcommand*\maketitle{%
5901   \begin{titlepage}%
5902     \let\footnotesize\small
5903     \let\right@footnoterule\relax
5904     \let\left@footnoterule\relax
5905     \let\textwidth\footnoterule\relax
5906     \let \footnote \thanks
5907     \long\def\@makefnmark##1{\parindent\z@
5908       \def\labelitemi{\textendash}\@revlabeltrue
5909       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5910     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5911     \if@compatibility\setcounter{page}{0}\fi
5912     \null\vfil
5913     \vskip 60\p@
5914     \begin{center}%
5915       \TitleFont
5916       {\LARGE \def\\{\penalty -\@M}

```



```

5917         \if@allcaps
5918             \expandafter\uc@nothanks\@title\thanks\relax
5919         \else
5920             \@title
5921         \fi\par}%
5922     \vskip 3em%
5923     {\large
5924         \lineskip .75em \parindent\z@
5925         \begin{tabular}[t]{c}%
5926             \if@allcaps
5927                 \expandafter\uc@authornothanks\@author\and\relax
5928             \else
5929                 \@author
5930             \fi
5931         \end{tabular}\par}%
5932     \vskip 1.5em%
5933     {\large
5934         \if@allcaps
5935             \uppercase\expandafter{\@date}%
5936         \else
5937             \@date
5938         \fi\par}%
5939     \end{center}\par
5940     \@thanks
5941     \vfil\null
5942 \end{titlepage}%
5943 \setcounter{footnote}{0}%
5944 \global\let\thanks\relax
5945 \global\let\maketitle\relax
5946 \global\let\@thanks\@empty
5947 \global\let\@author\@empty
5948 \global\let\@title\@empty
5949 \global\let\@date\@empty
5950 \global\let\title\relax
5951 \global\let\author\relax
5952 \global\let\date\relax
5953 \global\let\and\relax
5954 }

```

7.33 boek-xetex-bidi.def

```

5955 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5956 \renewenvironment{theindex}{%
5957     \if@twocolumn
5958         \@restonecolfalse
5959     \else
5960         \@restonecoltrue
5961     \fi
5962     \columnseprule \z@
5963     \columnsep 35\p@

```



```

5964 \twocolumn[\@makeschapterhead{\indexname}}]%
5965 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5966 \thispagestyle{plain}\parindent\z@
5967 \parskip\z@ \@plus .3\p@\relax
5968 \let\item\@idxitem
5969 }{%
5970 \if@restonecol\onecolumn\else\clearpage\fi}
5971 \renewcommand*\head@style{%
5972   \interlinepenalty \@M
5973   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5974   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5975 \renewcommand*\@regtocline[3]{%
5976   \ifnum #1>\c@tocdepth
5977   \else
5978     \vskip\z@ \@plus .2\p@
5979     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5980     \if@RTL\rightskip\else\leftskip\fi\unitindent
5981     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5982     \parfillskip\z@
5983     \@tempdima\unitindent
5984     \parindent\z@
5985     \leavevmode
5986     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5987     \hskip 1em \nobreak{\slshape #3}\par
5988   }%
5989   \fi}
5990 \if@oldtoc
5991 \renewcommand*\l@part[2]{%
5992   \ifnum \c@tocdepth >-2\relax
5993     \addpenalty{-\@highpenalty}%
5994     \addvspace{2.25em \@plus\p@}%
5995     \begingroup
5996       \setlength\@tempdima{3em}%
5997       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5998       \parfillskip -\@pnumwidth
5999       {\leavevmode
6000         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6001         \nobreak
6002         \global\@nobreaktrue
6003         \everypar{\global\@nobreakfalse\everypar{}}%
6004       \endgroup
6005     \fi}
6006 \else
6007   \renewcommand*\l@part{%
6008     \ifnum \c@tocdepth >-2\relax
6009       \addpenalty{-\@highpenalty}%
6010       \addvspace{2.25em \@plus \p@}%
6011       \@regtocline{0}%
6012     \fi}
6013 \fi

```



```

6014 \if@oldtoc
6015 \renewcommand*\l@chapter[2]{%
6016     \addpenalty{-\@highpenalty}%
6017     \vskip 1.0em \@plus\p@
6018     \setlength\@tempdima{1.5em}%
6019     \begingroup
6020     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6021     \parfillskip -\@pnumwidth
6022     \leavevmode \bfseries
6023     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6024     \hskip -\if@RTL\rightskip\else\leftskip\fi
6025     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6026     \penalty\@highpenalty
6027     \endgroup}
6028 \else
6029 \renewcommand*\l@chapter{\@regtocline{0}}
6030 \fi
6031 \renewcommand*\left@footnoterule{%
6032     \kern-3\p@
6033     \kern.5\baselineskip
6034     \hrule\@width\unitindent
6035     \kern.4\baselineskip
6036 }
6037 \renewcommand*\right@footnoterule{%
6038     \kern-3\p@
6039     \kern.5\baselineskip
6040     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6041     \kern.4\baselineskip}
6042 \renewenvironment{abstract}{%
6043     \titlepage
6044     \null\vfil
6045     \section*{\SectFont \abstractname}
6046     \noindent\ignorespaces}
6047     {\par\vfil\null\endtitlepage}
6048 \renewenvironment{thebibliography}[1]
6049     {\chapter*{\bibname}%
6050     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6051     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6052     \list{\@biblabel{\@arabic\c@enumiv}}%
6053         {\settowidth\labelwidth{\@biblabel{#1}}%
6054         \leftmargin\labelwidth
6055         \advance\leftmargin\labelsep
6056         \@openbib@code
6057         \usecounter{enumiv}%
6058         \let\p@enumiv\@empty
6059         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6060     \sloppy\clubpenalty4000\widowpenalty4000%
6061     \sfcode`\.\@m}
6062     {\def\@noitemerr
6063     {\@latex@warning{Empty `thebibliography' environment}}}%

```



```

6064         \endlist}
6065 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6066 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
6067 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
6068 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
6069 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
6070 \renewcommand*\theequation{%
6071   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\cequation}
6072 \renewcommand*\thefigure{%
6073   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\cfigure}
6074 \renewcommand*\thetable{%
6075   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\ctable}
6076 \renewcommand*\maketitle{%
6077   \begin{titlepage}%
6078     \let\footnotesize\small
6079     \let\right@footnoterule\relax
6080     \let\left@footnoterule\relax
6081     \let\textwidth@footnoterule\relax
6082     \let \footnote \thanks
6083     \long\def\@makefnmark##1{\parindent\z@
6084       \def\labelitemi{\textendash}\@revlabeltrue
6085       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6086     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6087     \if@compatibility\setcounter{page}{0}\fi
6088     \null\vfil
6089     \vskip 60\p@
6090     \begin{center}%
6091       \TitleFont
6092       {\LARGE \def\\{\penalty -\@M}
6093         \if@allcaps
6094           \expandafter\uc@nothanks\@title\thanks\relax
6095         \else
6096           \@title
6097         \fi\par}%
6098       \vskip 3em%
6099       {\large
6100         \lineskip .75em \parindent\z@
6101         \begin{tabular}[t]{c}%
6102           \if@allcaps
6103             \expandafter\uc@authornothanks\@author\and\relax
6104           \else
6105             \@author
6106           \fi
6107         \end{tabular}\par}%
6108       \vskip 1.5em%
6109       {\large
6110         \if@allcaps
6111           \uppercase\expandafter{\@date}%
6112         \else
6113           \@date

```




```

6114         \fi\par}%
6115     \end{center}\par
6116     \@thanks
6117     \vfil\null
6118 \end{titlepage}%
6119 \setcounter{footnote}{0}%
6120 \global\let\thanks\relax
6121 \global\let\maketitle\relax
6122 \global\let\@thanks\@empty
6123 \global\let\@author\@empty
6124 \global\let\@title\@empty
6125 \global\let\@date\@empty
6126 \global\let\title\relax
6127 \global\let\author\relax
6128 \global\let\date\relax
6129 \global\let\and\relax
6130 }

```

7.34 bookest-xetex-bidi.def

```

6131 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
6132 \def\@makechapterhead#1{%
6133     \vspace*{20\p@}
6134     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6135         \ifnum \c@secnumdepth >\m@ne
6136             \if@mainmatter
6137                 {\colorA\huge\scshape \@chapapp\space \thechapter}
6138                 \par\nobreak
6139                 \vskip 10\p@
6140             \fi
6141             \fi
6142             \interlinepenalty\@M
6143             {\colorB\hrule}
6144             \vskip 15\p@
6145             \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6146                 {\colorA\Huge \bfseries #1}\par\nobreak
6147             \if@RTL\end{flushleft}\else\end{flushright}\fi
6148             \vskip 5\p@
6149             {\colorB\hrule}
6150             \vskip 30\p@
6151         }}
6152 \def\@makeschapterhead#1{%
6153     \vspace*{20\p@}
6154     {\parindent \z@ \raggedright \normalfont
6155         {\colorB\hrule}
6156         \vskip 15\p@
6157         \begin{center}
6158             {\colorA\Huge \bfseries #1}\par\nobreak
6159         \end{center}
6160         \vskip 5\p@

```



```

6161 {\colorB\hrule}
6162 \vskip 30\p@
6163 }}

```

7.35 book-xetex-bidi.def

```

6164 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for ]
6165 \renewenvironment{theindex}
6166     {\if@twocolumn
6167       \@restonecolfalse
6168       \else
6169         \@restonecoltrue
6170       \fi
6171       \columnseprule \z@
6172       \columnsep 35\p@
6173       \twocolumn[\@makeschapterhead{\indexname}]}%
6174       \@mkboth{\MakeUppercase\indexname}%
6175               {\MakeUppercase\indexname}%
6176       \thispagestyle{plain}\parindent\z@
6177       \parskip\z@ \@plus .3\p@\relax
6178       \let\item\@idxitem}
6179     {\if@restonecol\onecolumn\else\clearpage\fi}
6180 \@ifclassloaded{bookest}{\}{%
6181   \if@titlepage
6182     \renewcommand\maketitle{\begin{titlepage}%
6183       \let\footnotesize\small
6184       \let\right@footnoterule\relax
6185       \let\left@footnoterule\relax
6186       \let\textwidth\footnoterule\relax
6187       \let \footnote \thanks
6188       \let \LTRfootnote \LTRthanks
6189       \let \RTLfootnote \RTLthanks
6190       \null\vfil
6191       \vskip 60\p@
6192       \begin{center}%
6193         {\LARGE \@title \par}%
6194         \vskip 3em%
6195         {\large
6196           \lineskip .75em%
6197           \begin{tabular}[t]{c}%
6198             \@author
6199           \end{tabular}\par}%
6200         \vskip 1.5em%
6201         {\large \@date \par}%           % Set date in \large size.
6202       \end{center}\par
6203       \@thanks
6204       \vfil\null
6205     \end{titlepage}%
6206     \setcounter{footnote}{0}%
6207     \global\let\thanks\relax

```



```

6208 \global\let\LTRthanks\relax
6209 \global\let\RTLthanks\relax
6210 \global\let\maketitle\relax
6211 \global\let\@thanks\@empty
6212 \global\let\@author\@empty
6213 \global\let\@date\@empty
6214 \global\let\@title\@empty
6215 \global\let\title\relax
6216 \global\let\author\relax
6217 \global\let\date\relax
6218 \global\let\and\relax
6219 }
6220 \else
6221 \renewcommand\maketitle{\par
6222 \begingroup
6223 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6224 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6225 \long\def\@makefntext##1{\parindent 1em\noindent
6226 \hb@xt@1.8em{%
6227 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6228 \if@twocolumn
6229 \ifnum \col@number=\@ne
6230 \@maketitle
6231 \else
6232 \twocolumn[\@maketitle]%
6233 \fi
6234 \else
6235 \newpage
6236 \global\@topnum\z@ % Prevents figures from going at top of page.
6237 \@maketitle
6238 \fi
6239 \thispagestyle{plain}\@thanks
6240 \endgroup
6241 \setcounter{footnote}{0}%
6242 \global\let\thanks\relax
6243 \global\let\LTRthanks\relax
6244 \global\let\RTLthanks\relax
6245 \global\let\maketitle\relax
6246 \global\let\@maketitle\relax
6247 \global\let\@thanks\@empty
6248 \global\let\@author\@empty
6249 \global\let\@date\@empty
6250 \global\let\@title\@empty
6251 \global\let\title\relax
6252 \global\let\author\relax
6253 \global\let\date\relax
6254 \global\let\and\relax
6255 }
6256 \def\@maketitle{%
6257 \newpage

```



```

6258 \null
6259 \vskip 2em%
6260 \begin{center}%
6261 \let \footnote \thanks
6262 \let \LTRfootnote \LTRthanks
6263 \let \RTLfootnote \RTLthanks
6264 {\LARGE \@title \par}%
6265 \vskip 1.5em%
6266 {\large
6267 \lineskip .5em%
6268 \begin{tabular}[t]{c}%
6269 \@author
6270 \end{tabular}\par}%
6271 \vskip 1em%
6272 {\large \@date}%
6273 \end{center}%
6274 \par
6275 \vskip 1.5em}
6276 \fi}
6277 \renewcommand*\l@part[2]{%
6278 \ifnum \c@tocdepth >-2\relax
6279 \addpenalty{-\@highpenalty}%
6280 \addvspace{2.25em \@plus\p@}%
6281 \setlength\@tempdima{3em}%
6282 \begingroup
6283 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6284 \parfillskip -\@pnumwidth
6285 {\leavevmode
6286 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6287 \nobreak
6288 \global\@nobreaktrue
6289 \everypar{\global\@nobreakfalse\everypar{}}%
6290 \endgroup
6291 \fi}
6292 \renewcommand*\l@chapter[2]{%
6293 \ifnum \c@tocdepth >\m@ne
6294 \addpenalty{-\@highpenalty}%
6295 \vskip 1.0em \@plus\p@
6296 \setlength\@tempdima{1.5em}%
6297 \begingroup
6298 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6299 \parfillskip -\@pnumwidth
6300 \leavevmode \bfseries
6301 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6302 \hskip -\if@RTL\rightskip\else\leftskip\fi
6303 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6304 \penalty\@highpenalty
6305 \endgroup
6306 \fi}
6307 \renewcommand\left@footnoterule{%

```



```

6308 \kern-3\p@
6309 \hrule\@width.4\columnwidth
6310 \kern2.6\p@}
6311 \renewcommand\right@footnoterule{%
6312 \kern-3\p@
6313 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6314 \kern2.6\p@}
6315 \renewcommand\theequation
6316 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6317 \renewcommand \thefigure
6318 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6319 \renewcommand \thetable
6320 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6321 \renewcommand \thechapter {\@arabic\c@chapter}
6322 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6323 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6324 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
6325 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6326 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6327 \def\@makechapterhead#1{%
6328 \vspace*{50\p@}%
6329 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6330 \ifnum \c@secnumdepth >\m@ne
6331 \if@mainmatter
6332 \huge\bfseries \@chapapp\space \thechapter
6333 \par\nobreak
6334 \vskip 20\p@
6335 \fi
6336 \fi
6337 \interlinepenalty\@M
6338 \Huge \bfseries #1\par\nobreak
6339 \vskip 40\p@
6340 }}
6341 \def\@makeschapterhead#1{%
6342 \vspace*{50\p@}%
6343 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6344 \normalfont
6345 \interlinepenalty\@M
6346 \Huge \bfseries #1\par\nobreak
6347 \vskip 40\p@
6348 }}
6349 \renewcommand\backmatter{%
6350 \if@openright
6351 \cleardoublepage
6352 \else
6353 \clearpage
6354 \fi
6355 \@mainmatterfalse}
6356 \renewenvironment{thebibliography}[1]
6357 {\chapter*{\bibname}%

```



```

6358      \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6359      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6360      \list{\@biblabel{\@arabic\c@enumiv}}%
6361          {\settowidth\labelwidth{\@biblabel{#1}}%
6362           \leftmargin\labelwidth
6363           \advance\leftmargin\labelsep
6364           \@openbib@code
6365           \usecounter{enumiv}%
6366           \let\p@enumiv\@empty
6367           \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6368      \sloppy
6369      \clubpenalty4000
6370      \@clubpenalty \clubpenalty
6371      \widowpenalty4000%
6372      \sfcode`. \m}
6373      {\def\@noitemerr
6374       {\@latex@warning{Empty `thebibliography' environment}}}%
6375      \endlist}

```

7.36 breqn-xetex-bidi.def

```

6376 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for XeTeX]
6377 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6378 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6379 \if@noskipsec \leavevmode \fi
6380 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6381 \if\eq@group\else\eq@prelim\fi
6382 \setkeys{breqn}{#1}%
6383 \the\eqstyle
6384 \eq@setnumber
6385 \begingroup
6386 \eq@setup@a
6387 \eq@startup
6388 }
6389 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6390 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6391 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6392 \global\let\GRP@label\@empty
6393 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6394 \global\grp@linewidth\z@\global\grp@wdNum\z@
6395 \global\let\grp@eqs@numbered\@False
6396 \global\let\grp@aligned\@True
6397 \global\let\grp@shiftnumber\@False
6398 \eq@prelim
6399 \setkeys{breqn}{#1}%
6400 \if\grp@hasNumber \grp@setnumber \fi
6401 }
6402 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6403 \let\display@setup\dseries@display@setup
6404 % Question: should this be the default for dseries???

```



```

6405 \global\eq@wdCond\z@
6406 \dmath[layout={M},#1]%
6407 \mathsurround\z@% \math \penalty\@Mi
6408 \let\endmath\ends@math
6409 \def\premath{%
6410   \ifdim\lastskip<.3em \unskip
6411   \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6412 }%
6413 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6414 \ignorespaces
6415 }
6416 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
6417 \renewenvironment{dsuspend}{%
6418   \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6419   \parshape 1 \displayindent \displaywidth\relax
6420   \hsize=\columnwidth \noindent\ignorespaces
6421 }{%
6422   \par\egroup
6423   \global\setbox\GRP@box\vbox{%
6424     \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
6425     \unvbox\GRP@box
6426   }%
6427   \global\GRP@queue\exp{\the\GRP@queue
6428     \@elt{\let\eq@isInterText\@True}%
6429   }%
6430 }

```

7.37 cals-xetex-bidi.def

```

6431 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX e
6432 \renewenvironment{calstable}[1][c]{%
6433 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi
6434 \if l#1%
6435   \if@RTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
6436 \else\if r#1%
6437   \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6438 \else\if c#1%
6439   \leftskip\fill \rightskip\fill
6440 \fi\fi\fi
6441 \let\cals@thead@tokens=\relax
6442 \let\cals@tfoot@tokens=\relax
6443 \let\cals@tbreak@tokens=\relax
6444 \cals@tfoot@height=0pt \relax
6445 \let\cals@last@context=n%
6446 \let\cals@current@context=b%
6447 \parindent=0pt %
6448 \cals@setpadding{Ag}\cals@setcellprevdepth{A1}\cals@set@tohsize%
6449 %% Alignment inside is independent on center/flushright outside
6450 \parfillskip=0pt plus1fil\relax
6451 \let\cals@borderL=\relax

```



```

6452 \let\cals@borderR=\relax
6453 \let\cals@borderT=\relax
6454 \let\cals@borderB=\relax
6455 }{% End of the table
6456 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6457
6458 \renewcommand\alignL{%
6459 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\
6460 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6461
6462 \renewcommand\alignR{%
6463 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
6464 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.38 caption-xetex-bidi.def

```

6465 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6466 \let\@makecaption\caption@makecaption

```

7.39 caption3-xetex-bidi.def

```

6467 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6468 \renewcommand*\caption@par{%
6469 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.40 colortbl-xetex-bidi.def

```

6470 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6471 \def\CT@setup{%
6472 \@tempdmb\col@sep
6473 \@tempdimc\col@sep
6474 \def\CT@color{%
6475 \global\let\CT@do@color\CT@do@color
6476 \bidicolor}}
6477 \def\@classz{\@classx
6478 \@tempcnta\count@
6479 \prepnext@tok
6480 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6481 \@addtopreamble{\if@RTLtab\beginL\fi%
6482 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6483 \ifcase \@chnum
6484 \hskip\stretch{.5}\kern\z@
6485 \d@llarbegin
6486 \insert@column
6487 \d@llarend\hskip\stretch{.5}\or
6488 \d@llarbegin \insert@column \d@llarend \hfill \or
6489 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6490 $\vcenter
6491 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6492 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6493 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6494 \fi

```




```

6495 \if@RTLtab\endR\fi\egroup\egroup
6496 \begingroup
6497 \CT@setup
6498 \CT@column@color
6499 \CT@row@color
6500 \CT@cell@color
6501 \CT@do@color
6502 \endgroup
6503 \tempdima\ht\z@
6504 \advance\tempdima\minrowclearance
6505 \vrule\@height\tempdima\@width\z@
6506 \unhbox\z@\if@RTLtab\endL\fi}%
6507 \prepnext@tok}

```

7.41 color-xetex-bidi.def

```

6508 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX]
6509 \long\def\color@b@x#1#2#3{%
6510 \leavevmode\ifhmode\else\if@RTL\beginL\fi\fi
6511 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6512 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6513 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6514 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6515 \box\z@}}\ifhmode\else\if@RTL\endL\fi\fi}
6516 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6517 \DeclareRobustCommand\color{%
6518 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
6519 \def\@declaredcolor#1{%
6520 \@ifundefined{string\color @#1}%
6521 {\c@lor@error{`#1'}}%
6522 {\expandafter\let\expandafter\current@color
6523 \csname\string\color @#1\endcsname
6524 \set@color}%
6525 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6526 \def\@undeclaredcolor[#1]#2{%
6527 \@ifundefined{color@#1}%
6528 {\c@lor@error{model `#1'}}%
6529 {\csname color@#1\endcsname\current@color{#2}%
6530 \set@color}%
6531 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6532 \DeclareRobustCommand\bicolor{%
6533 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6534 \def\@bidiundeclaredcolor[#1]#2{%
6535 \@ifundefined{color@#1}%
6536 {\c@lor@error{model `#1'}}%
6537 {\csname color@#1\endcsname\current@color{#2}%
6538 \set@color}%
6539 \ignorespaces}
6540 \def\@bidideclaredcolor#1{%
6541 \@ifundefined{string\color @#1}%

```



```

6542 {\color@error{`#1'}}}%
6543 {\expandafter\let\expandafter\current@color
6544 \csname\string\color @#1\endcsname
6545 \set@color}%
6546 \ignorespaces}
6547 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6548 \def\color@fbox#1#2#3{%
6549 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6550 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.42 combine-xetex-bidi.def

```

6551 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeT
6552 \renewcommand{\c@ll@chapsecii}[2]{%
6553 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6554 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6555 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6556 }
6557 \renewcommand{\c@ll@chapseci}{%
6558 \setlength\@tempdima{0em}%
6559 \begingroup
6560 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6561 \parfillskip -\@pnumwidth
6562 \leavevmode
6563 }
6564 \renewenvironment{tocindent}[1]{%
6565 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

7.43 crop-xetex-bidi.def

```

6566 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX e
6567 \renewcommand*\CROP@ulc{%
6568 \if@RTLmain%
6569 \begin{picture}(0,0)
6570 \unitlength\p@\thinlines
6571 \put(-40,0){\circle{10}}
6572 \put(-30,-5){\line(0,1){10}}
6573 \put(-35,0){\line(1,0){30}}
6574 \put(-10,30){\circle{10}}
6575 \put(-5,30){\line(1,0){10}}
6576 \put(0,35){\line(0,-1){30}}
6577 \end{picture}%
6578 \else%
6579 \begin{picture}(0,0)
6580 \unitlength\p@\thinlines
6581 \put(-30,0){\circle{10}}
6582 \put(-30,-5){\line(0,1){10}}
6583 \put(-35,0){\line(1,0){30}}
6584 \put(0,30){\circle{10}}
6585 \put(-5,30){\line(1,0){10}}
6586 \put(0,35){\line(0,-1){30}}

```



```

6587 \end{picture}%
6588 \fi%
6589 }
6590 \renewcommand*\CROP@urc{%
6591 \if@RTLmain%
6592 \begin{picture}(0,0)
6593 \unitlength\p@\thinlines
6594 \put(20,0){\circle{10}}
6595 \put(30,-5){\line(0,1){10}}
6596 \put(35,0){\line(-1,0){30}}
6597 \put(-10,30){\circle{10}}
6598 \put(-5,30){\line(1,0){10}}
6599 \put(0,35){\line(0,-1){30}}
6600 \end{picture}%
6601 \else%
6602 \begin{picture}(0,0)
6603 \unitlength\p@\thinlines
6604 \put(30,0){\circle{10}}
6605 \put(30,-5){\line(0,1){10}}
6606 \put(35,0){\line(-1,0){30}}
6607 \put(0,30){\circle{10}}
6608 \put(-5,30){\line(1,0){10}}
6609 \put(0,35){\line(0,-1){30}}
6610 \end{picture}%
6611 \fi%
6612 }
6613 \renewcommand*\CROP@llc{%
6614 \if@RTLmain%
6615 \begin{picture}(0,0)
6616 \unitlength\p@\thinlines
6617 \put(-40,0){\circle{10}}
6618 \put(-30,-5){\line(0,1){10}}
6619 \put(-35,0){\line(1,0){30}}
6620 \put(-10,-30){\circle{10}}
6621 \put(-5,-30){\line(1,0){10}}
6622 \put(0,-35){\line(0,1){30}}
6623 \end{picture}%
6624 \else%
6625 \begin{picture}(0,0)
6626 \unitlength\p@\thinlines
6627 \put(-30,0){\circle{10}}
6628 \put(-30,-5){\line(0,1){10}}
6629 \put(-35,0){\line(1,0){30}}
6630 \put(0,-30){\circle{10}}
6631 \put(-5,-30){\line(1,0){10}}
6632 \put(0,-35){\line(0,1){30}}
6633 \end{picture}%
6634 \fi%
6635 }
6636 \renewcommand*\CROP@lrc{%

```



```

6637 \if@RTLmain%
6638 \begin{picture}(0,0)
6639 \unitlength\p@\thinlines
6640 \put(20,0){\circle{10}}
6641 \put(30,-5){\line(0,1){10}}
6642 \put(35,0){\line(-1,0){30}}
6643 \put(-10,-30){\circle{10}}
6644 \put(-5,-30){\line(1,0){10}}
6645 \put(0,-35){\line(0,1){30}}
6646 \end{picture}%
6647 \else%
6648 \begin{picture}(0,0)
6649 \unitlength\p@\thinlines
6650 \put(30,0){\circle{10}}
6651 \put(30,-5){\line(0,1){10}}
6652 \put(35,0){\line(-1,0){30}}
6653 \put(0,-30){\circle{10}}
6654 \put(-5,-30){\line(1,0){10}}
6655 \put(0,-35){\line(0,1){30}}
6656 \end{picture}%
6657 \fi%
6658 }
6659 \ifpackagewith{crop}{cam}{%
6660 \CROP@execopt{cam}%
6661 }{}

```

7.44 cutwin-xetex-bidi.def

```

6662 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
6663 \renewcommand*{\c@twcompctr}[2]{%
6664 \def\c@twfirst{1}
6665 \loop\advance\c@twwinlines\m@ne
6666 \setbox\c@twslicea=\vsplit#1 to\baselineskip
6667 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6668 \c@twprune{\c@twslicea}{\c@twlftside}%
6669 \c@twprune{\c@twsliceb}{\c@twrtside}%
6670 \ifnum\c@twfirst=\@ne
6671 \setbox#2=\vbox{\unvbox#2\hbox
6672 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsl
6673 \else
6674 \setbox#2=\vbox{\unvbox#2\hbox
6675 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
6676 \fi
6677 \def\c@twfirst{2}
6678 \ifnum\c@twwinlines>\z@\repeat}
6679 \renewcommand*{\c@twcompoddctr}[2]{%
6680 \def\c@twrounds{1}
6681 \def\c@twfirst{1}
6682 \@for\c@twlspec:=\c@twb\do{%
6683 \ifnum\c@twrounds=1

```



```

6684     \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6685     \c@twprune{\c@twslicea}{\c@twlspec}%
6686     \def\c@twrounds{2}
6687   \else
6688     \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6689     \c@twprune{\c@twsliceb}{\c@twlspec}%
6690     \ifnum\c@twfirst=1
6691       \setbox#2=\vbox{\unvbox#2\hbox
6692 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\
6693     \def\c@twfirst{2}
6694   \else
6695     \setbox#2=\vbox{\unvbox#2\hbox
6696 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\
6697   \fi
6698   \def\c@twrounds{1}
6699 \fi}}

```

7.45 cuted-xetex-bidi.def

```

6700 \ProvidesFile{cuted-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for cuted package for XeTeX]
6701
6702 \def\RTL@outputdblcol{%
6703   \if@firstcolumn
6704     \global\@firstcolumnfalse
6705     \global\setbox\@leftcolumn\copy\@outputbox
6706     \splitmaxdepth\maxdimen
6707     \vbadness\maxdimen
6708     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6709     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6710     \toks@{\expandafter{\topmark}}%
6711     \xdef\@firstcoltopmark{\the\toks@}%
6712     \toks@{\expandafter{\splitfirstmark}}%
6713     \xdef\@firstcolfirstmark{\the\toks@}%
6714     \ifx\@firstcolfirstmark\@empty
6715       \global\let\@setmarks\relax
6716     \else
6717       \gdef\@setmarks{%
6718         \let\firstmark\@firstcolfirstmark
6719         \let\topmark\@firstcoltopmark}%
6720     \fi
6721   \else
6722     \global\@firstcolumntrue
6723     \setbox\@outputbox\vbox{%
6724       \hb@xt@\textwidth{%
6725         \hskip \columnwidth
6726         \hfil
6727         {\normalcolor\vrule \@width\columnseprule}%
6728         \hfil
6729         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6730         \hskip -\textwidth

```



```

6731      \hb@xt@\columnwidth{\box\@outputbox \hss}%
6732      \hskip \columnsep
6733      \hskip \columnwidth }}%
6734      \ifvoid\hold@viper
6735      \else
6736      \setbox\@outputbox \vbox to\textheight{%
6737                          \box\hold@viper
6738                          \box\@outputbox
6739                          \vss
6740      }%
6741      \fi
6742      \@combinedblfloats
6743      \@setmarks
6744      \@outputpage
6745      \beginingroup
6746      \@dblfloatplacement
6747      \@startdblcolumn
6748      \@whiles\if@fcolmade \fi{\@outputpage
6749      \@startdblcolumn}%
6750      \ifvoid\@viper
6751      \else
6752      \global\setbox\@viper\vbox{%
6753                          \vskip-\stripsep
6754                          \unvbox\@viper
6755      }%
6756      \@viperoutput
6757      \fi
6758      \endgroup
6759      \fi}%
6760
6761      \def\LTR@outputdblcol{%
6762      \if@firstcolumn
6763      \global\@firstcolumnfalse
6764      \global\setbox\@leftcolumn\copy\@outputbox
6765      \splitmaxdepth\maxdimen
6766      \vbadness\maxdimen
6767      \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6768      \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6769      \toks@\expandafter{\topmark}%
6770      \xdef\@firstcoltopmark{\the\toks@}%
6771      \toks@\expandafter{\splitfirstmark}%
6772      \xdef\@firstcolfirstmark{\the\toks@}%
6773      \ifx\@firstcolfirstmark\@empty
6774      \global\let\@setmarks\relax
6775      \else
6776      \gdef\@setmarks{%
6777      \let\firstmark\@firstcolfirstmark
6778      \let\topmark\@firstcoltopmark}%
6779      \fi
6780      \else

```



```

6781 \global\@firstcolumntrue
6782 \setbox\@outputbox\vbox{%
6783   \hb@xt@\textwidth{%
6784     \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6785     \hfil
6786     {\normalcolor\vrule \@width\columnseprule}%
6787     \hfil
6788     \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
6789 \ifvoid\hold@viper
6790 \else
6791   \setbox\@outputbox \vbox to\textheight{%
6792     \box\hold@viper
6793     \box\@outputbox
6794     \vss
6795   }%
6796 \fi
6797 \@combinedblfloats
6798 \@setmarks
6799 \@outputpage
6800 \begingroup
6801 \@@dblfloatplacement
6802 \@@startdblcolumn
6803 \@whiles\if@fcolmade \fi{\@outputpage
6804 \@@startdblcolumn}%
6805 \ifvoid\@viper
6806 \else
6807   \global\setbox\@viper\vbox{%
6808     \vskip-\stripsep
6809     \unvbox\@viper
6810   }%
6811   \@viperoutput
6812 \fi
6813 \endgroup
6814 \fi}%
6815
6816
6817 \def \@@addviper {%
6818   \if@firstcolumn
6819     \@@insertfalse
6820     \@@reqcolroom .5\@pageht
6821     \ht@viper\@@reqcolroom
6822     \advance \@@reqcolroom \ht\@viper
6823     \advance \@@reqcolroom \stripsep
6824     \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
6825   %%
6826   \@@tempdimb \ht@viper
6827   \loop
6828     \setbox\v@aaa\copy\@holdpg
6829     \setbox\v@ccc\vbox to\@tempdimb{%
6830       \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%

```



```

6831 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6832 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6833 \loop
6834 \setbox\v@aaa\copy\@holdpg
6835 \setbox\v@ccc\vbox to\@tempdimb{%
6836 \vsplit\v@aaa to\@tempdimb\vss}%
6837 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
6838 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6839 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6840 \setbox\v@ccc\vbox to\@tempdimb{%
6841 \vsplit\@holdpg to\@tempdimb\vss}%
6842 %%
6843 \setbox\@tempboxa \vbox {%
6844 \hb@xt@\textwidth {%
6845 \ifRTLmain%
6846 \hskip \columnwidth
6847 \hfil \vrule width\columnseprule \hfil
6848 \hb@xt@\columnwidth {%
6849 \vbox to\ht\viper{\box\v@ccc\vss} \hss}%
6850 \hskip -\textwidth
6851 \hb@xt@\columnwidth {%
6852 \vbox to\ht\viper{\box\@holdpg\vss} \hss}%
6853 \hskip \columnsep
6854 \hskip \columnwidth
6855 \else%
6856 \hb@xt@\columnwidth {%
6857 \vbox to\ht\viper{\box\v@ccc\vss} \hss}%
6858 \hfil
6859 \vrule \@width\columnseprule
6860 \hfil
6861 \hb@xt@\columnwidth {%
6862 \vbox to\ht\viper{\box\@holdpg\vss} \hss}%
6863 \fi}%
6864 }%
6865 \ifvoid\hold@viper
6866 \global\setbox\hold@viper \vbox {%
6867 \unvbox\@tempboxa
6868 \penalty\interlinepenalty
6869 \vskip\stripsep
6870 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6871 \outputpenalty \z@
6872 }%
6873 \else
6874 \global\setbox\hold@viper \vbox {%
6875 \unvbox\hold@viper
6876 \unvbox\@tempboxa
6877 \penalty\interlinepenalty
6878 \vskip\stripsep
6879 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6880 \outputpenalty \z@

```




```

6881             }%
6882 \fi
6883 \ifdim \@colroom>\@reqcolroom
6884     \global\setbox\hold@viper \vbox {%
6885         \unvbox\hold@viper
6886         \box\@viper
6887         \penalty\interlinepenalty
6888         \vskip\stripsep
6889         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6890         \outputpenalty \z@
6891     }%
6892     \@inserttrue
6893     \advance\@tempdima by-\ht\hold@viper
6894     \global \advance \@colht \@tempdima
6895     \ifdim \@colht<2.5\baselineskip
6896     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6897         too tall on page \thepage (1 stulpelis)}%
6898         \@emptycol
6899         \if@firstcolumn
6900         \else
6901             \@emptycol
6902         \fi
6903         \global\@lastvipertrue
6904     \else
6905         \global \vsize \@colht
6906         \global \@colroom \@colht
6907         \check@floats
6908         \ifdim\@tempdima>\z@
6909             \global\advance\@colroom by-\@tempdima
6910         \fi
6911         \ifdim\@colroom<\z@
6912             \global\@colroom 1pt
6913             \ifdim\@tempdima>\@colht
6914                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6915                     netelpa lape \thepage (1 stulpelis)}%
6916             \fi
6917             \@emptycol
6918             \if@firstcolumn
6919             \else
6920                 \@emptycol
6921             \fi
6922             \global\@lastvipertrue
6923         \fi
6924     \fi
6925 \fi
6926 \else
6927     \@insertfalse
6928     \@reqcolroom\@colht
6929     \advance\@reqcolroom \@pageht
6930     \ht@viper.5\@reqcolroom

```



```

6931 \@reqcolroom\ht@viper
6932 \advance \@reqcolroom \ht\@viper
6933 \advance \@reqcolroom \stripsep
6934 \if@flushend@auto@baselineskip
6935 \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
6936 \global\lastskip@d\lastskip
6937 \global\lastskip@b\lastskip
6938 \loop
6939 \global\lastskip@a\lastskip@b
6940 \unskip\unpenalty
6941 \global\lastskip@b\lastskip
6942 \global\advance\lastskip@d by\lastskip
6943 \ifdim\lastskip@b=-\lastskip@a
6944 \global\advance\lastskip@d by-\lastskip
6945 \else
6946 \repeat
6947 \ifdim\lastskip@b=-\lastskip@a
6948 \ifdim\lastskip@b=\z@
6949 \setbox\lastbox@a\lastbox
6950 \global\advance\lastskip@d by\ht\lastbox@a
6951 \global\advance\lastskip@d by\lastskip
6952 \unskip\unpenalty
6953 \setbox\lastbox@a\lastbox
6954 \global\advance\lastskip@d by\dp\lastbox@a
6955 \else
6956 \global\lastskip@d\lastskip
6957 \global\advance\lastskip@d by\topskip
6958 \fi
6959 \fi
6960 \global\advance\lastskip@d by-\topskip
6961 }%
6962 \ifdim\ht\@holdpg>\@colht
6963 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6964 \par\eject
6965 \vbox to \@colht{\unvbox\@holdpg\unskip}}%
6966 }%
6967 \else
6968 \global\setbox\@holdpg\vbox{%
6969 \unvbox\@leftcolumn\unskip\unpenalty
6970 \vskip\lastskip@d
6971 \the\At@ViperColsBreak
6972 \unvbox\@holdpg
6973 \unskip
6974 }%
6975 \fi
6976 \else
6977 \global\setbox\@holdpg\vbox{%
6978 \unvbox\@leftcolumn
6979 \setbox\@tempboxa\lastbox
6980 \on@stripcols@break

```



```

6981         \the\At@ViperColsBreak
6982         \unvbox\@holdpg
6983     }%
6984 \fi
6985 \global\At@ViperColsBreak{}%
6986 \ht@viper .5\ht\@holdpg
6987 \ifdim \ht@viper>\@colht
6988     \ht@viper \@colht
6989 \fi
6990 \ifvoid\hold@viper\@tempdima=\z@else\@tempdima\ht\hold@viper\fi
6991 %%
6992 \@tempdimb \ht@viper
6993 \loop
6994     \setbox\v@aaa\copy\@holdpg
6995     \setbox\v@ccc\vbox to\@tempdimb{%
6996         \vsplit\v@aaa to\@tempdimb
6997         \vss
6998         \vsplit\v@aaa to\@tempdimb
6999     }%
7000     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7001 \ifvoid\v@aaa
7002 \else
7003     \advance\@tempdimb 1\p@
7004 \repeat
7005 \loop
7006     \setbox\v@aaa\copy\@holdpg
7007     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7008     \wlog{(2)Left:\the\ht\v@ccc\space
7009         Right:\the\ht\v@aaa\space
7010         Output:\the\@tempdimb
7011     }%
7012 \ifdim\ht\v@ccc<\ht\v@aaa
7013     \@tempdimb \the\ht\v@aaa
7014 \repeat
7015 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7016     ^^JRight:\the\ht\v@aaa
7017     ^^JOutput:\the\@tempdimb
7018 }%
7019 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7020 \setbox\@tempboxa\vbox{%
7021     \hb@xt@\textwidth {%
7022         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7023         \hfil
7024         \vrule \columnwidth\columnseprule
7025         \hfil
7026         \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7027     }%
7028 }%
7029 \ifvoid\hold@viper
7030     \global\setbox\hold@viper \vbox {%

```



```

7031         \unvbox\@tempboxa
7032         \penalty\interlinepenalty
7033         \vskip\stripsep
7034         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7035         \outputpenalty \z@
7036         }%
7037     \else
7038         \global\setbox\hold@viper \vbox {%
7039             \unvbox\hold@viper
7040             \unvbox\@tempboxa
7041             \penalty\interlinepenalty
7042             \vskip\stripsep
7043             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7044             \outputpenalty \z@
7045             }%
7046     \fi
7047     \ifdim \@colht>\@reqcolroom
7048         \global\setbox\hold@viper \vbox {%
7049             \unvbox\hold@viper
7050             \box\@viper
7051             \penalty\interlinepenalty
7052             \vskip\stripsep
7053             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7054             \outputpenalty \z@
7055             }%
7056     \@inserttrue
7057     \global\@firstcolumntrue
7058     \advance\@tempdima by-\ht\hold@viper
7059     \global \advance \@colht \@tempdima
7060     \ifdim \@colht<2.5\baselineskip
7061     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7062                             too tall on page \thepage (2 stulpelis)}}%
7063         \@emptycol
7064         \if@firstcolumn
7065         \else
7066             \@emptycol
7067         \fi
7068         \global\@lastvipertrue
7069     \else
7070         \global \vsize \@colht
7071         \global \@colroom \@colht
7072         \check@floats
7073         \ifdim\@tempdima>\z@
7074             \global\advance\@colroom by-\@tempdima
7075         \fi
7076         \ifdim\@colroom<\z@
7077             \global\@colroom 1pt
7078             \ifdim\@tempdima>\@colht
7079                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7080                                         netelpla lape \thepage (2 stulpelis)}}%

```



```

7081             \fi
7082             \@emptycol
7083             \if@firstcolumn
7084             \else
7085                 \@emptycol
7086             \fi
7087             \global\@lastvipertrue
7088         \fi
7089     \fi
7090 \fi
7091 \fi
7092 \if@insert
7093 \else
7094     \advance\@tempdima by-\ht\hold@viper
7095     \global \advance \@colht \@tempdima
7096     \global\setbox\hold@viper \vbox {%
7097                                     \unvbox\hold@viper
7098                                     \csname viper@top@hook\endcsname
7099                                     \vsplit\@viper to \@colht
7100                                     \vss
7101                                     }%
7102     \vbox{}%
7103     \global\@firstcolumnfalse
7104     \newpage
7105 \fi
7106 }

```

7.46 cvthemebidicasual.sty

```

7107 \NeedsTeXFormat{LaTeX2e}
7108 \ProvidesPackage{cvthemebidicasual}
7109 \DeclareOption{blue}{}
7110 \newif\if@colourorange\@colourorangefalse
7111 \DeclareOption{orange}{\@colourorangetrue}
7112 \newif\if@colourgreen\@colourgreenfalse
7113 \DeclareOption{green}{\@colourgreentrue}
7114 \newif\if@colourred\@colourredfalse
7115 \DeclareOption{red}{\@colourredtrue}
7116 \newif\if@colourgrey\@colourgreyfalse
7117 \DeclareOption{grey}{\@colourgreytrue}
7118 \DeclareOption*{
7119     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7120 \ExecuteOptions{colour}
7121 \ProcessOptions\relax
7122 \renewcommand*{\listitemsymbol}{\textbullet}
7123 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7124 \familynamecolour{808080}
7125 \firstnamecolour{A9A9A9}
7126 \quotecolour{696969}
7127 \addresscolour{696969}

```



```

7128 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7129 \sectiontitlecolour{1E90FF}
7130 \subsectioncolour{4682B4}
7131 \definecolor{rulecolour}{gray}{0.6}
7132 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7133 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7134 \if@colourorange
7135 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7136 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7137 \sectiontitlecolour{FF8C00}
7138 \subsectioncolour{FF8C00}
7139 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7140 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7141 \if@colourgreen
7142 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7143 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7144 \sectiontitlecolour{008000}
7145 \subsectioncolour{008000}
7146 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7147 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7148 \if@colourred
7149 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7150 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7151 \sectiontitlecolour{FF0000}
7152 \subsectioncolour{FF0000}
7153 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7154 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7155 \if@colourgrey
7156 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7157 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7158 \sectiontitlecolour{808080}
7159 \subsectioncolour{808080}
7160 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7161 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7162 \renewcommand*{\ttdefault}{pcr}
7163 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7164 \renewcommand*{\familynamefont}{\firstnamefont}
7165 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7166 \renewcommand*{\quote font}{\large\slshape}
7167 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7168 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7169 \renewcommand*{\maketitle}{%
7170   {%
7171     \ifthenelse{\isundefined{\@photo}}{%
7172       {%
7173         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}}%
7174         \hfill%
7175         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7176         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7177         \ifthenelse{\isundefined{\@quote}}{%

```



```

7178 {}%
7179 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}[2.
7180 }%
7181 \newif\if@firstfooterelement\@firstfooterelementtrue
7182 \providecommand*\footersymbol{}
7183 \renewcommand*\footersymbol{%
7184   \if@firstfooterelement%
7185   \else%
7186     {~~\color{footersymbolcolor}\textbullet~~}\fi}
7187 \providecommand*\makefooter{}
7188 \renewcommand*\makefooter{%
7189   \fancypagestyle{plain}{%
7190     \fancyfoot[c]{%
7191       \parbox{0.8\textwidth}{%
7192         \centering%
7193         \addressfont\@addresscolour%
7194         \ifthenelse{\isundefined{\@address}}{}{%
7195           \addresssymbol~\@address\\%
7196           \@firstfooterelementfalse}%
7197         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7198         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelemen
7199         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse
7200         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@first
7201         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfals
7202       }%
7203     \pagestyle{plain}}
7204 \AtBeginDocument{\makefooter}

```

7.47 cvthemebidiclassic.sty

```

7205 \NeedsTeXFormat{LaTeX2e}
7206 \ProvidesPackage{cvthemebidiclassic}
7207 \DeclareOption{blue}{}
7208 \newif\if@colourorange\@colourorangefalse
7209 \DeclareOption{orange}{\@colourorangetrue}
7210 \newif\if@colourgreen\@colourgreentfalse
7211 \DeclareOption{green}{\@colourgreenttrue}
7212 \newif\if@colourred\@colourreddfalse
7213 \DeclareOption{red}{\@colourreddtrue}
7214 \newif\if@colourgrey\@colourgreyfalse
7215 \DeclareOption{grey}{\@colourgreytrue}
7216 \DeclareOption*{
7217   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7218 \ExecuteOptions{colour}
7219 \ProcessOptions\relax
7220 \renewcommand*\listitemsymbol{\textbullet}
7221 \firstnamecolour{}
7222 \familynamecolour{}
7223 \titlecolour{808080}
7224 \quotecolour{696969}

```



```

7225 \addresscolour{696969}
7226 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7227 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7228 \sectiontitlecolour{1E90FF}
7229 \subsectioncolour{4682B4}
7230 \if@colouorange
7231 \addresscolour{FF8C00}
7232 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7233 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7234 \sectiontitlecolour{FF8C00}
7235 \subsectioncolour{FF8C00}\fi
7236 \if@colourgreen
7237 \addresscolour{008000}
7238 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7239 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7240 \sectiontitlecolour{008000}
7241 \subsectioncolour{008000}\fi
7242 \if@colourred
7243 \addresscolour{FF0000}
7244 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7245 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7246 \sectiontitlecolour{FF0000}
7247 \subsectioncolour{FF0000}\fi
7248 \if@colourgrey
7249 \addresscolour{808080}
7250 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7251 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7252 \sectiontitlecolour{808080}
7253 \subsectioncolour{808080}\fi
7254 \renewcommand*{\ttdefault}{pcr}
7255 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7256 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7257 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7258 \renewcommand*{\familynamefont}{\firstnamefont}
7259 \renewcommand*{\quoteont}{\large\slshape}
7260 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7261 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7262 \newlength{\maketitlenamemaxwidth}
7263 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7264 \newlength{\maketitlenamewidth}
7265 \settowidth{\maketitlenamewidth}{\familynamefont{\@familyname}}
7266 \newlength{\maketitlepicturewidth}
7267 \setlength{\maketitlepicturewidth}{\@photowidth}
7268 \newlength{\maketitledetailwidth}
7269 \setlength{\maketitledetailwidth}{\textwidth}
7270 \renewcommand*{\recomputethemelengths}{%
7271 \setlength{\maketitledetailwidth}{\textwidth}%
7272 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
7273 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%

```




```

7275 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
7276 \recomputethemelengths
7277 \newif\if@firstdetailselement\@firstdetailselementtrue
7278 \newcommand*{\maketitledetailsnewline}{
7279   \if@firstdetailselement%
7280     \@firstdetailselementfalse%
7281   \else%
7282     \[.2em]\fi}
7283 \renewcommand*{\maketitle}{%
7284   % name and title
7285   \begin{minipage}[b]{\maketitlenamewidth}%
7286     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7287     \ifthenelse{equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
7288   \end{minipage}%
7289   % optional data
7290   \begin{minipage}[b]{\maketitledetailwidth}%
7291     \bidi@raggedleft\addressfont\@addresscolour%
7292     \ifthenelse{\isundefined{\@address}}{\[%
7293       \maketitledetailsnewline%
7294       \addresssymbol~\@address}%
7295     \ifthenelse{\isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7296     \ifthenelse{\isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
7297     \ifthenelse{\isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
7298     \ifthenelse{\isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emailink{\@email}}%
7299     \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
7300   \end{minipage}%
7301   % optional photo
7302   \ifthenelse{\isundefined{\@photo}}{\%
7303     }%
7304     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitledetailwidth]{\@photo}}}%
7305   % optional quote
7306   \ifthenelse{\isundefined{\@quote}}{\%
7307     }%
7308     {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]
7309   }

```

7.48 dblfnote-xetex-bidi.def

```

7310 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for xetex]
7311 \let\autofooterule\relax
7312 \let\rightfootnoterule\relax
7313 \let\leftfootnoterule\relax
7314 \let\textwidthfootnoterule\relax
7315 \let\LRfootnoterule\relax
7316 \def\footnoterule{\kern-3\p@
7317   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7318 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
7319 \let\@footnotetext\dfn@footnotetext
7320 \long\def\dfn@LRfootnotetext#1{\setbox\dfn@boxa\vbox{
7321   \let\insert\dfn@gobble

```



```

7322 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7323 \def\@makefnmark{\smash{\dfn@makefnmark}}
7324 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7325 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7326 \ifdim\dfn@dima>z@\else
7327 \dfn@dima1sp\relax
7328 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7329 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7330 \ifvoid\dfn@ins\else
7331 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7332 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7333 \setbox\dfn@boxa\copy\dfn@ins
7334 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7335 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7336 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7337 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7338 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7339 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7340 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7341 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7342 \let\insert\dfn@gobble
7343 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7344 \def\@makefnmark{\smash{\dfn@makefnmark}}
7345 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7346 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7347 \ifdim\dfn@dima>z@\else
7348 \dfn@dima1sp\relax
7349 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7350 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7351 \ifvoid\dfn@ins\else
7352 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7353 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7354 \setbox\dfn@boxa\copy\dfn@ins
7355 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7356 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7357 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7358 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7359 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7360 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7361 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7362 \def\dfn@RTLmakecol{{\ifvoid\footins\else
7363 \dfn@dima\ht\footins
7364 \@tempcnta\z@ \dfn@countins
7365 \@tempdima\z@ \let\@elt\dfn@elt@getht
7366 \dfn@list\@nil
7367 \ifdim\@tempdima=z@\else
7368 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7369 \global\setbox\dfn@ins\box\dfn@ins
7370 \@tempwattrue
7371 \ifdfn@trysingle

```



```

7372         \setbox\dfn@boxb\ vbox{\unvcopy\@cclv}\@tempdima\@colroom
7373         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7374         \advance\@tempdima-\skip\footins
7375         \advance\@tempdima-\ht\dfn@boxa
7376         \ifdim\@tempdima<z@\else \@tempswafalse
7377         \global\setbox\footins\ vbox{\boxmaxdepth\dfn@fnmaxdp
7378         \footnoterule \unvbox\dfn@boxa}\fi\fi
7379     \if@tempswa
7380     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7381     \global\setbox\footins\ vbox{\hbox{%
7382         \hskip \DFNcolumnwidth
7383         \hskip\DFNcolumnsep
7384         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7385         \unvbox\dfn@boxb\vss}\hss}
7386         \hskip -\textwidth
7387         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7388         \vbox to\@tempdima{
7389             \setbox\@tempboxa\ vbox{\footnoterule}
7390             \ifdfn@ruleboth \unvbox\@tempboxa
7391             \else \@tempdima\ht\@tempboxa
7392             \advance\@tempdima\dp\@tempboxa
7393             \vskip\@tempdima
7394             \prevdepth\dp\@tempboxa \fi
7395             \unvbox\dfn@boxa\vss}\fi\hss}
7396             \hskip \DFNcolumnsep
7397             \hskip \DFNcolumnwidth}}\fi\fi
7398     \global\dfn@fnht\z@
7399     \ifx\dfn@list\@empty\else
7400         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7401         \dfn@list \global\advance\dfn@fnht\dfn@dimb
7402         \let\@elt\relax
7403         \ifdim\dfn@dimb>\z@
7404             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7405             \insert\footins{\floatingpenalty\@MM
7406             \vbox to\dfn@dimb{}}\fi
7407         \ifdim\dfn@fnht>\@tempdima
7408             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7409             \global\dfn@fnht\@tempdima
7410             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7411             \xdef\dfn@afteroutput{\insert\footins{
7412                 \floatingpenalty\@MM
7413                 \vbox to\number\@tempdimb sp{}}}%
7414             \global\let\noexpand\dfn@afteroutput\relax}%
7415         \fi\fi
7416     \fi}%
7417     \let\footnoterule\relax \dfn@latex@makecol
7418     \let\footnoterule\dfn@footnoterule}
7419 \def\dfn@LTRmakecol{\ifvoid\footins\else
7420     \dfn@dima\ht\footins
7421     \@tempcnta\z@ \dfn@countins

```



```

7422 \tempdima\z@ \let\@elt\dfn@elt@getht
7423 \dfn@list\@nil
7424 \ifdim\tempdima=\z@else
7425 \dfn@split\tempdima\dfn@ins\dfn@boxa\z@\z@
7426 \global\setbox\dfn@ins\box\dfn@ins
7427 \@tempswatruue
7428 \ifdfn@trysingle
7429 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\tempdima\@colroom
7430 \advance\tempdima-\ht\dfn@boxb \advance\tempdima-\dp\dfn@boxb
7431 \advance\tempdima-\skip\footins
7432 \advance\tempdima-\ht\dfn@boxa
7433 \ifdim\tempdima<\z@else \@tempswafalse
7434 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7435 \footnoterule \unvbox\dfn@boxa}\fi\fi
7436 \if@tempswa
7437 \dfn@split{\dfn@dim}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7438 \global\setbox\footins\vbox{\hbox{%
7439 \hbox to\DFNcolumnwidth{\vbox to\tempdima{\footnoterule
7440 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7441 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7442 \vbox to\tempdima{
7443 \setbox\tempboxa\vbox{\footnoterule}
7444 \ifdfn@ruleboth \unvbox\tempboxa
7445 \else \tempdima\ht\tempboxa
7446 \advance\tempdima\dp\tempboxa
7447 \vskip\tempdima
7448 \prevdepth\dp\tempboxa \fi
7449 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7450 \global\dfn@fnht\z@
7451 \ifx\dfn@list\@empty\else
7452 \let\@elt\dfn@elt@adjust \dfn@dim\z@ \dfn@dimb\z@
7453 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7454 \let\@elt\relax
7455 \ifdim\dfn@dimb>\z@
7456 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7457 \insert\footins{\floatingpenalty\@MM
7458 \vbox to\dfn@dimb{}}\fi
7459 \ifdim\dfn@fnht>\tempdima
7460 \tempdimb\tempdima \advance\tempdimb-\dfn@fnht
7461 \global\dfn@fnht\tempdima
7462 \xdef\dfn@list{\dfn@list\@elt{0}{\number\tempdimb}}%
7463 \xdef\dfn@afteroutput{\insert\footins{
7464 \floatingpenalty\@MM
7465 \vbox to\number\tempdimb sp{}}%
7466 \global\let\noexpand\dfn@afteroutput\relax}%
7467 \fi\fi
7468 \fi}%
7469 \let\footnoterule\relax \dfn@latex@makecol
7470 \let\footnoterule\dfn@footnoterule}
7471 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}

```



```

7472 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7473 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7474 \DFNalwaysdouble

```

7.49 draftwatermark-xetex-bidi.def

```

7475 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar
7476 \renewcommand\SetWatermarkText[1]{%
7477   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.50 eso-pic-xetex-bidi.def

```

7478 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for X
7479 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7480   \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
7481
7482 \ESO@isMEMOIR{%
7483   \renewcommand\AtTextUpperLeft[1]{%
7484     \begingroup
7485       \ifodd\c@page
7486         \@tempdima=\spinemargin
7487       \else
7488         \@tempdima=\paperwidth
7489         \advance\@tempdima-\textwidth
7490         \advance\@tempdima-\spinemargin
7491       \fi
7492       \@tempdimb=-\uppermargin
7493       \AtPageUpperLeft{%
7494         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7495       }%
7496     \endgroup
7497   }
7498 }{%
7499   \renewcommand\AtTextUpperLeft[1]{%
7500     \begingroup
7501       \@tempdima=1in\relax
7502       \ifodd\c@page
7503         \advance\@tempdima\oddsidemargin
7504       \else
7505         \advance\@tempdima\evensidemargin
7506       \fi
7507       \@tempdimb=-1in\relax
7508       \advance\@tempdimb-\topmargin
7509       \advance\@tempdimb-\headheight
7510       \advance\@tempdimb-\headsep
7511       \AtPageUpperLeft{%
7512         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7513       }%
7514     \endgroup
7515   }
7516 }

```



7.51 empheq-xetex-bidi.def

```

7517 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7518 \MHInternalSyntaxOn
7519 \def\EQ_tag_plus_endmark:{%
7520   \iftagsleft@
7521     \gdef\maketag@@@##1{%
7522       \hfuzz\displaywidth
7523       \if@RTL\makebox[\widthof{##1}][r]{%
7524         \hbox to \displaywidth{\m@th\normalfont##1\hss
7525           \raisebox{-\dp\EQ_mathdisplay_box
7526             -\depthof{\EQ_outerbox:}}{
7527               {\PotEndMark{\hss}}}}
7528       \else\makebox[\widthof{##1}][l]{%
7529         \hbox to \displaywidth{\m@th\normalfont##1\hss
7530           \raisebox{-\dp\EQ_mathdisplay_box
7531             -\depthof{\EQ_outerbox:}}{
7532               {\PotEndMark{\hss}}}}}\fi}%
7533 \else:
7534   \gdef\maketag@@@##1{%
7535     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
7536       \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
7537       \MH_addtolength:dn \@tempdima
7538         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7539       \setlength{\@tempdimb}
7540         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7541         +\depthof{\EQ_innerbox:}}}
7542     \if_dim:w \@tempdima>\@tempdimb
7543       \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7544         -\@tempdima+\g_EQ_bottomrow_depth_dim}
7545       \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
7546       \def\EQ_next:{\raisebox{\@tempdima}}%
7547     \else:
7548       \def\EQ_next:{
7549         \raisebox{-\dp\EQ_mathdisplay_box
7550           -\depthof{\EQ_outerbox:}}}%
7551       \fi:\EQ_next:}}}%
7552 \fi:}
7553 \def\EQ_post_process:{%
7554   \EQ_initialize:
7555   \EQ_begin_equation:
7556   \MH_if_boolean:nT {outer_mult}{
7557     \setkeys{\MT_options_name}{
7558       firstline-afterskip=Opt,
7559       lastline-preskip=Opt,
7560       multlined-width=Opt,
7561     }
7562   \ifodd \l_EQ_alignmentmode_int
7563     \setkeys{\MT_options_name}{multlined-pos=b}
7564   \else:

```



```

7565     \setkeys{MT_options_name:}{multlined-pos=t}
7566     \fi:
7567     \g@addto@macro\EQ_complete_mathdisplay:{
7568       \begin{MTmultlined}\relax}
7569   }
7570   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7571   \MH_if_boolean:nT {outer_mult}{
7572     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7573   }
7574   \EQ_end_equation:
7575   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7576   \savecounters@
7577   \EQ_typeset_tags:
7578   \edef\l_EQ_equation_fint{\number\c@equation}
7579   \restorecounters@
7580   \Hy@linkcounter=\EQ_hyperref_link_fint
7581   \settowidth\l_EQ_totalwidth_dim{%
7582     $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
7583   \MH_if_boolean:nTF {outer_mult}
7584     { \def\EQ_next:{_mult} }
7585     { \def\EQ_next:{} }
7586   \@nameuse{EQ_modify_linewidth_
7587     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7588   \EQ_typeset_display:
7589   \@nameuse{find_displaywidth_
7590     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7591   \MH_addtolength:dn
7592   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7593   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7594     $\EQ_left_side:
7595     \EQ_innerbox:{%
7596       \if_case:w \l_EQ_alignmentmode_int\or:
7597         \makebox[\l_EQ_displaywidth_dim][c]
7598         {\usebox{\EQ_mathdisplay_box}}}%
7599       \or:
7600         \makebox[\l_EQ_displaywidth_dim][c]
7601         {\usebox{\EQ_mathdisplay_box}}}%
7602       \or:
7603         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7604           \if_num:w \l_EQ_equationtype_int=5 \else:
7605             \if_num:w \l_EQ_equationtype_int=6 \else:
7606               \kern-\@mathmargin
7607             \fi:
7608             \fi:
7609             \usebox{\EQ_mathdisplay_box}}}%
7610         \else\makebox[\l_EQ_displaywidth_dim][l]{%
7611           \if_num:w \l_EQ_equationtype_int=5 \else:
7612             \if_num:w \l_EQ_equationtype_int=6 \else:
7613               \kern-\@mathmargin
7614             \fi:

```



```

7615         \fi:
7616         \usebox{\EQ_mathdisplay_box}}\fi%
7617     \or:
7618         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7619             \if_num:w \l_EQ_equationtype_int=5 \else:
7620                 \if_num:w \l_EQ_equationtype_int=6 \else:
7621                     \kern-\@mathmargin
7622                 \fi:
7623             \fi:
7624             \usebox{\EQ_mathdisplay_box}}
7625         \else\makebox[\l_EQ_displaywidth_dim][l]{%
7626             \if_num:w \l_EQ_equationtype_int=5 \else:
7627                 \if_num:w \l_EQ_equationtype_int=6 \else:
7628                     \kern-\@mathmargin
7629                 \fi:
7630             \fi:
7631             \usebox{\EQ_mathdisplay_box}}\fi%
7632     \fi:}%
7633     \EQ_right_side:$}%
7634 \begin{AmSequation*}
7635 \@nameuse{EQ_place_display_
7636     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7637 \if_dim:w \g_EQ_widesttag_dim>\z@
7638 \MH_set_boolean_T:n {show_manual_tags}
7639 \if_case:w \l_EQ_alignmentmode_int
7640 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7641 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7642 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7643 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7644 \fi:
7645 \fi:
7646 \end{AmSequation*}
7647 \global\c@equation=\l_EQ_equation_fint\relax
7648 }
7649 \AtBeginDocument{%
7650 \@ifpackageloaded{fancybox}{%
7651     \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7652     {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
7653 \renewcommand*{\shadowbox{%
7654     \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
7655         \VerbBox\EQ_shadowbox:n}
7656         {\MH_set_boolean_F:n {shadowbox_star}
7657         \VerbBox\EQ_shadowbox:n}}}
7658 \def\EQ_shadowbox:n #1{%
7659     \sbox{\z@}{\fbox{#1}}%
7660     \MH_if_boolean:nTF {shadowbox_star}{
7661         \MH_setlength:dn \@tempdima{\z@}%
7662     }{
7663         \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
7664     }

```




```

7665 \raisebox{\@tempdima}{%
7666 \ifRTL\makebox[\z@][r]{%
7667 \kern\shadowsize \textcolor{shadowcolor}{%
7668 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7669 }%
7670 \else\makebox[\z@][l]{%
7671 \kern\shadowsize \textcolor{shadowcolor}{%
7672 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7673 }\fi%
7674 \usebox\z@\textcolor{shadowcolor}{%
7675 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
7676 }{}%
7677 }
7678 \MHInternalSyntaxOff

```

7.52 extarticle-xetex-bidi.def

```

7679 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class]
7680 \renewcommand*\l@section[2]{%
7681 \ifnum \c@tocdepth >\z@
7682 \addpenalty\@secpenalty
7683 \addvspace{1.0em \@plus\p@}%
7684 \setlength\@tempdima{1.5em}%
7685 \begingroup
7686 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
7687 \parfillskip -\@pnumwidth
7688 \leavevmode \bfseries
7689 \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima
7690 \hskip -\ifRTL\rightskip\else\leftskip\fi
7691 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7692 \endgroup
7693 \fi}
7694 \renewcommand*\l@part[2]{%
7695 \ifnum \c@tocdepth >-2\relax
7696 \addpenalty\@secpenalty
7697 \addvspace{2.25em \@plus\p@}%
7698 \begingroup
7699 \setlength\@tempdima{3em}%
7700 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
7701 \parfillskip -\@pnumwidth
7702 {\leavevmode
7703 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7704 \nobreak
7705 \endgroup
7706 \fi}
7707 \def\@part[#1]#2{%
7708 \ifnum \c@secnumdepth >\m@ne
7709 \refstepcounter{part}%
7710 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7711 \else

```



```

7712     \addcontentsline{toc}{part}{#1}%
7713     \fi
7714     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7715     \interlinepenalty \@M
7716     \normalfont
7717     \ifnum \c@secnumdepth >\m@ne
7718     \Large\bfseries \partname~\thepart
7719     \par\nobreak
7720     \fi
7721     \huge \bfseries #2%
7722     \markboth{}{}\par}%
7723     \nobreak
7724     \vskip 3ex
7725     \@afterheading}
7726 \def\@spart#1{%
7727     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7728     \interlinepenalty \@M
7729     \normalfont
7730     \huge \bfseries #1\par}%
7731     \nobreak
7732     \vskip 3ex
7733     \@afterheading}
7734 \renewenvironment{thebibliography}[1]
7735     {\section*{\refname
7736     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7737     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7738     \list{\@biblabel{\@arabic\c@enumiv}}%
7739     {\settowidth\labelwidth{\@biblabel{#1}}%
7740     \leftmargin\labelwidth
7741     \advance\leftmargin\labelsep
7742     \openbib@code
7743     \usecounter{enumiv}%
7744     \let\p@enumiv\@empty
7745     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7746     \sloppy\clubpenalty4000\widowpenalty4000%
7747     \sfcode`.\@m}
7748     {\def\@noitemerr
7749     {\@latex@warning{Empty `thebibliography' environment}}%
7750     \endlist}
7751 \renewcommand\left@footnoterule{%
7752     \kern-3\p@
7753     \hrule\@width.4\columnwidth
7754     \kern2.6\p@}
7755 \renewcommand\right@footnoterule{%
7756     \kern-3\p@
7757     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7758     \kern2.6\p@}
7759     \if@titlepage
7760     \renewcommand\maketitle{\begin{titlepage}%
7761     \let\footnotesize\small

```



```

7762 \let\right@footnoterule\relax
7763 \let\left@footnoterule\relax
7764 \let\textwidth@footnoterule\relax
7765 \let \footnote \thanks
7766 \null\vfil
7767 \vskip 60\p@
7768 \begin{center}%
7769   {\LARGE \@title \par}%
7770   \vskip 3em%
7771   {\large
7772     \lineskip .75em%
7773     \begin{tabular}[t]{c}%
7774       \@author
7775       \end{tabular}\par}%
7776     \vskip 1.5em%
7777     {\large \@date \par}%           % Set date in \large size.
7778 \end{center}\par
7779 \@thanks
7780 \vfil\null
7781 \end{titlepage}%
7782 \setcounter{footnote}{0}%
7783 \global\let\thanks\relax
7784 \global\let\maketitle\relax
7785 \global\let\@thanks\@empty
7786 \global\let\@author\@empty
7787 \global\let\@date\@empty
7788 \global\let\@title\@empty
7789 \global\let\title\relax
7790 \global\let\author\relax
7791 \global\let\date\relax
7792 \global\let\and\relax
7793 }
7794 \else
7795 \renewcommand\maketitle{\par
7796   \begingroup
7797     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7798     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7799     \long\def\@makefntext##1{\parindent 1em\noindent
7800       \hb@xt@1.8em{%
7801         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7802     \if@twocolumn
7803       \ifnum \col@number=\@ne
7804         \@maketitle
7805       \else
7806         \twocolumn[\@maketitle]%
7807       \fi
7808     \else
7809       \newpage
7810       \global\@topnum\z@    % Prevents figures from going at top of page.
7811       \@maketitle

```



```

7812 \fi
7813 \thispagestyle{plain}\@thanks
7814 \endgroup
7815 \setcounter{footnote}{0}%
7816 \global\let\thanks\relax
7817 \global\let\maketitle\relax
7818 \global\let\@maketitle\relax
7819 \global\let\@thanks\@empty
7820 \global\let\@author\@empty
7821 \global\let\@date\@empty
7822 \global\let\@title\@empty
7823 \global\let\title\relax
7824 \global\let\author\relax
7825 \global\let\date\relax
7826 \global\let\and\relax
7827 }
7828 \def\@maketitle{%
7829 \newpage
7830 \null
7831 \vskip 2em%
7832 \begin{center}%
7833 \let \footnote \thanks
7834 {\LARGE \@title \par}%
7835 \vskip 1.5em%
7836 {\large
7837 \lineskip .5em%
7838 \begin{tabular}[t]{c}%
7839 \@author
7840 \end{tabular}\par}%
7841 \vskip 1em%
7842 {\large \@date}%
7843 \end{center}%
7844 \par
7845 \vskip 1.5em}
7846 \fi
7847 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7848 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7849 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7850 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.53 extbook-xetex-bidi.def

```

7851 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7852 \if@titlepage
7853 \renewcommand\maketitle{\begin{titlepage}%
7854 \let\footnotesize\small
7855 \let\right@footnoterule\relax
7856 \let\left@footnoterule\relax
7857 \let\textwidth\footnoterule\relax
7858 \let \footnote \thanks

```



```

7859 \let \LTRfootnote \LTRthanks
7860 \let \RTLfootnote \RTLthanks
7861 \null\vfil
7862 \vskip 60\p@
7863 \begin{center}%
7864   {\LARGE \@title \par}%
7865   \vskip 3em%
7866   {\large
7867     \lineskip .75em%
7868     \begin{tabular}[t]{c}%
7869       \@author
7870     \end{tabular}\par}%
7871     \vskip 1.5em%
7872     {\large \@date \par}%           % Set date in \large size.
7873 \end{center}\par
7874 \@thanks
7875 \vfil\null
7876 \end{titlepage}%
7877 \setcounter{footnote}{0}%
7878 \global\let\thanks\relax
7879 \global\let\LTRthanks\relax
7880 \global\let\RTLthanks\relax
7881 \global\let\maketitle\relax
7882 \global\let\@thanks\@empty
7883 \global\let\@author\@empty
7884 \global\let\@date\@empty
7885 \global\let\@title\@empty
7886 \global\let\title\relax
7887 \global\let\author\relax
7888 \global\let\date\relax
7889 \global\let\and\relax
7890 }
7891 \else
7892 \renewcommand\maketitle{\par
7893   \begingroup
7894     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7895     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7896     \long\def\@makefntext##1{\parindent 1em\noindent
7897       \hb@xt@1.8em{%
7898         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7899     \if@twocolumn
7900       \ifnum \col@number=\@ne
7901         \@maketitle
7902       \else
7903         \twocolumn[\@maketitle]%
7904       \fi
7905     \else
7906       \newpage
7907       \global\@topnum\z@   % Prevents figures from going at top of page.
7908       \@maketitle

```



```

7909 \fi
7910 \thispagestyle{plain}\@thanks
7911 \endgroup
7912 \setcounter{footnote}{0}%
7913 \global\let\thanks\relax
7914 \global\let\LTRthanks\relax
7915 \global\let\RTLthanks\relax
7916 \global\let\maketitle\relax
7917 \global\let\@maketitle\relax
7918 \global\let\@thanks\@empty
7919 \global\let\@author\@empty
7920 \global\let\@date\@empty
7921 \global\let\@title\@empty
7922 \global\let\title\relax
7923 \global\let\author\relax
7924 \global\let\date\relax
7925 \global\let\and\relax
7926 }
7927 \def\@maketitle{%
7928 \newpage
7929 \null
7930 \vskip 2em%
7931 \begin{center}%
7932 \let \footnote \thanks
7933 \let \LTRfootnote \LTRthanks
7934 \let \RTLfootnote \RTLthanks
7935 {\LARGE \@title \par}%
7936 \vskip 1.5em%
7937 {\large
7938 \lineskip .5em%
7939 \begin{tabular}[t]{c}%
7940 \@author
7941 \end{tabular}\par}%
7942 \vskip 1em%
7943 {\large \@date}%
7944 \end{center}%
7945 \par
7946 \vskip 1.5em}
7947 \fi
7948 \renewcommand*\l@part[2]{%
7949 \ifnum \c@tocdepth >-2\relax
7950 \addpenalty{-\@highpenalty}%
7951 \addvspace{2.25em \@plus\p@}%
7952 \begingroup
7953 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
7954 \parfillskip -\@pnumwidth
7955 {\leavevmode
7956 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7957 \nobreak
7958 \global\@nobreaktrue

```



```

7959     \everypar{\global\@nobreakfalse\everypar{}}%
7960     \endgroup
7961     \fi}
7962 \renewcommand\theequation
7963   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7964 \renewcommand \thefigure
7965   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7966 \renewcommand \thetable
7967   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7968 \renewcommand \thechapter {\@arabic\c@chapter}
7969 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7970 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7971 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
7972 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
7973 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
7974 \def\@makechapterhead#1{%
7975   \vspace*{50\p@}%
7976   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7977     \ifnum \c@secnumdepth >\m@ne
7978       \if@mainmatter
7979         \huge\bfseries \@chapapp\space \thechapter
7980         \par\nobreak
7981         \vskip 20\p@
7982       \fi
7983     \fi
7984     \interlinepenalty\@M
7985     \Huge \bfseries #1\par\nobreak
7986     \vskip 40\p@
7987   }}
7988
7989 \def\@makeschapterhead#1{%
7990   \vspace*{50\p@}%
7991   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7992     \normalfont
7993     \interlinepenalty\@M
7994     \Huge \bfseries #1\par\nobreak
7995     \vskip 40\p@
7996   }}
7997 \renewcommand\backmatter{%
7998   \if@openright
7999     \cleardoublepage
8000   \else
8001     \clearpage
8002   \fi
8003   \@mainmatterfalse}
8004 \renewenvironment{thebibliography}[1]
8005   {\chapter*{\bibname
8006     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8007   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8008     \list{\@biblabel{\@arabic\c@enumiv}}%

```



```

8009         {\settowidth\labelwidth{\@biblabel{#1}}%
8010         \leftmargin\labelwidth
8011         \advance\leftmargin\labelsep
8012         \@openbib@code
8013         \usecounter{enumiv}%
8014         \let\p@enumiv\@empty
8015         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8016     \sloppy
8017     \clubpenalty4000
8018     \@clubpenalty \clubpenalty
8019     \widowpenalty4000%
8020     \sfcode`.\@m}
8021 {\def\@noitemerr
8022  {\@latex@warning{Empty `thebibliography' environment}}}%
8023 \endlist}

```

7.54 extletter-xetex-bidi.def

```

8024 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
8025 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8026   \thispagestyle{firstpage}%
8027   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8028 \else % home address
8029   \thispagestyle{empty}%
8030   {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8031     \fromaddress \*[2\parskip]%
8032     \@date \end{tabular}\par}%
8033 \fi
8034 \vspace{2\parskip}%
8035 {\if@RTL\raggedleft\else\raggedright\fi \toname \[ \toaddress \par}%
8036 \vspace{2\parskip}%
8037 #1\par\nobreak}
8038 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8039 \stopbreaks
8040 \noindent
8041 \ifx\@empty\fromaddress\else
8042 \hspace*{\longindentation}\fi
8043 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8044   \ignorespaces #1\[[6\medskipamount]%
8045   \ifx\@empty\fromsig
8046     \fromname
8047   \else \fromsig \fi\strut}%
8048 \par}
8049 \renewcommand\left@footnoterule{%
8050 \kern-\p@
8051 \hrule \@width .4\columnwidth
8052 \kern .6\p@}
8053 \renewcommand\right@footnoterule{%
8054 \kern-\p@
8055 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }

```



8056 \kern .6\p@}

7.55 extrafootnotefeatures-xetex-bidi.def

```

8057 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2016/05/10 v1 bidi extra footnote features
8058 \let\autofootnoterule\relax
8059 \let\rightfootnoterule\relax
8060 \let\leftfootnoterule\relax
8061 \let\textwidthfootnoterule\relax
8062 \let\LRfootnoterule\relax
8063 \def\footnoterule{\kern-3\p@
8064 \hrule \width \columnwidth \kern 2.6\p@}
8065 \bidiensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8066 \bidiensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8067 \renewcommand{\@footnotetext}[1]{%
8068 \insert\footins{%
8069 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8070 \def\baselinestretch{\m@m@footnote@spacing}%
8071 \reset@font
8072 \foottextfont
8073 \@preamfntext
8074 \hsize\columnwidth
8075 \protected@edef\@currentlabel{%
8076 \csname p@footnote\endcsname\@thefnmark}%
8077 \color@begingroup
8078 \@makefntext{%
8079 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8080 \@finalstrut\strutbox}%
8081 \color@endgroup}%
8082 \m@mmf@prepare}
8083 \renewcommand{\@RTLfootnotetext}[1]{%
8084 \insert\footins{%
8085 \@RTLtrue%
8086 \def\baselinestretch{\m@m@footnote@spacing}%
8087 \reset@font
8088 \RTLfoottextfont
8089 \@preamfntext
8090 \hsize\columnwidth
8091 \protected@edef\@currentlabel{%
8092 \csname p@footnote\endcsname\@thefnmark}%
8093 \color@begingroup
8094 \@makefntext{%
8095 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8096 \@finalstrut\strutbox}%
8097 \color@endgroup}%
8098 \m@mmf@prepare}
8099 \renewcommand{\@LTRfootnotetext}[1]{%
8100 \insert\footins{%
8101 \@RTLfalse%
8102 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8103 \reset@font
8104 \LTRfoottextfont
8105 \@preamfntext
8106 \hsize\columnwidth
8107 \protected@edef\@currentlabel{%
8108     \csname p@footnote\endcsname\@thefnmark}%
8109 \color@begingroup
8110     \@makefntext{%
8111         \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8112         \@finalstrut\strutbox}%
8113 \color@endgroup}%
8114 \m@mmf@prepare}
8115 \renewcommand{\@mpfootnotetext}[1]{%
8116 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8117     \unvbox\@mpfootins
8118     \def\baselinestretch{\m@m@footnote@spacing}%
8119     \foottextfont \hsize\columnwidth \@parboxrestore
8120     \protected@edef\@currentlabel{%
8121         \csname p@mpfootnote\endcsname\@thefnmark}%
8122     \color@begingroup
8123     \reset@font%
8124     \@makefntext{%
8125         \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8126         \@finalstrut\strutbox}%
8127     \color@endgroup}}
8128 \renewcommand{\@mpLTRfootnotetext}[1]{%
8129 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8130     \unvbox\@mpfootins
8131     \def\baselinestretch{\m@m@footnote@spacing}%
8132     \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8133     \protected@edef\@currentlabel{%
8134         \csname p@mpfootnote\endcsname\@thefnmark}%
8135     \color@begingroup
8136     \reset@font%
8137     \@makefntext{%
8138         \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8139         \@finalstrut\strutbox}%
8140     \color@endgroup}}
8141 \renewcommand{\@mpRTLfootnotetext}[1]{%
8142 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8143     \unvbox\@mpfootins
8144     \def\baselinestretch{\m@m@footnote@spacing}%
8145     \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8146     \protected@edef\@currentlabel{%
8147         \csname p@mpfootnote\endcsname\@thefnmark}%
8148     \color@begingroup
8149     \reset@font%
8150     \@makefntext{%
8151         \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8152         \@finalstrut\strutbox}%

```



```

8153 \color@endgroup}}
8154 \let\m@mold@footnotetext\@footnotetext
8155 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8156 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8157 \let\m@mold@mpfootnotetext\@mpfootnotetext
8158 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8159 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8160 \bidi@ensure@newcommand{\normalfootnotes}{%
8161 \let\@footnotetext\m@mold@footnotetext
8162 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8163 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8164 \let\@mpfootnotetext\m@mold@mpfootnotetext
8165 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8166 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
8167 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8168 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestrue}
8169 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotestrue}
8170 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8171 \def\m@m@singleSpace{#1}%
8172 \def\m@m@footnote@spacing{#1}%
8173 \def\m@m@float@spacing{#1} %
8174 }
8175 \setSingleSpace{1}
8176 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8177 \bidi@ensure@newcommand*{\m@mmf@prepare}{%
8178 \kern-\multiplefootnotemarker
8179 \kern\multiplefootnotemarker\relax}
8180 \bidi@ensure@newlength{\footmarkwidth}
8181 \bidi@ensure@newlength{\footmarksep}
8182 \bidi@ensure@newlength{\footparindent}
8183 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8184 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8185 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8186 \bidi@ensure@newcommand{\footfootmark}{%
8187 \ifdim\footmarkwidth < \z@
8188 \llap{\hb@xt@ -\footmarkwidth{%
8189 \hss\normalfont\footscript{\@thefnmark}}}%
8190 \hspace*{-\footmarkwidth}}%
8191 \else
8192 \ifdim\footmarkwidth = \z@
8193 {\normalfont\footscript{\@thefnmark}}%
8194 \else
8195 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8196 \fi
8197 \fi}
8198 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8199 \ifdim\footmarkwidth < \z@
8200 \llap{\hb@xt@ -\footmarkwidth{%
8201 \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8202 \hspace*{-\footmarkwidth}}%

```



```

8203 \else
8204 \ifdim\footmarkwidth = \z@
8205 {\normalfont\LTRfootscript{\@thefnmark}}%
8206 \else
8207 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8208 \fi
8209 \fi}
8210 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8211 \ifdim\footmarkwidth < \z@
8212 \llap{\hb@xt@ -\footmarkwidth{%
8213 \hss\normalfont\RTLfootscript{\@thefnmark}}%
8214 \hspace*{-\footmarkwidth}}%
8215 \else
8216 \ifdim\footmarkwidth = \z@
8217 {\normalfont\RTLfootscript{\@thefnmark}}%
8218 \else
8219 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8220 \fi
8221 \fi}
8222 \footmarkstyle{\textsuperscript{#1}}
8223 \LTRfootmarkstyle{\textsuperscript{#1}}
8224 \RTLfootmarkstyle{\textsuperscript{#1}}
8225 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8226 \setlength{\footparindent}{1em}
8227 \bidi@ensure@newcommand{\m@doextrafeet}{\extrafeetins}
8228 \bidi@ensure@newcommand*{\extrafeetins}{%
8229 \setbox\@outputbox \vbox{%
8230 \boxmaxdepth \@maxdepth
8231 \unvbox\@outputbox
8232 \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8233 \extrafeetinshook}}
8234 \bidi@ensure@newcommand{\extrafeetinshook}{%
8235 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8236 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8237 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8238 \bidi@ensure@newlength{\footinsdim}
8239 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8240 \bidi@ensure@newcommand{\@preamfntext}{%
8241 \interlinepenalty\interfootnotelinepenalty
8242 \floatingpenalty \@MM
8243 \splittopskip=\footnotesep
8244 \splitmaxdepth=\dp\strutbox
8245 \@parboxrestore}
8246 \bidi@ensure@newcommand{\m@doextrafeetmini}{%
8247 \extrafeetminihook}
8248 \bidi@ensure@newcommand{\extrafeetendmini}{%
8249 \ifvoid\@mpfootinsv@r\else
8250 \vskip\skip\@mpfootins
8251 \normalcolor\footnoterule\mp@footgroupv@r
8252 \fi

```



```

8253 \extrafeetendminihook}
8254 \bidi@ensure@newcommand{\extrafeetendminihook}{}
8255 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8256 \def\endminipage{%
8257 \par
8258 \unskip
8259 \ifvoid\@mpfootins\else
8260 \vskip\skip\@mpfootins
8261 \normalcolor
8262 \footnoterule
8263 \unvbox\@mpfootins
8264 \fi
8265 \m@mdoextrafeetendmini
8266 \@minipagefalse
8267 \color@endgroup
8268 \egroup
8269 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
8270 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8271 \@namedef{\@footstart#1}{%
8272 \bidi@mopfn@bottom
8273 \vskip\bigskipamount
8274 \leftskip=\z@
8275 \rightskip=\z@
8276 \footnoterule}}
8277 \newinsert\footinsv@r
8278 \skip\footinsv@r\bigskipamount
8279 \count\footinsv@r=1000 % no magnification
8280 \dimen\footinsv@r=\footinsdim
8281 \m@make@footstart{v@r}
8282 \bidi@ensure@newcommand{\@footgroupv@r}{}
8283 \newinsert\@mpfootinsv@r
8284 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
8285 \newcount\m@m@k \newdimen\m@m@h
8286 \@ifpackageloaded{multicol}{%
8287 \bidi@ensure@newcommand*\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8288 \hsize\textwidth
8289 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8290 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8291 }{%
8292 \bidi@ensure@newcommand*\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8293 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8294 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8295 \bidi@ensure@newcommand*\m@mdosplits{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8296 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8297 \bidi@ensure@newcommand*\m@msplitoff{\dimen0=\ht0
8298 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8299 \setbox2 \vsplit0 to \dimen0
8300 \unvbox2 }
8301 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8302 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]

```



```

8303 \let\@footnotetext\@twocolfootnotetext
8304 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8305 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8306 \dimen\footinsv@r=2\footinsdim
8307 \count\footinsv@r=500\relax
8308 \m@make@twocol@footgroup{v@r}%
8309 \let\@footgroupv@r\@twocol@footgroupv@r
8310 \let\@mpfootnotetext\@mptwocolfootnotetext
8311 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8312 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8313 \m@make@mptwocol@footgroup{v@r}%
8314 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
8315 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8316 \def\baselinestretch{\m@m@footnote@spacing}%
8317 \reset@font\foottextfont
8318 \@preamfntext
8319 \protected@edef\@currentlabel{%
8320 \csname p@footnote\endcsname\@thefnmark}%
8321 \color@begingroup
8322 \@twocolfootfmt{#1}%
8323 \color@endgroup}%
8324 \m@mmf@prepare}
8325 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8326 \def\baselinestretch{\m@m@footnote@spacing}%
8327 \reset@font\LTRfoottextfont
8328 \@preamfntext
8329 \protected@edef\@currentlabel{%
8330 \csname p@footnote\endcsname\@thefnmark}%
8331 \color@begingroup
8332 \@twocolLTRfootfmt{#1}%
8333 \color@endgroup}%
8334 \m@mmf@prepare}
8335 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8336 \def\baselinestretch{\m@m@footnote@spacing}%
8337 \reset@font\RTLfoottextfont
8338 \@preamfntext
8339 \protected@edef\@currentlabel{%
8340 \csname p@footnote\endcsname\@thefnmark}%
8341 \color@begingroup
8342 \@twocolRTLfootfmt{#1}%
8343 \color@endgroup}%
8344 \m@mmf@prepare}
8345 \bidi@ensure@newcommand{\@preamtwofmt}{%
8346 \hsize .45\hsize
8347 \parindent=\z@
8348 \tolerance=5000\relax
8349 \leavevmode}
8350 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8351 \@preamtwofmt
8352 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}

```



```

8353 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8354   \@preamtwofmt
8355   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8356 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8357   \@preamtwofmt
8358   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8359 \bidi@ensure@newcommand{\@emptwocolfootnotetext}[1]{%
8360   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8361     \unvbox\@mpfootinsv@r
8362     \def\baselinestretch{\m@m@footnote@spacing}%
8363     \reset@font\foottextfont
8364     \hsize\columnwidth \@parboxrestore
8365     \protected@edef\@currentlabel{%
8366       \csname p@mpfootnote\endcsname\@thefnmark}%
8367     \color@begingroup
8368       \@twocolfootfmt{#1}%
8369     \color@endgroup}%
8370   \m@mmf@prepare}
8371 \bidi@ensure@newcommand{\@emptwocolLTRfootnotetext}[1]{%
8372   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8373     \unvbox\@mpfootinsv@r
8374     \def\baselinestretch{\m@m@footnote@spacing}%
8375     \reset@font\LTRfoottextfont
8376     \hsize\columnwidth \@parboxrestore
8377     \if@RTLcolumnfootnotes\beginL\fi
8378     \protected@edef\@currentlabel{%
8379       \csname p@mpfootnote\endcsname\@thefnmark}%
8380     \color@begingroup
8381       \@twocolLTRfootfmt{#1}%
8382     \color@endgroup}%
8383   \m@mmf@prepare}
8384 \bidi@ensure@newcommand{\@emptwocolRTLfootnotetext}[1]{%
8385   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8386     \unvbox\@mpfootinsv@r
8387     \def\baselinestretch{\m@m@footnote@spacing}%
8388     \reset@font\RTLfoottextfont
8389     \hsize\columnwidth \@parboxrestore
8390     \protected@edef\@currentlabel{%
8391       \csname p@mpfootnote\endcsname\@thefnmark}%
8392     \color@begingroup
8393       \@twocolRTLfootfmt{#1}%
8394     \color@endgroup}%
8395   \m@mmf@prepare}
8396 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8397   \m@make@twocolfootnotetext{#1}%
8398   \m@make@emptwocolfootnotetext{#1}%
8399   \m@make@twocolfootfmt{#1}%
8400   \m@make@twocol@footgroup{#1}%
8401   \m@make@emptwocol@footgroup{#1}%
8402   \m@make@footstart{#1}%

```



```

8403 \bidi@namelongdef{@footnotetext#1}##1{%
8404     \@nameuse{@twocolfootnotetext#1}{##1}}%
8405 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8406     \@nameuse{@mptwocolfootnotetext#1}{##1}}%
8407 \@namedef{@footgroup#1}{\@nameuse{@twocol@footgroup#1}}%
8408 \@namedef{@mp@footgroup#1}{\@nameuse{@mptwocol@footgroup#1}}%
8409 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8410 \expandafter\count\csname footins#1\endcsname=500\relax}
8411 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8412     \bidi@namelongdef{@twocolfootnotetext#1}##1{%
8413         \insert\@nameuse{footins#1}{%
8414             \def\baselinestretch{\m@m@footnote@spacing}%
8415             \reset@font\@nameuse{foottextfont#1}%
8416             \@preamfntext
8417             \protected@edef\@currentlabel{%
8418                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8419             \color@begingroup
8420                 \@nameuse{@twocolfootfmt#1}{##1}%
8421             \color@endgroup}%
8422             \m@m@mmf@prepare}}
8423 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8424     \bidi@namelongdef{@mptwocolfootnotetext#1}##1{%
8425         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8426             \unvbox\@nameuse{@mpfootins#1}
8427             \def\baselinestretch{\m@m@footnote@spacing}%
8428             \reset@font\@nameuse{foottextfont#1}%
8429             \hsize\columnwidth \@parboxrestore
8430             \protected@edef\@currentlabel{%
8431                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8432             \color@begingroup
8433                 \@nameuse{@twocolfootfmt#1}{##1}%
8434             \color@endgroup}\m@m@mmf@prepare}}
8435 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8436     \@namedef{@twocolfootfmt#1}##1{%
8437         \@preamtwofmt
8438         {\@nameuse{footfootmark#1}\strut
8439             {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8440 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8441     \@namedef{@twocol@footgroup#1}{%
8442         \def\baselinestretch{\m@m@footnote@spacing}%
8443         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8444         \m@m@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8445 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8446     \@namedef{@mptwocol@footgroup#1}{%
8447         \def\baselinestretch{\m@m@footnote@spacing}%
8448         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8449         \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
8450 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8451     \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8452     \let\@footnotetext\@threecolfootnotetext

```




```

8453 \let\@LTRfootnotetext\@threecolLTRfootnotetext
8454 \let\@RTLfootnotetext\@threecolRTLfootnotetext
8455 \dimen\footinsv@r=3\footinsdim
8456 \count\footinsv@r=333\relax
8457 \m@make@threecol@footgroup{v@r}%
8458 \let\@footgroupv@r\@threecol@footgroupv@r
8459 \let\@mpfootnotetext\@mpthreecolfootnotetext
8460 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8461 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8462 \m@make@mpthreecol@footgroup{v@r}%
8463 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
8464 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8465 \def\baselinestretch{\m@m@footnote@spacing}%
8466 \reset@font\foottextfont
8467 \@preamfntext
8468 \protected@edef\@currentlabel{%
8469 \csname p@footnote\endcsname\@thefnmark}%
8470 \color@begingroup
8471 \@threecolfootfmt{#1}%
8472 \color@endgroup}\m@mmf@prepare}
8473 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8474 \def\baselinestretch{\m@m@footnote@spacing}%
8475 \reset@font\LTRfoottextfont
8476 \@preamfntext
8477 \protected@edef\@currentlabel{%
8478 \csname p@footnote\endcsname\@thefnmark}%
8479 \color@begingroup
8480 \@threecolLTRfootfmt{#1}%
8481 \color@endgroup}\m@mmf@prepare}
8482 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8483 \def\baselinestretch{\m@m@footnote@spacing}%
8484 \reset@font\RTLfoottextfont
8485 \@preamfntext
8486 \protected@edef\@currentlabel{%
8487 \csname p@footnote\endcsname\@thefnmark}%
8488 \color@begingroup
8489 \@threecolRTLfootfmt{#1}%
8490 \color@endgroup}\m@mmf@prepare}
8491 \bidi@ensure@newcommand{\@preamthreefmt}{%
8492 \hsize .3\hsize
8493 \parindent=\z@
8494 \tolerance=5000\relax
8495 \leavevmode}
8496 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8497 \@preamthreefmt
8498 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8499 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8500 \@preamthreefmt
8501 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8502 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%

```



```

8503 \@preamthreefmt
8504 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8505 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8506 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8507 \unvbox\@mpfootinsv@r
8508 \def\baselinestretch{\m@m@footnote@spacing}%
8509 \reset@font\foottextfont
8510 \hsize\columnwidth \@parboxrestore
8511 \protected@edef\@currentlabel{%
8512 \csname p@mpfootnote\endcsname\@thefnmark}%
8513 \color@begingroup
8514 \@threecolfootfmt{#1}%
8515 \color@endgroup}\m@m@mmf@prepare}
8516 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8517 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8518 \unvbox\@mpfootinsv@r
8519 \def\baselinestretch{\m@m@footnote@spacing}%
8520 \reset@font\LTRfoottextfont
8521 \hsize\columnwidth \@parboxrestore
8522 \if@RTLcolumnfootnotes\beginL\fi
8523 \protected@edef\@currentlabel{%
8524 \csname p@mpfootnote\endcsname\@thefnmark}%
8525 \color@begingroup
8526 \@threecolLTRfootfmt{#1}%
8527 \color@endgroup}\m@m@mmf@prepare}
8528 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8529 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8530 \unvbox\@mpfootinsv@r
8531 \def\baselinestretch{\m@m@footnote@spacing}%
8532 \reset@font\RTLfoottextfont
8533 \hsize\columnwidth \@parboxrestore
8534 \protected@edef\@currentlabel{%
8535 \csname p@mpfootnote\endcsname\@thefnmark}%
8536 \color@begingroup
8537 \@threecolRTLfootfmt{#1}%
8538 \color@endgroup}\m@m@mmf@prepare}
8539 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8540 \m@make@threecolfootnotetext{#1}%
8541 \m@make@mpthreecolfootnotetext{#1}%
8542 \m@make@threecolfootfmt{#1}%
8543 \m@make@threecol@footgroup{#1}%
8544 \m@make@mpthreecol@footgroup{#1}%
8545 \m@make@footstart{#1}%
8546 \bidi@namelongdef{\@footnotetext#1}##1{%
8547 \@nameuse{\@threecolfootnotetext#1}{##1}}%
8548 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8549 \@nameuse{\@mpthreecolfootnotetext#1}{##1}}%
8550 \@namedef{\@footgroup#1}{\@nameuse{\@threecol@footgroup#1}}%
8551 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpthreecol@footgroup#1}}%
8552 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim

```



```

8553 \expandafter\count\csname footins#1\endcsname=333\relax}
8554 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8555 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
8556 \insert\@nameuse{footins#1}{%
8557 \def\baselinestretch{\m@m@footnote@spacing}%
8558 \reset@font\@nameuse{foottextfont#1}%
8559 \@preamfntext
8560 \protected@edef\@currentlabel{%
8561 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8562 \color@begingroup
8563 \@nameuse{@threecolfootfmt#1}##1}%
8564 \color@endgroup}\m@mmf@prepare}}
8565 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8566 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
8567 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8568 \unvbox\@nameuse{@mpfootins#1}
8569 \def\baselinestretch{\m@m@footnote@spacing}%
8570 \reset@font\@nameuse{foottextfont#1}%
8571 \hsize\columnwidth \@parboxrestore
8572 \protected@edef\@currentlabel{%
8573 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8574 \color@begingroup
8575 \@nameuse{@threecolfootfmt#1}##1}%
8576 \color@endgroup}\m@mmf@prepare}}
8577 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8578 \bidi@namelongdef{@threecolfootfmt#1}##1{%
8579 \@preamthreelfmt
8580 {\@nameuse{footfootmark#1}\strut
8581 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8582 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8583 \namedef{@threecol@footgroup#1}{%
8584 \def\baselinestretch{\m@m@footnote@spacing}%
8585 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8586 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
8587 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8588 \namedef{@mpthreecol@footgroup#1}{%
8589 \def\baselinestretch{\m@m@footnote@spacing}%
8590 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8591 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
8592 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8593 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8594 \let\@footnotetext\@fourcolfootnotetext
8595 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8596 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8597 \dimen\footinsv@r=4\footinsdim
8598 \count\footinsv@r=250\relax
8599 \m@make@fourcol@footgroup{v@r}%
8600 \let\@footgroupv@r\@fourcol@footgroupv@r
8601 \let\@mpfootnotetext\@mpfourcolfootnotetext
8602 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext

```



```

8603 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8604 \make@mpfourcol@footgroup{v@r}%
8605 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8606 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8607 \def\baselinestretch{\m@m@footnote@spacing}%
8608 \reset@font\foottextfont
8609 \@preamfntext
8610 \protected@edef\@currentlabel{%
8611 \csname p@footnote\endcsname\@thefnmark}%
8612 \color@begingroup
8613 \@fourcolfootfmt{#1}%
8614 \color@endgroup}%
8615 \m@m@mmf@prepare}
8616 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
8617 \def\baselinestretch{\m@m@footnote@spacing}%
8618 \reset@font\LTRfoottextfont
8619 \@preamfntext
8620 \protected@edef\@currentlabel{%
8621 \csname p@footnote\endcsname\@thefnmark}%
8622 \color@begingroup
8623 \@fourcolLTRfootfmt{#1}%
8624 \color@endgroup}%
8625 \m@m@mmf@prepare}
8626 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8627 \def\baselinestretch{\m@m@footnote@spacing}%
8628 \reset@font\RTLfoottextfont
8629 \@preamfntext
8630 \protected@edef\@currentlabel{%
8631 \csname p@footnote\endcsname\@thefnmark}%
8632 \color@begingroup
8633 \@fourcolRTLfootfmt{#1}%
8634 \color@endgroup}%
8635 \m@m@mmf@prepare}
8636 \bidi@ensure@newcommand{\@preamfourfmt}{%
8637 \hspace{.25\hspace}
8638 \parindent=\z@
8639 \tolerance=5000\relax
8640 \leavevmode}
8641 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8642 \@preamfourfmt
8643 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8644 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8645 \@preamfourfmt
8646 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8647 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8648 \@preamfourfmt
8649 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8650 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8651 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8652 \unvbox\@mpfootinsv@r}

```



```

8653 \def\baselinestretch{\m@m@footnote@spacing}%
8654 \reset@font\foottextfont
8655 \hsize\columnwidth \@parboxrestore
8656 \protected@edef\@currentlabel{%
8657 \csname p@mpfootnote\endcsname\@thefnmark}%
8658 \color@begingroup
8659 \@fourcolfootfmt{#1}%
8660 \color@endgroup}%
8661 \m@mmf@prepare}
8662 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8663 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8664 \unvbox\@mpfootinsv@r
8665 \def\baselinestretch{\m@m@footnote@spacing}%
8666 \reset@font\LTRfoottextfont
8667 \hsize\columnwidth \@parboxrestore
8668 \ifRTLcolumnfootnotes\beginL\fi
8669 \protected@edef\@currentlabel{%
8670 \csname p@mpfootnote\endcsname\@thefnmark}%
8671 \color@begingroup
8672 \@fourcolLTRfootfmt{#1}%
8673 \color@endgroup}%
8674 \m@mmf@prepare}
8675 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8676 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8677 \unvbox\@mpfootinsv@r
8678 \def\baselinestretch{\m@m@footnote@spacing}%
8679 \reset@font\RTLfoottextfont
8680 \hsize\columnwidth \@parboxrestore
8681 \protected@edef\@currentlabel{%
8682 \csname p@mpfootnote\endcsname\@thefnmark}%
8683 \color@begingroup
8684 \@fourcolRTLfootfmt{#1}%
8685 \color@endgroup}%
8686 \m@mmf@prepare}
8687 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8688 \m@make@fourcolfootnotetext{#1}%
8689 \m@make@mpfourcolfootnotetext{#1}%
8690 \m@make@fourcolfootfmt{#1}%
8691 \m@make@fourcol@footgroup{#1}%
8692 \m@make@mpfourcol@footgroup{#1}%
8693 \m@make@footstart{#1}%
8694 \bidi@namelongdef{\footnotetext#1}##1{%
8695 \@nameuse{\@fourcolfootnotetext#1}##1}%
8696 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8697 \@nameuse{\@mpfourcolfootnotetext#1}##1}%
8698 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
8699 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%
8700 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8701 \expandafter\count\csname footins#1\endcsname=500\relax}
8702 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%

```



```

8703 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
8704 \insert{@nameuse{footins#1}}{%
8705 \def\baselinestretch{\m@m@footnote@spacing}%
8706 \reset@font{@nameuse{foottextfont#1}}%
8707 \@preamfntext
8708 \protected@edef{@currentlabel{%
8709 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8710 \color@begingroup
8711 \@nameuse{@fourcolfootfmt#1}{##1}%
8712 \color@endgroup}%
8713 \m@mmf@prepare}}
8714 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8715 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
8716 \global\setbox{@nameuse{@mpfootins#1}}\vbox{%
8717 \unvbox{@nameuse{@mpfootins#1}}
8718 \def\baselinestretch{\m@m@footnote@spacing}%
8719 \reset@font{@nameuse{foottextfont#1}}%
8720 \hsize\columnwidth \@parboxrestore
8721 \protected@edef{@currentlabel{%
8722 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8723 \color@begingroup
8724 \@nameuse{@fourcolfootfmt#1}{##1}%
8725 \color@endgroup}\m@mmf@prepare}}
8726 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8727 \@namedef{@fourcolfootfmt#1}##1{%
8728 \@preamfourfmt
8729 {\@nameuse{footfootmark#1}}\strut
8730 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8731 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8732 \@namedef{@fourcol@footgroup#1}{%
8733 \def\baselinestretch{\m@m@footnote@spacing}%
8734 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8735 \m@r@rigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
8736 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8737 \@namedef{@mpfourcol@footgroup#1}{%
8738 \def\baselinestretch{\m@m@footnote@spacing}%
8739 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8740 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}%
8741 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8742 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8743 \let\@footnotetext\@fivecolfootnotetext
8744 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8745 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8746 \dimen\footinsv@r=5\footinsdim
8747 \count\footinsv@r=200\relax
8748 \m@make@fivecol@footgroup{v@r}%
8749 \let\@footgroupv@r\@fivecol@footgroupv@r
8750 \let\@mpfootnotetext\@mpfivecolfootnotetext
8751 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8752 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext

```



```

8753 \m@make@mpfivecol@footgroup{v@r}%
8754 \let\mp@footgroupv@r@mpfivecol@footgroupv@r}
8755 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8756 \def\baselinestretch{\m@m@footnote@spacing}%
8757 \reset@font\foottextfont
8758 \@preamfntext
8759 \protected@edef\@currentlabel{%
8760 \csname p@footnote\endcsname\@thefnmark}%
8761 \color@begingroup
8762 \@fivecolfootfmt{#1}%
8763 \color@endgroup}%
8764 \m@m@mmf@prepare}
8765 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
8766 \def\baselinestretch{\m@m@footnote@spacing}%
8767 \reset@font\LTRfoottextfont
8768 \@preamfntext
8769 \protected@edef\@currentlabel{%
8770 \csname p@footnote\endcsname\@thefnmark}%
8771 \color@begingroup
8772 \@fivecolLTRfootfmt{#1}%
8773 \color@endgroup}%
8774 \m@m@mmf@prepare}
8775 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8776 \def\baselinestretch{\m@m@footnote@spacing}%
8777 \reset@font\RTLfoottextfont
8778 \@preamfntext
8779 \protected@edef\@currentlabel{%
8780 \csname p@footnote\endcsname\@thefnmark}%
8781 \color@begingroup
8782 \@fivecolRTLfootfmt{#1}%
8783 \color@endgroup}%
8784 \m@m@mmf@prepare}
8785 \bidi@ensure@newcommand{\@preamfivefmt}{%
8786 \hsize .2\hsize
8787 \parindent=\z@
8788 \tolerance=5000\relax
8789 \leavevmode}
8790 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8791 \@preamfivefmt
8792 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8793 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8794 \@preamfivefmt
8795 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8796 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8797 \@preamfivefmt
8798 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8799 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8800 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8801 \unvbox\@mpfootinsv@r
8802 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8803 \reset@font\foottextfont
8804 \hsize\columnwidth \@parboxrestore
8805 \protected@edef\@currentlabel{%
8806 \csname p@mpfootnote\endcsname\@thefnmark}%
8807 \color@begingroup
8808 \@fivecolfootfmt{#1}%
8809 \color@endgroup}%
8810 \m@mmf@prepare}
8811 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8812 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8813 \unvbox\@mpfootinsv@r
8814 \def\baselinestretch{\m@m@footnote@spacing}%
8815 \reset@font\LTRfoottextfont
8816 \hsize\columnwidth \@parboxrestore
8817 \if@RTLcolumnfootnotes\beginL\fi
8818 \protected@edef\@currentlabel{%
8819 \csname p@mpfootnote\endcsname\@thefnmark}%
8820 \color@begingroup
8821 \@fivecolLTRfootfmt{#1}%
8822 \color@endgroup}%
8823 \m@mmf@prepare}
8824 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8825 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8826 \unvbox\@mpfootinsv@r
8827 \def\baselinestretch{\m@m@footnote@spacing}%
8828 \reset@font\RTLfoottextfont
8829 \hsize\columnwidth \@parboxrestore
8830 \protected@edef\@currentlabel{%
8831 \csname p@mpfootnote\endcsname\@thefnmark}%
8832 \color@begingroup
8833 \@fivecolRTLfootfmt{#1}%
8834 \color@endgroup}%
8835 \m@mmf@prepare}
8836 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8837 \m@make@fivecolfootnotetext{#1}%
8838 \m@make@mpfivecolfootnotetext{#1}%
8839 \m@make@fivecolfootfmt{#1}%
8840 \m@make@fivecol@footgroup{#1}%
8841 \m@make@mpfivecol@footgroup{#1}%
8842 \m@make@footstart{#1}%
8843 \bidi@namelongdef{\@footnotetext#1}##1{%
8844 \@nameuse{\@fivecolfootnotetext#1}##1}%
8845 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8846 \@nameuse{\@mpfivecolfootnotetext#1}##1}%
8847 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
8848 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
8849 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8850 \expandafter\count\csname footins#1\endcsname=500\relax}
8851 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8852 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%

```




```

8853 \insert\@nameuse{footins#1}{%
8854 \def\baselinestretch{\m@m@footnote@spacing}%
8855 \reset@font\@nameuse{foottextfont#1}%
8856 \@preamfntext
8857 \protected@edef\@currentlabel{%
8858 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8859 \color@begingroup
8860 \@nameuse{@fivecolfootfmt#1}{##1}%
8861 \color@endgroup}%
8862 \m@mmf@prepare}}
8863 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8864 \bidi@namelongdef{\mpfivecolfootnotetext#1}##1{%
8865 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8866 \unvbox\@nameuse{@mpfootins#1}
8867 \def\baselinestretch{\m@m@footnote@spacing}%
8868 \reset@font\@nameuse{foottextfont#1}%
8869 \hsize\columnwidth \@parboxrestore
8870 \protected@edef\@currentlabel{%
8871 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8872 \color@begingroup
8873 \@nameuse{@fivecolfootfmt#1}{##1}%
8874 \color@endgroup}\m@mmf@prepare}}
8875 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8876 \@namedef{@fivecolfootfmt#1}##1{%
8877 \@preamfivefmt
8878 {\@nameuse{footfootmark#1}}\strut
8879 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8880 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8881 \@namedef{@fivecol@footgroup#1}{%
8882 \def\baselinestretch{\m@m@footnote@spacing}%
8883 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8884 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
8885 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8886 \@namedef{@mpfivecol@footgroup#1}{%
8887 \def\baselinestretch{\m@m@footnote@spacing}%
8888 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8889 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
8890 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8891 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8892 \let\@footnotetext\@sixcolfootnotetext
8893 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8894 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8895 \dimen\footinsv@r=6\footinsdim
8896 \count\footinsv@r=166\relax
8897 \m@make@sixcol@footgroup{v@r}%
8898 \let\@footgroupv@r\@sixcol@footgroupv@r
8899 \let\@mpfootnotetext\@mpsixcolfootnotetext
8900 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8901 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8902 \m@make@mpsixcol@footgroup{v@r}%

```



```

8903 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
8904 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8905 \def\baselinestretch{\m@m@footnote@spacing}%
8906 \reset@font\foottextfont
8907 \@preamfntext
8908 \protected@edef\@currentlabel{%
8909 \csname p@footnote\endcsname\@thefnmark}%
8910 \color@begingroup
8911 \@sixcolfootfmt{#1}%
8912 \color@endgroup}%
8913 \m@mmf@prepare}
8914 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8915 \def\baselinestretch{\m@m@footnote@spacing}%
8916 \reset@font\LTRfoottextfont
8917 \@preamfntext
8918 \protected@edef\@currentlabel{%
8919 \csname p@footnote\endcsname\@thefnmark}%
8920 \color@begingroup
8921 \@sixcolLTRfootfmt{#1}%
8922 \color@endgroup}%
8923 \m@mmf@prepare}
8924 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8925 \def\baselinestretch{\m@m@footnote@spacing}%
8926 \reset@font\RTLfoottextfont
8927 \@preamfntext
8928 \protected@edef\@currentlabel{%
8929 \csname p@footnote\endcsname\@thefnmark}%
8930 \color@begingroup
8931 \@sixcolRTLfootfmt{#1}%
8932 \color@endgroup}%
8933 \m@mmf@prepare}
8934 \bidi@ensure@newcommand{\@preamsixfmt}{%
8935 \hsize .16\hsize
8936 \parindent=\z@
8937 \tolerance=5000\relax
8938 \leavevmode}
8939 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8940 \@preamsixfmt
8941 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8942 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8943 \@preamsixfmt
8944 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8945 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8946 \@preamsixfmt
8947 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8948 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8949 \global\setbox\@mpfootinsv@r\vbox{%
8950 \unvbox\@mpfootinsv@r
8951 \def\baselinestretch{\m@m@footnote@spacing}%
8952 \reset@font\foottextfont

```



```

8953 \hsize\columnwidth \@parboxrestore
8954 \protected@edef\@currentlabel{%
8955 \csname p@mpfootnote\endcsname\@thefnmark}%
8956 \color@begingroup
8957 \@sixcolfootfmt{#1}%
8958 \color@endgroup}%
8959 \m@mmf@prepare}
8960 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
8961 \global\setbox\@mpfootinsv@r\vbox{%
8962 \unvbox\@mpfootinsv@r
8963 \def\baselinestretch{\m@m@footnote@spacing}%
8964 \reset@font\LTRfoottextfont
8965 \hsize\columnwidth \@parboxrestore
8966 \if@RTLcolumnfootnotes\beginL\fi
8967 \protected@edef\@currentlabel{%
8968 \csname p@mpfootnote\endcsname\@thefnmark}%
8969 \color@begingroup
8970 \@sixcolLTRfootfmt{#1}%
8971 \color@endgroup}%
8972 \m@mmf@prepare}
8973 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8974 \global\setbox\@mpfootinsv@r\vbox{%
8975 \unvbox\@mpfootinsv@r
8976 \def\baselinestretch{\m@m@footnote@spacing}%
8977 \reset@font\RTLfoottextfont
8978 \hsize\columnwidth \@parboxrestore
8979 \protected@edef\@currentlabel{%
8980 \csname p@mpfootnote\endcsname\@thefnmark}%
8981 \color@begingroup
8982 \@sixcolRTLfootfmt{#1}%
8983 \color@endgroup}%
8984 \m@mmf@prepare}
8985 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8986 \m@make@sixcolfootnotetext{#1}%
8987 \m@make@mpsixcolfootnotetext{#1}%
8988 \m@make@sixcolfootfmt{#1}%
8989 \m@make@sixcol@footgroup{#1}%
8990 \m@make@mpsixcol@footgroup{#1}%
8991 \m@make@footstart{#1}%
8992 \bidi@namelongdef{\footnotetext#1}##1{%
8993 \@nameuse{\@sixcolfootnotetext#1}{##1}}%
8994 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8995 \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%
8996 \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
8997 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsixcol@footgroup#1}}%
8998 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8999 \expandafter\count\csname footins#1\endcsname=500\relax}
9000 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9001 \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
9002 \insert\@nameuse{\footins#1}{%

```



```

9003 \def\baselinestretch{\m@m@footnote@spacing}%
9004 \reset@font\@nameuse{foottextfont#1}%
9005 \@preamfntext
9006 \protected@edef\@currentlabel{%
9007     \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9008 \color@begingroup
9009     \@nameuse{@sixcolfootfmt#1}{##1}%
9010 \color@endgroup}%
9011 \m@mmf@prepare}}
9012 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9013 \bidi@namelongdef{\mpsixcolfootnotetext#1}{##1}%
9014 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9015     \unvbox\@nameuse{@mpfootins#1}
9016 \def\baselinestretch{\m@m@footnote@spacing}%
9017 \reset@font\@nameuse{foottextfont#1}%
9018 \hsize\columnwidth \@parboxrestore
9019 \protected@edef\@currentlabel{%
9020     \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9021 \color@begingroup
9022     \@nameuse{@sixcolfootfmt#1}{##1}%
9023 \color@endgroup}\m@mmf@prepare}}
9024 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9025 \@namedef{@sixcolfootfmt#1}{##1}%
9026 \@preamsixfmt
9027     {\@nameuse{footfootmark#1}\strut
9028     {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9029 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9030 \@namedef{@sixcol@footgroup#1}{%
9031     \def\baselinestretch{\m@m@footnote@spacing}%
9032     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9033     \m@r@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
9034 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9035 \@namedef{@mpsixcol@footgroup#1}{%
9036     \def\baselinestretch{\m@m@footnote@spacing}%
9037     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9038     \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}}
9039 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9040 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9041 \let\@footnotetext\@sevendcolfootnotetext
9042 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9043 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9044 \dimen\footinsv@r=7\footinsdim
9045 \count\footinsv@r=142\relax
9046 \m@make@sevendcol@footgroup{v@r}%
9047 \let\@footgroupv@r\@sevendcol@footgroupv@r
9048 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9049 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9050 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9051 \m@make@mpsevendcol@footgroup{v@r}%
9052 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}

```



```

9053 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9054 \def\baselinestretch{\m@m@footnote@spacing}%
9055 \reset@font\foottextfont
9056 \@preamfntext
9057 \protected@edef\@currentlabel{%
9058 \csname p@footnote\endcsname\@thefnmark}%
9059 \color@begingroup
9060 \@sevendcolfootfmt{#1}%
9061 \color@endgroup}%
9062 \m@mmf@prepare}
9063 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9064 \def\baselinestretch{\m@m@footnote@spacing}%
9065 \reset@font\LTRfoottextfont
9066 \@preamfntext
9067 \protected@edef\@currentlabel{%
9068 \csname p@footnote\endcsname\@thefnmark}%
9069 \color@begingroup
9070 \@sevendcolLTRfootfmt{#1}%
9071 \color@endgroup}%
9072 \m@mmf@prepare}
9073 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9074 \def\baselinestretch{\m@m@footnote@spacing}%
9075 \reset@font\RTLfoottextfont
9076 \@preamfntext
9077 \protected@edef\@currentlabel{%
9078 \csname p@footnote\endcsname\@thefnmark}%
9079 \color@begingroup
9080 \@sevendcolRTLfootfmt{#1}%
9081 \color@endgroup}%
9082 \m@mmf@prepare}
9083 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9084 \hsize .142\hsize
9085 \parindent=\z@
9086 \tolerance=5000\relax
9087 \leavevmode}
9088 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
9089 \@preamsevenfmt
9090 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9091 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
9092 \@preamsevenfmt
9093 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9094 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
9095 \@preamsevenfmt
9096 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9097 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9098 \global\setbox\@mpfootinsv@r\vbox{%
9099 \unvbox\@mpfootinsv@r
9100 \def\baselinestretch{\m@m@footnote@spacing}%
9101 \reset@font\foottextfont
9102 \hsize\columnwidth \@parboxrestore

```



```

g103 \protected@edef\@currentlabel{%
g104 \csname p@mpfootnote\endcsname\@thefnmark}%
g105 \color@begingroup
g106 \@sevenscolfootfmt{#1}%
g107 \color@endgroup}%
g108 \m@mmf@prepare}
g109 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{\@RTLfalse%
g110 \global\setbox\@mpfootinsv@r\vbox{%
g111 \unvbox\@mpfootinsv@r
g112 \def\baselinestretch{\m@m@footnote@spacing}%
g113 \reset@font\LTRfoottextfont
g114 \hsize\columnwidth \@parboxrestore
g115 \if@RTLcolumnfootnotes\beginL\fi
g116 \protected@edef\@currentlabel{%
g117 \csname p@mpfootnote\endcsname\@thefnmark}%
g118 \color@begingroup
g119 \@sevencolLTRfootfmt{#1}%
g120 \color@endgroup}%
g121 \m@mmf@prepare}
g122 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{\@RTLtrue%
g123 \global\setbox\@mpfootinsv@r\vbox{%
g124 \unvbox\@mpfootinsv@r
g125 \def\baselinestretch{\m@m@footnote@spacing}%
g126 \reset@font\RTLfoottextfont
g127 \hsize\columnwidth \@parboxrestore
g128 \protected@edef\@currentlabel{%
g129 \csname p@mpfootnote\endcsname\@thefnmark}%
g130 \color@begingroup
g131 \@sevencolRTLfootfmt{#1}%
g132 \color@endgroup}%
g133 \m@mmf@prepare}
g134 \bidi@ensure@newcommand{\sevencolumnfootstyle}[1]{%
g135 \m@make@sevencolfootnotetext{#1}%
g136 \m@make@mpsevencolfootnotetext{#1}%
g137 \m@make@sevencolfootfmt{#1}%
g138 \m@make@sevencol@footgroup{#1}%
g139 \m@make@mpsevencol@footgroup{#1}%
g140 \m@make@footstart{#1}%
g141 \bidi@namelongdef{\@footnotetext#1}##1{%
g142 \@nameuse{\@sevencolfootnotetext#1}{##1}}%
g143 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
g144 \@nameuse{\@mpsevencolfootnotetext#1}{##1}}%
g145 \@namedef{\@footgroup#1}{\@nameuse{\@sevencol@footgroup#1}}%
g146 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsevencol@footgroup#1}}%
g147 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
g148 \expandafter\count\csname footins#1\endcsname=500\relax}
g149 \bidi@ensure@newcommand{\m@make@sevencolfootnotetext}[1]{%
g150 \bidi@namelongdef{\@sevencolfootnotetext#1}##1{%
g151 \insert\@nameuse{footins#1}{%
g152 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9153 \reset@font\@nameuse{foottextfont#1}%
9154 \@preamfntext
9155 \protected@edef\@currentlabel{%
9156   \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9157 \color@begingroup
9158   \@nameuse{@sevendcolfootfmt#1}{##1}%
9159 \color@endgroup}%
9160 \m@mmf@prepare}}
9161 \bidi@ensure@newcommand{\m@make@mpsevendcolfootnotetext}[1]{%
9162 \bidi@namelongdef{\m@make@mpsevendcolfootnotetext#1}##1{%
9163   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9164     \unvbox\@nameuse{@mpfootins#1}
9165     \def\baselinestretch{\m@m@footnote@spacing}%
9166     \reset@font\@nameuse{foottextfont#1}%
9167     \hsize\columnwidth \@parboxrestore
9168     \protected@edef\@currentlabel{%
9169       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9170     \color@begingroup
9171       \@nameuse{@sevendcolfootfmt#1}{##1}%
9172     \color@endgroup}\m@mmf@prepare}}
9173 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
9174   \@namedef{@sevendcolfootfmt#1}##1{%
9175     \@preamsevenfmt
9176     {\@nameuse{footfootmark#1}\strut
9177       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9178 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
9179   \@namedef{@sevendcol@footgroup#1}{%
9180     \def\baselinestretch{\m@m@footnote@spacing}%
9181     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9182     \m@r@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
9183 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
9184   \@namedef{@mpsevendcol@footgroup#1}{%
9185     \def\baselinestretch{\m@m@footnote@spacing}%
9186     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9187     \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
9188 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9189   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9190   \let\@footnotetext\@eightcolfootnotetext
9191   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9192   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9193   \dimen\footinsv@r=8\footinsdim
9194   \count\footinsv@r=125\relax
9195   \m@make@eightcol@footgroup{v@r}%
9196   \let\@footgroupv@r\@eightcol@footgroupv@r
9197   \let\@mpfootnotetext\@mpeightcolfootnotetext
9198   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9199   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9200   \m@make@mpeightcol@footgroup{v@r}%
9201   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9202 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr

```



```

9203 \def\baselinestretch{\m@m@footnote@spacing}%
9204 \reset@font\foottextfont
9205 \@preamfntext
9206 \protected@edef\@currentlabel{%
9207   \csname p@footnote\endcsname\@thefnmark}%
9208 \color@begingroup
9209   \@eightcolfootfmt{#1}%
9210 \color@endgroup}%
9211 \m@mmf@prepare}
9212 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9213 \def\baselinestretch{\m@m@footnote@spacing}%
9214 \reset@font\LTRfoottextfont
9215 \@preamfntext
9216 \protected@edef\@currentlabel{%
9217   \csname p@footnote\endcsname\@thefnmark}%
9218 \color@begingroup
9219   \@eightcolLTRfootfmt{#1}%
9220 \color@endgroup}%
9221 \m@mmf@prepare}
9222 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9223 \def\baselinestretch{\m@m@footnote@spacing}%
9224 \reset@font\RTLfoottextfont
9225 \@preamfntext
9226 \protected@edef\@currentlabel{%
9227   \csname p@footnote\endcsname\@thefnmark}%
9228 \color@begingroup
9229   \@eightcolRTLfootfmt{#1}%
9230 \color@endgroup}%
9231 \m@mmf@prepare}
9232 \bidi@ensure@newcommand{\@preameightfmt}{%
9233 \hsize .125\hsize
9234 \parindent=\z@
9235 \tolerance=5000\relax
9236 \leavevmode}
9237 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9238 \@preameightfmt
9239 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9240 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9241 \@preameightfmt
9242 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9243 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9244 \@preameightfmt
9245 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9246 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9247 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9248   \unvbox\@mpfootinsv@r
9249   \def\baselinestretch{\m@m@footnote@spacing}%
9250   \reset@font\foottextfont
9251   \hsize\columnwidth \@parboxrestore
9252   \protected@edef\@currentlabel{%

```




```

9253 \csname p@mpfootnote\endcsname\@thefnmark}%
9254 \color@begingroup
9255 \@eightcolfootfmt{#1}%
9256 \color@endgroup}%
9257 \m@mmf@prepare}
9258 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9259 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9260 \unvbox\@mpfootinsv@r
9261 \def\baselinestretch{\m@m@footnote@spacing}%
9262 \reset@font\LTRfoottextfont
9263 \hsize\columnwidth \@parboxrestore
9264 \if@RTLcolumnfootnotes\beginL\fi
9265 \protected@edef\@currentlabel{%
9266 \csname p@mpfootnote\endcsname\@thefnmark}%
9267 \color@begingroup
9268 \@eightcolLTRfootfmt{#1}%
9269 \color@endgroup}%
9270 \m@mmf@prepare}
9271 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9272 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9273 \unvbox\@mpfootinsv@r
9274 \def\baselinestretch{\m@m@footnote@spacing}%
9275 \reset@font\RTLfoottextfont
9276 \hsize\columnwidth \@parboxrestore
9277 \protected@edef\@currentlabel{%
9278 \csname p@mpfootnote\endcsname\@thefnmark}%
9279 \color@begingroup
9280 \@eightcolRTLfootfmt{#1}%
9281 \color@endgroup}%
9282 \m@mmf@prepare}
9283 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9284 \m@make@eightcolfootnotetext{#1}%
9285 \m@make@mpeightcolfootnotetext{#1}%
9286 \m@make@eightcolfootfmt{#1}%
9287 \m@make@eightcol@footgroup{#1}%
9288 \m@make@mpeightcol@footgroup{#1}%
9289 \m@make@footstart{#1}%
9290 \bidi@namelongdef{\@footnotetext#1}##1{%
9291 \@nameuse{\@eightcolfootnotetext#1}{##1}}%
9292 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9293 \@nameuse{\@mpeightcolfootnotetext#1}{##1}}%
9294 \@namedef{\@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
9295 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpeightcol@footgroup#1}}%
9296 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9297 \expandafter\count\csname footins#1\endcsname=500\relax}
9298 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9299 \bidi@namelongdef{\@eightcolfootnotetext#1}##1{%
9300 \insert\@nameuse{footins#1}{%
9301 \def\baselinestretch{\m@m@footnote@spacing}%
9302 \reset@font\@nameuse{foottextfont#1}%

```



```

9303 \preamfntext
9304 \protected@edef\@currentlabel{%
9305 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9306 \color@begingroup
9307 \@nameuse{@eightcolfootfmt#1}{##1}%
9308 \color@endgroup}%
9309 \m@mfmf@prepare}}
9310 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9311 \bidi@namelongdef{\m@eightcolfootnotetext#1}##1{%
9312 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9313 \unvbox\@nameuse{@mpfootins#1}
9314 \def\baselinestretch{\m@m@footnote@spacing}%
9315 \reset@font\@nameuse{foottextfont#1}%
9316 \hsize\columnwidth \@parboxrestore
9317 \protected@edef\@currentlabel{%
9318 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9319 \color@begingroup
9320 \@nameuse{@eightcolfootfmt#1}{##1}%
9321 \color@endgroup}\m@mfmf@prepare}}
9322 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9323 \@namedef{@eightcolfootfmt#1}##1{%
9324 \@preameightfmt
9325 {\@nameuse{footfootmark#1}\strut
9326 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9327 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9328 \@namedef{@eightcol@footgroup#1}{%
9329 \def\baselinestretch{\m@m@footnote@spacing}%
9330 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9331 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
9332 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9333 \@namedef{@eightcol@footgroup#1}{%
9334 \def\baselinestretch{\m@m@footnote@spacing}%
9335 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9336 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
9337 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9338 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9339 \let\@footnotetext\@ninecolfootnotetext
9340 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9341 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9342 \dimen\footinsv@r=9\footinsdim
9343 \count\footinsv@r=111\relax
9344 \m@make@ninecol@footgroup{v@r}%
9345 \let\@footgroupv@r\@ninecol@footgroupv@r
9346 \let\@mpfootnotetext\@mpninecolfootnotetext
9347 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9348 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9349 \m@make@mpninecol@footgroup{v@r}%
9350 \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9351 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9352 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9353 \reset@font\foottextfont
9354 \@preamfntext
9355 \protected@edef\@currentlabel{%
9356   \csname p@footnote\endcsname\@thefnmark}%
9357 \color@begingroup
9358   \@ninecolfootfmt{#1}%
9359 \color@endgroup}%
9360 \m@mmf@prepare}
9361 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9362   \def\baselinestretch{\m@m@footnote@spacing}%
9363   \reset@font\LTRfoottextfont
9364   \@preamfntext
9365   \protected@edef\@currentlabel{%
9366     \csname p@footnote\endcsname\@thefnmark}%
9367   \color@begingroup
9368     \@ninecolLTRfootfmt{#1}%
9369   \color@endgroup}%
9370   \m@mmf@prepare}
9371 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9372   \def\baselinestretch{\m@m@footnote@spacing}%
9373   \reset@font\RTLfoottextfont
9374   \@preamfntext
9375   \protected@edef\@currentlabel{%
9376     \csname p@footnote\endcsname\@thefnmark}%
9377   \color@begingroup
9378     \@ninecolRTLfootfmt{#1}%
9379   \color@endgroup}%
9380   \m@mmf@prepare}
9381 \bidi@ensure@newcommand{\@preamninefmt}{%
9382   \hsize .1\hsize
9383   \parindent=\z@
9384   \tolerance=5000\relax
9385   \leavevmode}
9386 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9387   \@preamninefmt
9388   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9389 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9390   \@preamninefmt
9391   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9392 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9393   \@preamninefmt
9394   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9395 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9396   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9397     \unvbox\@mpfootinsv@r
9398     \def\baselinestretch{\m@m@footnote@spacing}%
9399     \reset@font\foottextfont
9400     \hsize\columnwidth \@parboxrestore
9401     \protected@edef\@currentlabel{%
9402       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9403 \color@begingroup
9404   \@ninecolfootfmt{#1}%
9405 \color@endgroup}%
9406 \m@mmf@prepare}
9407 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9408 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9409   \unvbox\@mpfootinsv@r
9410   \def\baselinestretch{\m@m@footnote@spacing}%
9411   \reset@font\LTRfoottextfont
9412   \hsize\columnwidth \@parboxrestore
9413   \ifRTLcolumnfootnotes\beginL\fi
9414   \protected@edef\@currentlabel{%
9415     \csname p@mpfootnote\endcsname\@thefnmark}%
9416 \color@begingroup
9417   \@ninecolLTRfootfmt{#1}%
9418 \color@endgroup}%
9419 \m@mmf@prepare}
9420 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9421 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9422   \unvbox\@mpfootinsv@r
9423   \def\baselinestretch{\m@m@footnote@spacing}%
9424   \reset@font\RTLfoottextfont
9425   \hsize\columnwidth \@parboxrestore
9426   \protected@edef\@currentlabel{%
9427     \csname p@mpfootnote\endcsname\@thefnmark}%
9428 \color@begingroup
9429   \@ninecolRTLfootfmt{#1}%
9430 \color@endgroup}%
9431 \m@mmf@prepare}
9432 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
9433 \m@make@ninecolfootnotetext{#1}%
9434 \m@make@mpninecolfootnotetext{#1}%
9435 \m@make@ninecolfootfmt{#1}%
9436 \m@make@ninecol@footgroup{#1}%
9437 \m@make@mpninecol@footgroup{#1}%
9438 \m@make@footstart{#1}%
9439 \bidi@namelongdef{\@footnotetext#1}##1{%
9440   \@nameuse{\@ninecolfootnotetext#1}{##1}}%
9441 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9442   \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
9443 \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
9444 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
9445 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9446 \expandafter\count\csname footins#1\endcsname=500\relax}
9447 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9448 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
9449   \insert\@nameuse{footins#1}{%
9450     \def\baselinestretch{\m@m@footnote@spacing}%
9451     \reset@font\@nameuse{foottextfont#1}%
9452     \@preamfntext

```



```

9453 \protected@edef\@currentlabel{%
9454 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9455 \color@begingroup
9456 \@nameuse{@ninecolfootfmt#1}{##1}%
9457 \color@endgroup}%
9458 \m@mmf@prepare}}
9459 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9460 \bidi@namelongdef{\mpninecolfootnotetext#1}##1{%
9461 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9462 \unvbox\@nameuse{\mpfootins#1}
9463 \def\baselinestretch{\m@m@footnote@spacing}%
9464 \reset@font\@nameuse{foottextfont#1}%
9465 \hsize\columnwidth \@parboxrestore
9466 \protected@edef\@currentlabel{%
9467 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9468 \color@begingroup
9469 \@nameuse{@ninecolfootfmt#1}{##1}%
9470 \color@endgroup}\m@mmf@prepare}}
9471 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
9472 \@namedef{@ninecolfootfmt#1}##1{%
9473 \@preamninefmt
9474 {\@nameuse{footfootmark#1}\strut
9475 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9476 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9477 \@namedef{@ninecol@footgroup#1}{%
9478 \def\baselinestretch{\m@m@footnote@spacing}%
9479 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9480 \m@r@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
9481 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
9482 \@namedef{@mpninecol@footgroup#1}{%
9483 \def\baselinestretch{\m@m@footnote@spacing}%
9484 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9485 \m@r@rigidbalance{\@nameuse{\mpfootins#1}}{9}{\splittopskip}}}%
9486 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9487 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9488 \let\@footnotetext\@tencolfootnotetext
9489 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9490 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9491 \dimen\footinsv@r=10\footinsdim
9492 \count\footinsv@r=100\relax
9493 \m@make@tencol@footgroup{v@r}%
9494 \let\@footgroupv@r\@tencol@footgroupv@r
9495 \let\@mpfootnotetext\@mptencolfootnotetext
9496 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9497 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9498 \m@make@mptencol@footgroup{v@r}%
9499 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
9500 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9501 \def\baselinestretch{\m@m@footnote@spacing}%
9502 \reset@font\foottextfont

```



```

9503 \@preamfntext
9504 \protected@edef\@currentlabel{%
9505     \csname p@footnote\endcsname\@thefnmark}%
9506 \color@begingroup
9507     \@tencolfootfmt{#1}%
9508 \color@endgroup}%
9509 \m@mmf@prepare}
9510 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9511     \def\baselinestretch{\m@m@footnote@spacing}%
9512     \reset@font\LTRfoottextfont
9513     \@preamfntext
9514     \protected@edef\@currentlabel{%
9515         \csname p@footnote\endcsname\@thefnmark}%
9516     \color@begingroup
9517         \@tencolLTRfootfmt{#1}%
9518     \color@endgroup}%
9519     \m@mmf@prepare}
9520 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9521     \def\baselinestretch{\m@m@footnote@spacing}%
9522     \reset@font\RTLfoottextfont
9523     \@preamfntext
9524     \protected@edef\@currentlabel{%
9525         \csname p@footnote\endcsname\@thefnmark}%
9526     \color@begingroup
9527         \@tencolRTLfootfmt{#1}%
9528     \color@endgroup}%
9529     \m@mmf@prepare}
9530 \bidi@ensure@newcommand{\@preamtenfmt}{%
9531     \hsize .1\hsize
9532     \parindent=\z@
9533     \tolerance=5000\relax
9534     \leavevmode}
9535 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9536     \@preamtenfmt
9537     {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9538 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9539     \@preamtenfmt
9540     {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9541 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9542     \@preamtenfmt
9543     {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9544 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9545     \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9546         \unvbox\@mpfootinsv@r
9547         \def\baselinestretch{\m@m@footnote@spacing}%
9548         \reset@font\foottextfont
9549         \hsize\columnwidth \@parboxrestore
9550         \protected@edef\@currentlabel{%
9551             \csname p@mpfootnote\endcsname\@thefnmark}%
9552         \color@begingroup

```



```

9553 \tencolfootfmt{#1}%
9554 \color@endgroup}%
9555 \m@mmf@prepare}
9556 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9557 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9558 \unvbox\@mpfootinsv@r
9559 \def\baselinestretch{\m@m@footnote@spacing}%
9560 \reset@font\LTRfoottextfont
9561 \hsize\columnwidth \@parboxrestore
9562 \if@RTLcolumnfootnotes\beginL\fi
9563 \protected@edef\@currentlabel{%
9564 \csname p@mpfootnote\endcsname\@thefnmark}%
9565 \color@begingroup
9566 \tencolLTRfootfmt{#1}%
9567 \color@endgroup}%
9568 \m@mmf@prepare}
9569 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9570 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9571 \unvbox\@mpfootinsv@r
9572 \def\baselinestretch{\m@m@footnote@spacing}%
9573 \reset@font\RTLfoottextfont
9574 \hsize\columnwidth \@parboxrestore
9575 \protected@edef\@currentlabel{%
9576 \csname p@mpfootnote\endcsname\@thefnmark}%
9577 \color@begingroup
9578 \tencolRTLfootfmt{#1}%
9579 \color@endgroup}%
9580 \m@mmf@prepare}
9581 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9582 \m@make@tencolfootnotetext{#1}%
9583 \m@make@mptencolfootnotetext{#1}%
9584 \m@make@tencolfootfmt{#1}%
9585 \m@make@tencol@footgroup{#1}%
9586 \m@make@mptencol@footgroup{#1}%
9587 \m@make@footstart{#1}%
9588 \bidi@namelongdef{\footnotetext#1}##1{%
9589 \@nameuse{\tencolfootnotetext#1}{##1}}%
9590 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9591 \@nameuse{\mptencolfootnotetext#1}{##1}}%
9592 \@namedef{\footgroup#1}{\@nameuse{\tencol@footgroup#1}}%
9593 \@namedef{\mp@footgroup#1}{\@nameuse{\mptencol@footgroup#1}}%
9594 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9595 \expandafter\count\csname footins#1\endcsname=500\relax}
9596 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9597 \bidi@namelongdef{\tencolfootnotetext#1}##1{%
9598 \insert\@nameuse{footins#1}{%
9599 \def\baselinestretch{\m@m@footnote@spacing}%
9600 \reset@font\@nameuse{foottextfont#1}%
9601 \@preamfntext
9602 \protected@edef\@currentlabel{%

```



```

9603      \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9604      \color@begingroup
9605      \@nameuse{@tencolfootfmt#1}{##1}%
9606      \color@endgroup}%
9607      \m@mmf@prepare}}
9608 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9609 \bidi@namelongdef{\mptencolfootnotetext#1}##1{%
9610   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9611     \unvbox\@nameuse{@mpfootins#1}
9612     \def\baselinestretch{\m@m@footnote@spacing}%
9613     \reset@font\@nameuse{foottextfont#1}%
9614     \hsize\columnwidth \parboxrestore
9615     \protected@edef\@currentlabel{%
9616       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9617     \color@begingroup
9618     \@nameuse{@tencolfootfmt#1}{##1}%
9619     \color@endgroup}\m@mmf@prepare}}
9620 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9621   \@namedef{@tencolfootfmt#1}##1{%
9622     \@preamtenfmt
9623     {\@nameuse{footfootmark#1}\strut
9624      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9625 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9626   \@namedef{@tencol@footgroup#1}{%
9627     \def\baselinestretch{\m@m@footnote@spacing}%
9628     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9629     \m@r rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9630 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9631   \@namedef{@mptencol@footgroup#1}{%
9632     \def\baselinestretch{\m@m@footnote@spacing}%
9633     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9634     \m@r rigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
9635 \bidi@ensure@newcommand{\m@munvxh}[1]{%
9636   \setbox0=\vbox{\unvbox#1%
9637     \global\setbox1=\lastbox}%
9638   \unhbox1
9639   \unskip
9640   \unskip
9641   \unpenalty
9642   \hskip\m@mipn@skip}
9643 \bidi@ensure@newcommand{\m@mungebox}{%
9644   \setbox0=\hbox{\m@munvxh0}%
9645   \dp0=\z@
9646   \ht0=\footfudgefactor\wd0
9647   \box0
9648   \penalty0}
9649 \newskip\m@mipn@skip
9650 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
9651   {\foottextfont\global\m@mipn@skip=#1\relax}}
9652 \m@minterparanoteglua{1em plus.4em minus.4em}

```




```

9653 \@ifpackageloaded{multicol}{%
9654 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9655 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9656 \hsize\textwidth%
9657 \setbox0=\hbox{}%
9658 \loop
9659 \unpenalty
9660 \setbox2=\lastbox
9661 \ifhbox2
9662 \setbox0=\hbox{\box2\unhbox0}
9663 \repeat}
9664 }{%
9665 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9666 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9667 \setbox0=\hbox{}%
9668 \loop
9669 \unpenalty
9670 \setbox2=\lastbox
9671 \ifhbox2
9672 \setbox0=\hbox{\box2\unhbox0}
9673 \repeat}}
9674 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
9675 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
9676 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9677 \bidi@ensure@newcommand{\paragraphfootnotes}{%
9678 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9679 \let\@footnotetext\@parafootnotetext
9680 \let\@LTRfootnotetext\@paraLTRfootnotetext
9681 \let\@RTLfootnotetext\@paraRTLfootnotetext
9682 \dimen\footinsv@r=\footinsdim
9683 \count\footinsv@r=1000\relax
9684 \m@make@para@footgroup{v@r}%
9685 \let\@footgroupv@r\@para@footgroupv@r
9686 \let\@mpfootnotetext\@mpparafootnotetext
9687 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
9688 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9689 \m@make@mppara@footgroup{v@r}%
9690 \let\mp@footgroupv@r\@mppara@footgroupv@r
9691 {\def\baselinestretch{\m@m@footnote@spacing}%
9692 \foottextfont
9693 \dimen0=\baselineskip
9694 \multiply\dimen0 by 1024
9695 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9696 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9697 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9698 \let\bidi@RTL@everypar\empty%
9699 \def\baselinestretch{\m@m@footnote@spacing}%
9700 \reset@font\foottextfont
9701 \@preamfntext
9702 \protected@edef\@currentlabel{%

```



```

9703 \csname p@footnote\endcsname\@thefnmark}%
9704 \setbox0=\vbox{\hsize=\maxdimen
9705 \color@begingroup
9706 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9707 \color@endgroup}%
9708 \m@mungebox}\m@mmf@prepare}
9709 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9710 \let\bidi@RTL@everypar\@empty%
9711 \def\baselinestretch{\m@m@footnote@spacing}%
9712 \reset@font\LTRfoottextfont
9713 \@preamfntext
9714 \protected@edef\@currentlabel{%
9715 \csname p@footnote\endcsname\@thefnmark}%
9716 \setbox0=\vbox{\hsize=\maxdimen
9717 \color@begingroup
9718 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9719 \color@endgroup}%
9720 \m@mungebox}\m@mmf@prepare}
9721 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9722 \let\bidi@RTL@everypar\@empty%
9723 \def\baselinestretch{\m@m@footnote@spacing}%
9724 \reset@font\RTLfoottextfont
9725 \@preamfntext
9726 \protected@edef\@currentlabel{%
9727 \csname p@footnote\endcsname\@thefnmark}%
9728 \setbox0=\vbox{\hsize=\maxdimen
9729 \color@begingroup
9730 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9731 \color@endgroup}%
9732 \m@mungebox}\m@mmf@prepare}
9733 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
9734 \parindent=\z@
9735 \parfillskip=Opt \@plus 1fil
9736 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9737 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9738 \parindent=\z@
9739 \parfillskip=Opt \@plus 1fil
9740 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9741 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9742 \parindent=\z@
9743 \parfillskip=Opt \@plus 1fil
9744 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9745 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9746 \global\setbox\@mpfootinsv@r\vbox{%
9747 \let\bidi@RTL@everypar\@empty%
9748 \def\baselinestretch{\m@m@footnote@spacing}%
9749 \unvbox\@mpfootinsv@r
9750 \reset@font\foottextfont
9751 \hsize\columnwidth \@parboxrestore
9752 \protected@edef\@currentlabel{%

```



```

9753     \csname p@mpfootnote\endcsname\@thefnmark}%
9754     \setbox0=\vbox{\hsize=\maxdimen
9755         \color@begingroup
9756         \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9757             \color@endgroup}%
9758     \m@mungebox}\m@mmf@prepare}
9759 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9760     \global\setbox\@mpfootinsv@r\vbox{%
9761         \let\bidi@RTL@everypar\@empty%
9762         \def\baselinestretch{\m@m@footnote@spacing}%
9763         \unvbox\@mpfootinsv@r
9764         \reset@font\LTRfoottextfont
9765         \hsize\columnwidth \@parboxrestore
9766         \protected@edef\@currentlabel{%
9767             \csname p@mpfootnote\endcsname\@thefnmark}%
9768         \setbox0=\vbox{\hsize=\maxdimen
9769             \color@begingroup
9770             \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9771             \color@endgroup}%
9772     \m@mungebox}\m@mmf@prepare}
9773 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9774     \global\setbox\@mpfootinsv@r\vbox{%
9775         \let\bidi@RTL@everypar\@empty%
9776         \def\baselinestretch{\m@m@footnote@spacing}%
9777         \unvbox\@mpfootinsv@r
9778         \reset@font\RTLfoottextfont
9779         \hsize\columnwidth \@parboxrestore
9780         \protected@edef\@currentlabel{%
9781             \csname p@mpfootnote\endcsname\@thefnmark}%
9782         \setbox0=\vbox{\hsize=\maxdimen
9783             \color@begingroup
9784             \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9785             \color@endgroup}%
9786     \m@mungebox}\m@mmf@prepare}
9787 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9788     \m@make@parafootnotetext{#1}%
9789     \m@make@mpparafootnotetext{#1}%
9790     \m@make@parafootfmt{#1}%
9791     \m@make@para@footgroup{#1}%
9792     \m@make@mppara@footgroup{#1}%
9793     \m@make@para@footstart{#1}%
9794     \bidi@namelongdef{\footnotetext#1}##1{%
9795         \@nameuse{\@parafootnotetext#1}{##1}}%
9796     \bidi@namelongdef{\mpfootnotetext#1}##1{%
9797         \@nameuse{\@mpparafootnotetext#1}{##1}}%
9798     \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
9799     \@namedef{\mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
9800     \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
9801     \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9802     \expandafter\count\csname footins#1\endcsname=1000\relax

```



```

9803 {\def\baselinestretch{\m@m@footnote@spacing}%
9804 \@nameuse{foottextfont#1}%
9805 \dimen0=\baselineskip
9806 \multiply\dimen0 by 1024
9807 \divide\dimen0 by \hsize \multiply\dimen0 by 64
9808 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9809 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9810 \bidi@namelongdef{\@parafootnotetext#1}##1{%
9811 \insert\@nameuse{footins#1}{
9812 \def\baselinestretch{\m@m@footnote@spacing}%
9813 \reset@font\@nameuse{foottextfont#1}%
9814 \@preamfntext
9815 \protected@edef\@currentlabel{%
9816 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9817 \setbox0=\vbox{\hsize=\maxdimen
9818 \color@begingroup
9819 \noindent \@nameuse{@parafootfmt#1}{##1}%
9820 \color@endgroup}%
9821 \m@mungebox}\m@mmf@prepare}}
9822 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9823 \bidi@namelongdef{\@mpparafootnotetext#1}##1{%
9824 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9825 \unvbox\@nameuse{@mpfootins#1}
9826 \def\baselinestretch{\m@m@footnote@spacing}%
9827 \reset@font\@nameuse{foottextfont#1}%
9828 \hsize\columnwidth \@parboxrestore
9829 \protected@edef\@currentlabel{%
9830 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9831 \setbox0=\vbox{\hsize=\maxdimen
9832 \color@begingroup
9833 \noindent \@nameuse{@parafootfmt#1}{##1}%
9834 \color@endgroup}%
9835 \m@mungebox}\m@mmf@prepare}}
9836 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9837 \bidi@namelongdef{\@parafootfmt#1}##1{%
9838 \parindent=\z@
9839 \parfillskip=0pt \@plus 1fil
9840 {\@nameuse{footfootmark#1}\strut
9841 {\@nameuse{foottextfont#1}##1}\penalty-10}}}
9842 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9843 \@namedef{@para@footgroup#1}{%
9844 \unvbox\@nameuse{footins#1}
9845 \m@mmakehboxofhboxes
9846 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9847 \@parboxrestore%
9848 \def\baselinestretch{\m@m@footnote@spacing}%
9849 \@nameuse{foottextfont#1}%
9850 \noindent\unhbox0\par}}
9851 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9852 \@namedef{@mppara@footgroup#1}{%

```



```

9853 \unvbox\@nameuse{@mpfootins#1}
9854 \m@mmakehboxofhboxes
9855 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9856 \def\baselinestretch{\m@m@footnote@spacing}%
9857 \@nameuse{foottextfont#1}%
9858 \noindent\unhbox0\par}}
9859 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9860 \@namedef{@para@footstart#1}{%
9861 \vskip\bigskipamount
9862 \leftskip=\z@
9863 \rightskip=\z@
9864 \parindent=\z@
9865 \vskip\skip\@nameuse{footins#1}%
9866 \footnoterule}}
9867 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9868 \xdef\@freelist{\@freelist\@midlist}%
9869 \global\let\@midlist\@empty
9870 \@combinefloats}
9871 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
9872 \ifvbox\@kludgeins
9873 \@makespecialcolbox
9874 \else
9875 \setbox\@outputbox \vbox to\@colht{%
9876 \@texttop
9877 \dimen@ \dp\@outputbox
9878 \unvbox \@outputbox
9879 \vskip -\dimen@
9880 \@textbottom}%
9881 \fi}
9882 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9883 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
9884 \boxmaxdepth\@maxdepth
9885 \@tempdima\dp\@cclv
9886 \unvbox\@cclv
9887 \vskip-\@tempdima
9888 \bidi@mopfn@bottom
9889 \vskip \skip\footins
9890 \color@begingroup
9891 \normalcolor
9892 \footnoterule
9893 \unvbox \footins
9894 \color@endgroup}}
9895 \newcommand*{\bidi@mopfootnotebf}{%
9896 \setbox\@outputbox \vbox{%
9897 \boxmaxdepth\@maxdepth
9898 \unvbox\@outputbox
9899 \bidi@mopfn@bottom
9900 \vskip\skip\footins
9901 \color@begingroup
9902 \normalcolor

```



```

9903 \footnoterule
9904 \unvbox \footins
9905 \color@endgroup}}
9906 \gdef\mem@makecol{%
9907 \m@m@makecolintro
9908 \ifvoid\footins
9909 \setbox\@outputbox \box\@cclv
9910 \else
9911 \m@mopfootnote
9912 \fi
9913 \m@mdoextrafeet
9914 \m@m@makecolfloats
9915 \m@m@makecoltext
9916 \global \maxdepth \@maxdepth}
9917 \gdef\bidi@makecolbf{%
9918 \m@m@makecolintro
9919 \setbox\@outputbox \box\@cclv
9920 \m@m@makecolfloats
9921 \ifvoid\footins
9922 \else
9923 \bidi@mopfootnotebf
9924 \fi
9925 \m@mdoextrafeet
9926 \m@m@makecoltext
9927 \global \maxdepth \@maxdepth}
9928 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
9929 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
9930 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
9931 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
9932 \FeetAboveFloat
9933 \FeetBelowRagged

```

7.56 extreport-xetex-bidi.def

```

9934 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class for
9935 \renewcommand*\l@part[2]{%
9936 \ifnum \c@tocdepth >-2\relax
9937 \addpenalty{-\@highpenalty}%
9938 \addvspace{2.25em \@plus\p@}%
9939 \begingroup
9940 \setlength\@tempdima{3em}%
9941 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9942 \parfillskip -\@pnumwidth
9943 {\leavevmode
9944 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9945 \nobreak
9946 \global\@nobreaktrue
9947 \everypar{\global\@nobreakfalse\everypar{}}%
9948 \endgroup
9949 \fi}

```



```

9950 \renewcommand*\l@chapter[2]{%
9951   \ifnum \c@tocdepth >\m@ne
9952     \addpenalty{-\@highpenalty}%
9953     \vskip 1.0em \@plus\p@
9954     \setlength\@tempdima{1.5em}%
9955     \begingroup
9956       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9957       \parfillskip -\@pnumwidth
9958       \leavevmode \bfseries
9959       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9960       \hskip -\if@RTL\rightskip\else\leftskip\fi
9961       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9962       \penalty\@highpenalty
9963     \endgroup
9964   \fi}
9965 \def\@makechapterhead#1{%
9966   \vspace*{50\p@}%
9967   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9968     \ifnum \c@secnumdepth >\m@ne
9969       \huge\bfseries \@chapapp\space \thechapter
9970       \par\nobreak
9971       \vskip 20\p@
9972     \fi
9973     \interlinepenalty\@M
9974     \Huge \bfseries #1\par\nobreak
9975     \vskip 40\p@
9976   }}
9977 \def\@makeschapterhead#1{%
9978   \vspace*{50\p@}%
9979   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9980     \normalfont
9981     \interlinepenalty\@M
9982     \Huge \bfseries #1\par\nobreak
9983     \vskip 40\p@
9984   }}
9985 \renewcommand\left@footnoterule{%
9986   \kern-3\p@
9987   \hrule\@width.4\columnwidth
9988   \kern2.6\p@}
9989 \renewcommand\right@footnoterule{%
9990   \kern-3\p@
9991   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9992   \kern2.6\p@}
9993 \renewenvironment{thebibliography}[1]
9994   {\chapter*{\bibname
9995     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9996   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9997     \list{\@biblabel{\@arabic\c@enumiv}}%
9998     {\settowidth\labelwidth{\@biblabel{#1}}%
9999     \leftmargin\labelwidth

```



```

10000      \advance\leftmargin\labelsep
10001      \@openbib@code
10002      \usecounter{enumiv}%
10003      \let\p@enumiv\@empty
10004      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10005      \sloppy\clubpenalty4000\widowpenalty4000%
10006      \sfcode`.\@m}
10007      {\def\@noitemerr
10008      {\@latex@warning{Empty `thebibliography' environment}}}%
10009      \endlist}
10010 \if@titlepage
10011 \renewcommand\maketitle{\begin{titlepage}%
10012 \let\footnotesize\small
10013 \let\right@footnoterule\relax
10014 \let\left@footnoterule\relax
10015 \let\textwidth\footnoterule\relax
10016 \let \footnote \thanks
10017 \null\vfil
10018 \vskip 60\p@
10019 \begin{center}%
10020 {\LARGE \@title \par}%
10021 \vskip 3em%
10022 {\large
10023 \lineskip .75em%
10024 \begin{tabular}[t]{c}%
10025 \author
10026 \end{tabular}\par}%
10027 \vskip 1.5em%
10028 {\large \@date \par}% % Set date in \large size.
10029 \end{center}\par
10030 \@thanks
10031 \vfil\null
10032 \end{titlepage}%
10033 \setcounter{footnote}{0}%
10034 \global\let\thanks\relax
10035 \global\let\maketitle\relax
10036 \global\let\@thanks\@empty
10037 \global\let\@author\@empty
10038 \global\let\@date\@empty
10039 \global\let\@title\@empty
10040 \global\let\title\relax
10041 \global\let\author\relax
10042 \global\let\date\relax
10043 \global\let\and\relax
10044 }
10045 \else
10046 \renewcommand\maketitle{\par
10047 \begingroup
10048 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10049 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%

```




```

10050 \long\def\@makefntext##1{\parindent 1em\noindent
10051 \hb@xt@1.8em{%
10052 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10053 \if@twocolumn
10054 \ifnum \col@number=\@ne
10055 \@maketitle
10056 \else
10057 \twocolumn[\@maketitle]%
10058 \fi
10059 \else
10060 \newpage
10061 \global\@topnum\z@ % Prevents figures from going at top of page.
10062 \@maketitle
10063 \fi
10064 \thispagestyle{plain}\@thanks
10065 \endgroup
10066 \setcounter{footnote}{0}%
10067 \global\let\thanks\relax
10068 \global\let\maketitle\relax
10069 \global\let\@maketitle\relax
10070 \global\let\@thanks\@empty
10071 \global\let\@author\@empty
10072 \global\let\@date\@empty
10073 \global\let\@title\@empty
10074 \global\let\title\relax
10075 \global\let\author\relax
10076 \global\let\date\relax
10077 \global\let\and\relax
10078 }
10079 \def\@maketitle{%
10080 \newpage
10081 \null
10082 \vskip 2em%
10083 \begin{center}%
10084 \let \footnote \thanks
10085 {\LARGE \@title \par}%
10086 \vskip 1.5em%
10087 {\large
10088 \lineskip .5em%
10089 \begin{tabular}[t]{c}%
10090 \@author
10091 \end{tabular}\par}%
10092 \vskip 1em%
10093 {\large \@date}%
10094 \end{center}%
10095 \par
10096 \vskip 1.5em}
10097 \fi
10098 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10099 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

10100 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10101 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10102 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10103 \renewcommand\theequation{%
10104   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10105 \renewcommand\thefigure{%
10106   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10107 \renewcommand\thetable{%
10108   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

7.57 fancybox-xetex-bidi.def

```

10109 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
10110 \def\fancy@oval#1#2#3{%
10111   \boxmaxdepth \maxdimen
10112   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10113   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10114   \@ovxx#1\relax
10115   \advance\@ovxx-\@wholewidth
10116   \@ovyy#2\relax
10117   \advance\@ovyy-\@wholewidth
10118   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
10119   \advance\@tempdimb-2\p@
10120   \ifdim\@tempdimb>\the@cornersize\relax
10121     \@tempdimb=\the@cornersize
10122   \fi
10123   \@getcirc\@tempdimb
10124   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10125   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10126   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10127   \@circlefnt
10128   \setbox\@tempboxa\hbox{\beginL%
10129     \if@ovr \@ovvert32\kern -\@tempdima \fi
10130     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10131     \if@ovt \@ovhorz \kern -\@ovxx \fi
10132     \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10133   \advance\@ovdx\@ovro
10134   \advance\@ovdy\@ovro
10135   \advance\@ovxx\@wholewidth
10136   \wd\@tempboxa=\@ovxx
10137   \dp\@tempboxa=\z@}

```

7.58 fancyhdr-xetex-bidi.def

```

10138 \ProvidesFile{fancyhdr-xetex-bidi.def}[2016/09/12 v0.5 bidi adaptations for fancyhdr package for
10139
10140 \def\@fancyhead#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10141   \@fancyvbox\headheight{\hbox
10142     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10143     \parbox[b]{\headwidth}{\centering#3}\hfill
10144     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}\headrule}}#5}

```



```

10145
10146 \def\@fancyfoot#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10147   \@fancyvbox\footskip{\footrule
10148     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10149       \parbox[t]{\headwidth}{\centering#3}\hfill
10150       \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}}#5}
10151

```

7.59 fix2col-xetex-bidi.def

```

10152 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for X
10153 \def\RTL@outputdblcol{%
10154   \if@firstcolumn
10155     \global\@firstcolumnfalse
10156     \global\setbox\@leftcolumn\copy\@outputbox
10157     \splitmaxdepth\maxdimen
10158     \vbadness\maxdimen
10159     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10160     \toks@\expandafter{\topmark}%
10161     \xdef\@firstcoltopmark{\the\toks@}%
10162     \toks@\expandafter{\splitfirstmark}%
10163     \xdef\@firstcolfirstmark{\the\toks@}%
10164     \ifx\@firstcolfirstmark\@empty
10165       \global\let\@setmarks\relax
10166     \else
10167       \gdef\@setmarks{%
10168         \let\firstmark\@firstcolfirstmark
10169         \let\topmark\@firstcoltopmark}%
10170     \fi
10171   \else \global\@firstcolumntrue
10172   \setbox\@outputbox \vbox {\hbox to\textwidth {%
10173     \hskip \columnwidth
10174     \hfil \vrule width\columnseprule \hfil
10175     \hbox to\columnwidth {\box\@leftcolumn \hss}%
10176     \hskip -\textwidth
10177     \hbox to\columnwidth{\box\@outputbox \hss}%
10178     \hskip \columnsep
10179     \hskip \columnwidth }}%
10180   \@combinedblfloats \@setmarks \@outputpage
10181   \begingroup \@dblfloatplacement \@startdblcolumn
10182   \@whilesw\if@colmade \fi
10183   {\@outputpage \@startdblcolumn }\endgroup
10184   \fi}
10185 \def\LTR@outputdblcol{%
10186   \if@firstcolumn
10187     \global\@firstcolumnfalse
10188     \global\setbox\@leftcolumn\copy\@outputbox
10189     \splitmaxdepth\maxdimen
10190     \vbadness\maxdimen
10191     \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

10192 \toks@\expandafter{\topmark}%
10193 \xdef\@firstcoltopmark{\the\toks@}%
10194 \toks@\expandafter{\splitfirstmark}%
10195 \xdef\@firstcolfirstmark{\the\toks@}%
10196 \ifx\@firstcolfirstmark\@empty
10197   \global\let\@setmarks\relax
10198 \else
10199   \gdef\@setmarks{%
10200     \let\firstmark\@firstcolfirstmark
10201     \let\topmark\@firstcoltopmark}%
10202 \fi
10203 \else
10204   \global\@firstcolumntrue
10205   \setbox\@outputbox\vbox{%
10206     \hb@xt@\textwidth{%
10207       \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10208       \hfil
10209       \vrule \columnwidth\columnseprule
10210       \hfil
10211       \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10212 \columnwidth\columnseprule
10213 \columnwidth\columnseprule
10214 \columnwidth\columnseprule
10215 \columnwidth\columnseprule
10216 \columnwidth\columnseprule
10217 \columnwidth\columnseprule
10218 \columnwidth\columnseprule
10219 \columnwidth\columnseprule
10220 \columnwidth\columnseprule

```

7.60 fleqn-xetex-bidi.def

```

10221 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
10222 \renewcommand\[\relax
10223   \ifmmode\@badmath
10224   \else
10225     \begin{trivlist}%
10226       \beginparpenalty\predisplaypenalty
10227       \endparpenalty\postdisplaypenalty
10228       \item[]\leavevmode
10229       \hb@xt@\linewidth\beginL$\m@th\displaystyle %$
10230       \hskip\mathindent\beginL$\m@th\displaystyle %$
10231     \end{trivlist}%
10232 \renewcommand\[\relax
10233   \ifmmode
10234     \egroup $\hfil% $
10235   \endL\egroup
10236   \end{trivlist}%
10237   \else \@badmath
10238   \fi}

```



```

10239 \renewenvironment{equation}%
10240   {\@beginparpenalty\predisplaypenalty
10241    \@endparpenalty\postdisplaypenalty
10242    \refstepcounter{equation}%
10243    \trivlist \item[]\leavevmode
10244     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10245     \displaystyle
10246     \hskip\mathindent}%
10247   {$\hfil % $
10248     \displaywidth\linewidth\hbox{\@eqnnum}%
10249   \endL\egroup
10250 \endtrivlist}

```

7.61 float-xetex-bidi.def

```

10251 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
10252 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10253 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10254 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10255 \def\float@newx#1[#2]{\@ifundefined{c#1}{\newcounter{#1}[#2]%
10256   \expandafter\edef\csname the#1\endcsname{%
10257     \expandafter\noexpand\csname
10258       the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10259   {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

7.62 floatrow-xetex-bidi.def

```

10260 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
10261 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10262   \expandafter\edef\csname the\FB@captype\endcsname{%
10263     \expandafter\noexpand\csname
10264       the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}%

```

7.63 flowfram-xetex-bidi.def

```

10265 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for XeTeX]
10266 \def\@outputdblcol{%
10267   \@nxtcol=\c@thisframe
10268   \c@curpg=\c@page
10269   \@g@tnextcol{\@nxtcol}%
10270   \if@ff@nwpg % next flow frame starts on new page
10271     \global\@firstcolumntrue
10272     \setcolbox\c@thisframe
10273     \if@specialpage
10274       \global\@specialpagefalse
10275       \@nameuse{ps@\@specialstyle}\relax
10276     \fi
10277     \if@twoside
10278       \ifodd\count\z@
10279         \let\@thehead\@oddhead
10280         \let\@thefoot\@oddfoot
10281       \else

```



```

10282     \let\@thehead\@evenhead
10283     \let\@thefoot\@evenfoot
10284     \fi
10285   \else
10286     \let\@thehead\@oddhead
10287     \let\@thefoot\@oddfoot
10288   \fi
10289   \@begindvi
10290   \@dynamictthehead\@dynamictthefoot
10291   \vbadness=\@M
10292   \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10293   \@combinedblfloats
10294   \@outputpage
10295   \advance\c@curpg by -\c@page\relax
10296   \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10297     \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10298   \@outputpage}
10299   \begingroup
10300     \@dblfloatplacement
10301     \@startdblcolumn
10302     \@whilesw \if@fcolmade \fi
10303     {\@outputpage \@startdblcolumn }\endgroup
10304   \@resetst@tics
10305   \@resetdyn@mics
10306 \else % still on same page, save contents of box255
10307   \global\@firstcolumnfalse
10308   \@setcolbox\c@thisframe
10309 \fi
10310 \global\c@thisframe=\@nxtcol
10311 \@setcol{\c@thisframe}\relax
10312 \global\@colht\vsiz
10313 }
10314 \def\@outputpage{%
10315 \begingroup
10316   \let\protect\noexpand
10317   \@resetactivechars
10318   \global\let\@if@newlist\if@newlist
10319   \global\@newlistfalse\@parboxrestore
10320   \shipout\vbox{\set@typeset@protect
10321     \aftergroup
10322     \endgroup
10323     \aftergroup
10324     \set@typeset@protect
10325     \reset@font\normalsize\normalsfcodes
10326     \let\label\@gobble
10327     \let\index\@gobble
10328     \let\glossary\@gobble
10329     \baselineskip\z@skip
10330     \lineskip\z@skip
10331     \lineskiplimit\z@

```



```

10332 \vskip\topmargin\moveright\@themargin
10333 \vbox{%
10334     \vskip\headheight
10335     \vskip\headsep
10336     \box\@outputbox
10337 }}%
10338 \global\let\if@newlist\@if@newlist
10339 \stepcounter{page}%
10340 \setcounter{displayedframe}{0}%
10341 \let\firstmark\botmark}
10342
10343
10344 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{ }{%
10345 \expandafter\bidicolor\ff@txtcol}}
10346
10347 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10348 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
10349
10350
10351 \renewcommand*{\@docolbox}[1]{%
10352 \edef\ff@frametype{%
10353 \csname @ff@frametype@\romannumeral#1\endcsname}%
10354 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10355 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10356 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10357 \@ff@setoffset{#1}%
10358 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10359 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
10360 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10361 {\csname colheight\romannumeral#1\endcsname}{%
10362 \expandafter\box\csname column\romannumeral#1\endcsname}{%
10363 \csname\ff@frametype\endcsname}%
10364 }{%
10365 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10366 {\csname colheight\romannumeral#1\endcsname}{%
10367 \expandafter\box\csname column\romannumeral#1\endcsname}%
10368 }}}
10369 \ifclassloaded{book}{%
10370 \renewcommand\theequation
10371 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10372 \renewcommand \thefigure
10373 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10374 \renewcommand \thetable
10375 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10376 \renewcommand \thechapter {\@arabic\c@chapter}
10377 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10378 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10379 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10380 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10381 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}}%

```



```

10382 \@ifclassloaded{report}{%
10383 \renewcommand\theequation
10384 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10385 \renewcommand \thefigure
10386 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10387 \renewcommand \thetable
10388 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10389 \renewcommand \thechapter {\@arabic\c@chapter}
10390 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10391 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10392 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10393 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10394 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10395 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10396 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10397 \else
10398 #2\relax
10399 \fi}

```

7.64 footnote-xetex-bidi.def

```

10400 \ProvidesFile{footnote-xetex-bidi.def}[2016/09/09 v1.0 bidi footnote macros for XeTeX engine]
10401 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10402 \newif\ifbidi@autofooterule
10403 \def\bidi@mpfootnoterule{\footnoterule}
10404 \newcounter{footdir@label}
10405 \renewcommand*{\thefootdir@label}{footdir@\the\value{footdir@label}}
10406 \newcommand*{\footdir@write}{%
10407 \stepcounter{footdir@label}%
10408 \zref@labelbyprops{\thefootdir@label}{abspage}%
10409 }
10410 \newif\iffootdir@debug
10411 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10412 \newtoks\footdir@toks
10413 \newcommand*{\footdir@debug}[1]{%
10414 \iffootdir@debug
10415 \typeout{[footdir] #1}%
10416 \fi
10417 }
10418 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
10419 % \newcommand*{\footdir@LeftRightElse}{%
10420 % \ltx@ifundefined{footdir@\the\value{zabspage}}{%
10421 % \footdir@debug{abspage \the\value{zabspage}: else}%
10422 % \ltx@thirdofthree
10423 % }{%
10424 % \if\csname footdir@\the\value{zabspage}\endcsname L%
10425 % \footdir@debug{abspage \the\value{zabspage}: left}%
10426 % \expandafter\ltx@firstofthree
10427 % \else
10428 % \footdir@debug{abspage \the\value{zabspage}: right}%

```




```

10429 %           \expandafter\ltx@secondofthree
10430 %           \fi
10431 %       }%
10432 %   }%
10433 %}{%
10434 \providecommand*{\c@zabspage}{\c@abspage}%
10435 \newcommand*{\footdir@LeftRightElse}{%
10436   \footdir@write
10437   \zifrefundefined{\thefootdir@label}{%
10438     \footdir@debug{abspage ??: else}%
10439     \ltx@thirdofthree
10440   }{%
10441     \edef\footdir@abspage{%
10442       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10443     }%
10444     \ltx@ifundefined{footdir@\footdir@abspage}{%
10445       \footdir@debug{\footdir@abspage: else}%
10446       \ltx@thirdofthree
10447     }{%
10448       \if\csname footdir@\footdir@abspage\endcsname L%
10449         \footdir@debug{\footdir@abspage: left}%
10450         \expandafter\ltx@firstofthree
10451       \else
10452         \footdir@debug{\footdir@abspage: right}%
10453         \expandafter\ltx@secondofthree
10454       \fi
10455     }%
10456   }%
10457 }%
10458 %}
10459 \newcommand*{\footdir@fntext}[1]{%
10460   \zifrefundefined{\thefootdir@label}{%
10461     }{%
10462       \edef\footdir@name{%
10463         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10464       }%
10465       \@ifundefined{\footdir@name}{%
10466         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10467       }{%
10468     }%
10469   }
10470 }
10471 \newcommand*{\footdir@temp}[3]{%
10472   \@ifdefinable{#1}{%
10473     \let#1#2%
10474     \renewcommand{#2}[1]{%
10475       \footdir@write
10476       \footdir@fntext{#3}%
10477       \stepcounter{footdir@label}%
10478       \footdir@fntext{#3}%

```



```

10479 \footdir@toks{##1}%
10480 \footdir@toks\expandafter{%
10481 \the\expandafter\footdir@toks
10482 \expandafter
10483 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10484 }%
10485 \expandafter#1\expandafter{\the\footdir@toks}%
10486 }%
10487 }%
10488 }
10489
10490 \def\right@footnoterule{%
10491 \kern-3\p@
10492 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10493 \kern2.6\p@}
10494 \def\left@footnoterule{\kern-3\p@
10495 \hrule \@width .4\columnwidth \kern 2.6\p@}
10496 \def\textwidth@footnoterule{\kern-3\p@
10497 \hrule \@width \columnwidth \kern 2.6\p@}
10498 \def\leftfootnoterule{%
10499 \bidi@autofootnoterulefalse%
10500 \def\footnoterule{\left@footnoterule}}
10501 \let\LRfootnoterule=\leftfootnoterule
10502 \def\rightfootnoterule{%
10503 \bidi@autofootnoterulefalse%
10504 \def\footnoterule{\right@footnoterule}}
10505 \def\textwidthfootnoterule{%
10506 \bidi@autofootnoterulefalse%
10507 \def\footnoterule{\textwidth@footnoterule}}
10508
10509
10510
10511 \def\auto@footnoterule{%
10512 \footdir@LeftRightElse%
10513 \left@footnoterule%
10514 \right@footnoterule%
10515 \left@footnoterule%
10516 }
10517
10518
10519
10520 \def\autofootnoterule{%
10521 \bidi@autofootnoteruletrue%
10522 \def\footnoterule{\auto@footnoterule}%
10523 }
10524
10525 \newcommand*{\SplitFootnoteRule}{%
10526 \gdef\split@prev{0}
10527 \let\pagefootnoterule\footnoterule
10528 \let\mpfootnoterule\footnoterule

```



```

10529 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10530 \def\footnoterule{\relax
10531   \ifx \@listdepth\@mplistdepth
10532     \mpfootnoterule
10533   \else
10534     \ifnum\split@prev=\z@
10535       \pagefootnoterule
10536     \else
10537       \splitfootnoterule
10538     \fi
10539   \xdef\split@prev{\the\insertpenalties}%
10540 \fi
10541 }%
10542 }
10543
10544
10545
10546
10547 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10548   \protected@xdef\@thefnmark{\thempfn}%
10549   \@footnotemark\@RTLfootnotetext}}
10550 \def\@xRTLfootnote[#1]{%
10551   \begingroup
10552     \csname c@\@mpfn\endcsname #1\relax
10553     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10554   \endgroup
10555   \@footnotemark\@RTLfootnotetext}
10556 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10557   \protected@xdef\@thefnmark{\thempfn}%
10558   \@footnotemark\@LTRfootnotetext}}
10559 \def\@xLTRfootnote[#1]{%
10560   \begingroup
10561     \csname c@\@mpfn\endcsname #1\relax
10562     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10563   \endgroup
10564   \@footnotemark\@LTRfootnotetext}
10565
10566
10567 \def\setfootnoteRL{\@RTL@footnotetrue}
10568 \def\unsetfootnoteRL{\@RTL@footnotefalse}
10569 \def\setfootnoteLR{\unsetfootnoteRL}
10570
10571 \long\def\@footnotetext#1{\insert\footins{%
10572   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10573   \reset@font\footnotesize
10574   \interlinepenalty\interfootnotelinepenalty
10575   \splittopskip\footnotesep
10576   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10577   \hsize\columnwidth \@parboxrestore
10578   \protected@edef\@currentlabel{%

```



```

10579      \csname p@footnote\endcsname\@thefnmark
10580    }%
10581    \color@begingroup
10582      \@makefnmark{%
10583        \rule{z@}{footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
10584    \color@endgroup}}%
10585
10586
10587 \long\def\@RTLfootnotetext#1{\insert\footins{%
10588   \@RTLtrue%
10589   \reset@font\footnotesize
10590   \interlinepenalty\interfootnotelinepenalty
10591   \splittopskip\footnotesep
10592   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10593   \hsize\columnwidth \@parboxrestore
10594   \protected@edef\@currentlabel{%
10595     \csname p@footnote\endcsname\@thefnmark
10596   }%
10597   \color@begingroup
10598     \@makefnmark{%
10599       \rule{z@}{footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
10600   \color@endgroup}}%
10601
10602 \long\def\@LTRfootnotetext#1{\insert\footins{%
10603   \@RTLfalse%
10604   \reset@font\footnotesize
10605   \interlinepenalty\interfootnotelinepenalty
10606   \splittopskip\footnotesep
10607   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10608   \hsize\columnwidth \@parboxrestore
10609   \protected@edef\@currentlabel{%
10610     \csname p@footnote\endcsname\@thefnmark
10611   }%
10612   \color@begingroup
10613     \@makefnmark{%
10614       \rule{z@}{footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
10615   \color@endgroup}}%
10616
10617 \AtBeginDocument{%
10618 \if@RTL@footnote
10619   \newcommand*{\bidi@footdir@footnote}{R}
10620 \else
10621   \newcommand*{\bidi@footdir@footnote}{L}
10622 \fi%
10623 }
10624
10625 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10626 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10627 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10628

```



```

10629 \long\def\@mpRTLfootnotetext#1{%
10630 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
10631 \global\setbox\@mpfootins\vbox{\@RTLtrue%
10632 \unvbox\@mpfootins
10633 \reset@font\footnotesize
10634 \hsize\columnwidth
10635 \@parboxrestore
10636 \protected@edef\@currentlabel
10637 {\csname p@mpfootnote\endcsname\@thefnmark}%
10638 \color@begingroup
10639 \makefnmark{\rule{z@footnotesep}{\ignorespaces#1}\@finalstrut\strutbox}}%
10640 \color@endgroup}}
10641 \long\def\@mpLTRfootnotetext#1{%
10642 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
10643 \global\setbox\@mpfootins\vbox{\@RTLfalse%
10644 \unvbox\@mpfootins
10645 \reset@font\footnotesize
10646 \hsize\columnwidth
10647 \@parboxrestore
10648 \protected@edef\@currentlabel
10649 {\csname p@mpfootnote\endcsname\@thefnmark}%
10650 \color@begingroup
10651 \makefnmark{\rule{z@footnotesep}{\ignorespaces#1}\@finalstrut\strutbox}}%
10652 \color@endgroup}}
10653 \long\def\@mpfootnotetext#1{%
10654 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
10655 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10656 \unvbox\@mpfootins
10657 \reset@font\footnotesize
10658 \hsize\columnwidth
10659 \@parboxrestore
10660 \protected@edef\@currentlabel
10661 {\csname p@mpfootnote\endcsname\@thefnmark}%
10662 \color@begingroup
10663 \makefnmark{\rule{z@footnotesep}{\ignorespaces#1}\@finalstrut\strutbox}}%
10664 \color@endgroup}}
10665 \def\@iiiminipage#1#2[#3]#4{%
10666 \leavevmode
10667 \pboxswfalse
10668 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10669 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10670 \setlength\@tempdima{#4}%
10671 \def\@mpargs{{#1}{#2}{#3}{#4}}%
10672 \setbox\@tempboxa\vbox\bgroup
10673 \color@begingroup
10674 \hsize\@tempdima
10675 \textwidth\hsize \columnwidth\hsize

```



```

10679      \@parboxrestore
10680      \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10681      \let\@footnotetext\@mpfootnotetext
10682      \let\@LTRfootnotetext\@mpLTRfootnotetext
10683      \let\@RTLfootnotetext\@mpRTLfootnotetext
10684      \let\@listdepth\@mplistdepth \@mplistdepth\z@
10685      \@minipagerestore
10686      \@setminipage}
10687 \def\endminipage{%
10688     \par
10689     \unskip
10690     \ifvoid\@mpfootins\else
10691       \vskip\skip\@mpfootins
10692       \normalcolor
10693       \bidi@mpfootnoterule
10694       \unvbox\@mpfootins
10695     \fi
10696     \@minipagefalse %% added 24 May 89
10697 \color@endgroup
10698 \egroup
10699 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
10700 \def\LTRthanks#1{\footnotemark
10701     \protected@xdef\@thanks{\@thanks
10702         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10703 }
10704 \def\LTRfootnotetext{%
10705     \@ifnextchar [\@xLTRfootnotenext
10706     {\protected@xdef\@thefnmark{\thempfn}%
10707     \@LTRfootnotetext}}
10708 \def\@xLTRfootnotenext[#1]{%
10709     \begingroup
10710     \csname c@\@mpfn\endcsname #1\relax
10711     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10712     \endgroup
10713     \@LTRfootnotetext}
10714 \def\RTLthanks#1{\footnotemark
10715     \protected@xdef\@thanks{\@thanks
10716         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10717 }
10718 \let\@thanks\@empty
10719 \def\RTLfootnotetext{%
10720     \@ifnextchar [\@xRTLfootnotenext
10721     {\protected@xdef\@thefnmark{\thempfn}%
10722     \@RTLfootnotetext}}
10723 \def\@xRTLfootnotenext[#1]{%
10724     \begingroup
10725     \csname c@\@mpfn\endcsname #1\relax
10726     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10727     \endgroup
10728     \@RTLfootnotetext}

```



10729 \leftfootnoterule

7.65 framed-xetex-bidi.def

```
10730 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10731 \renewcommand\TitleBarFrame[3][\begingroup
10732 \ifx\delimiter#1\delimiter
10733 \let\TF@conlab\@empty
10734 \else
10735 \def\TF@conlab{% continuation label
10736 \nointerlineskip
10737 \smash{\rlap{\kern\wd\@tempboxa\kern\fb@rule\kern\fb@sep #1}}}%
10738 \fi
10739 %\let\TF@savecolor\current@color
10740 \textcolor{TF@FrameColor}{%
10741 \CustomFBox
10742 {\TF@Title{#2}}{\TF@conlab}%
10743 \fb@rule\fb@rule\fb@rule\fb@rule
10744 %{\let\current@color\TF@savecolor\set@color #3}%
10745 {\normalcolor #3}%
10746 }\endgroup
10747 }
10748 \renewenvironment{titled-frame}[1]{%
10749 \def\FrameCommand{\fb@sep8pt\fb@rule2pt
10750 \TitleBarFrame{\textbf{#1}}}%
10751 \def\FirstFrameCommand{\fb@sep8pt\fb@rule2pt
10752 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
10753 \def\MidFrameCommand{\fb@sep8pt\fb@rule2pt
10754 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1} (cont)}}
10755 \def\LastFrameCommand{\fb@sep8pt\fb@rule2pt
10756 \TitleBarFrame{\textbf{#1} (cont)}}}%
10757 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10758 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10759 % could interfere with the width measurement.
10760 {\endMakeFramed}
10761 \chardef\FrameRestore=\catcode`\| % for debug
10762 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10763 \def\fb@put@frame#1#2{\relax
10764 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
10765 | \message{===== Entering putframe =====^~J
10766 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
10767 \ifinner
10768 \fb@putboxa#1%
10769 \fb@afterframe
10770 \else
10771 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10772 \ifdim\dimen@<2\baselineskip % Too little room on page
10773 | \message{Page has only \the\dimen@space room left; eject.}%
10774 \eject \fb@adjheight \fb@put@frame#1#2%
10775 \else % there's appreciable room left on the page
```



```

10776 \fb@sizeofframe#1%
10777 | \message{\string\pagetotal=\the\pagetotal,
10778 | \string\pagegoal=\the\pagegoal,
10779 | \string\pagestretch=\the\pagestretch,
10780 | \string\pageshrink=\the\pageshrink,
10781 | \string\fb@frh=\the\fb@frh. \space}
10782 | \message{^^JBox of size \the\ht\@tempboxa\space}%
10783 \beginingroup % temporarily set \dimen@ to be...
10784 \advance\dimen@.8\pageshrink % maximum space available on page
10785 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10786 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10787 \expandafter\endgroup
10788 % expand \ifdim, then restore \dimen@ to real room left on page
10789 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10790 | \message{fits in \the\dimen@. }%
10791 % ToDo: Change this to use vsplit anyway to capture the marks
10792 % MERGE THIS WITH THE else CLAUSE!!!
10793 \fb@putboxa#1%
10794 \fb@afterframe
10795 \else % box must be split
10796 | \message{must be split to fit in \the\dimen@. }%
10797 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10798 \fb@sizeofframe#2%
10799 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10800 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10801 \kern137sp\kern-137sp\penalty-30
10802 \unvbox\@tempboxa}%
10803 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10804 \splittopskip\the\splittopskip}%
10805 \boxmaxdepth\z@ \splittopskip\z@
10806 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10807 % Split box here
10808 \setbox\tw@vsplit\@tempboxa to\dimen@
10809 | \toks99\expandafter{\splitfirstmark}%
10810 | \toks98\expandafter{\splitbotmark}%
10811 \message{Marks are: \the\toks99, \the\toks98. }%
10812 \setbox\tw@vbox{\unvbox\tw@}% natural-sized
10813 | \message{Natural height of split box is \the\ht\tw@, leaving
10814 | \the\ht\@tempboxa\space remainder. }%
10815 % If the split-to size > (\vsize-\topskip), then set box to full size.
10816 \beginingroup
10817 \advance\dimen@\topskip
10818 \expandafter\endgroup
10819 \ifdim\dimen@>\pagegoal
10820 | \message{Frame is big -- Use up the full column. }%
10821 \dimen@ii\pagegoal
10822 \advance\dimen@ii -\topskip
10823 \advance\dimen@ii \FrameHeightAdjust\relax
10824 \else % suspect this is implemented incorrectly:
10825 % If the split-to size > feasible room_on_page, rebox it smaller.

```




```

10826         \advance\dimen@.8\pageshrink
10827         \ifdim\ht\tw@>\dimen@
10828 |         \message{Box too tall; rebox it to \the\dimen@. }%
10829         \dimen@ii\dimen@
10830         \else % use natural size
10831         \dimen@ii\ht\tw@
10832         \fi
10833     \fi
10834     % Re-box contents to desired size \dimen@ii
10835     \advance\dimen@ii -\fb@frh
10836     \setbox\tw@\vbox to\dimen@ii \bgroup
10837     % remove simulated frame and page flexibility:
10838     \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10839     \unvbox\tw@ \unpenalty\unpenalty
10840     \ifdim\lastkern=-137sp % whole box went to next page
10841 |         \message{box split at beginning! }%
10842         % need work here???
10843     \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10844     \fb@adjheight
10845     \fb@put@frame#1#2% INSERTED ???
10846     \else % Got material split off at the head
10847     \egroup \fb@resto@set
10848     \ifvoid\@tempboxa % it all fit after all
10849 |         \message{box split at end! }%
10850         \setbox\@tempboxa\box\tw@
10851         \fb@putboxa#1%
10852         \fb@afterframe
10853     \else % it really did split
10854 |         \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
10855         \ifdim\wd\tw@>\z@
10856         \wd\tw@\wd\@tempboxa
10857         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10858         \else
10859 |         \message{Zero width means likely blank. Don't frame it (guess)}%
10860         \box\tw@
10861         \fi
10862         \hrule \@height\z@ \@width\hsize
10863         \eject
10864         \fb@adjheight
10865         \fb@put@frame\LastFrameCommand\MidFrameCommand
10866     \fi\fi\fi\fi\fi
10867 }
10868 \def\fb@putboxa#1{%
10869     \ifvoid\@tempboxa
10870     \PackageWarning{framed}{Boxa is void -- discard it. }%
10871     \else
10872 |     \message{Frame and place boxa. }%
10873 |     %{\showoutput\showbox\@tempboxa}%
10874     \centerline{#1{\hboxL{\box\@tempboxa}}}%
10875     \fi

```



```

10876 }
10877 \catcode`\|=\FrameRestore
10878 \def\FrameRestore{%
10879   \let\if@nobreak\iffalse
10880   \let\if@noskipsec\iffalse
10881   \let\-\@dischyph
10882   \let\'\@acci\let\`\@accii\let\=\@acciii
10883   % \message{FrameRestore:
10884   %   \@totalleftmargin=\the \@totalleftmargin,
10885   %   \rightmargin=\the\rightmargin,
10886   %   \@listdepth=\the\@listdepth. }%
10887   % Test if we are in a list (or list-like paragraph)
10888   \ifnum \ifdim \@totalleftmargin>\z@ 1\fi
10889     \ifdim \rightmargin>\z@ 1\fi
10890     \ifnum \@listdepth>\z@ 1\fi 0>\z@
10891   %   \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10892   %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10893   %   \labelwidth=\the\labelwidth. }%
10894   \@setminipage % snug fit around the item
10895   % Now try to propagate changes of width from \hsize to list parameters.
10896   % This is deficient, but a more advanced way to indicate modification to text
10897   % dimensions is not (yet) provided; in particular, no separate left/right
10898   % adjustment.
10899   \advance\linewidth-\columnwidth \advance\linewidth\hsize
10900   \parshape\@ne \@totalleftmargin \linewidth
10901 \else % Not in list
10902   \linewidth=\hsize
10903   %\message{No list, set \string\linewidth=\the\hsize. }%
10904 \fi
10905 \sloppy
10906 }

```

7.66 ftnright-xetex-bidi.def

```

10907 \ProvidesFile{ftnright-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for ftnright package for
10908
10909 \def\LTR@outputdblcol{%
10910   \if@firstcolumn
10911     \global\@firstcolumnfalse
10912     \global\setbox\@leftcolumn\copy\@outputbox
10913     \global\count\footins\@m
10914     \global\skip\footins\rcol\footinsskip
10915     \splitmaxdepth\maxdimen
10916     \vbadness\maxdimen
10917     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10918     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10919     \toks@\expandafter{\topmark}%
10920     \xdef\@firstcoltopmark{\the\toks@}%
10921     \toks@\expandafter{\splitfirstmark}%
10922     \xdef\@firstcolfirstmark{\the\toks@}%

```



```

10923 \ifx\@firstcolfirstmark\@empty
10924 \global\let\@setmarks\relax
10925 \else
10926 \gdef\@setmarks{%
10927 \let\firstmark\@firstcolfirstmark
10928 \let\topmark\@firstcoltopmark}%
10929 \fi
10930 \else
10931 \preparefootins
10932 \global\@firstcolumntrue
10933 \setbox\@outputbox\vbox{%
10934 \hb@xt@\textwidth{%
10935 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10936 \hfil
10937 {\normalcolor\vrule \@width\columnseprule}%
10938 \hfil
10939 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10940 \@combinedblfloats
10941 \setmarks
10942 \outputpage
10943 \begingroup
10944 \@dblfloatplacement
10945 \@startdblcolumn
10946 \@whiles\if@colmade \fi{\@outputpage
10947 \@startdblcolumn}%
10948 \endgroup
10949 \fi}%
10950
10951
10952
10953 \def\RTL@outputdblcol{%
10954 \if@firstcolumn
10955 \global\@firstcolumnfalse
10956 \global\setbox\@leftcolumn\copy\@outputbox
10957 \global\count\footins\@m
10958 \global\skip\footins\rcol@footinsskip
10959 \splitmaxdepth\maxdimen
10960 \vbadness\maxdimen
10961 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10962 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10963 \toks@\expandafter{\topmark}%
10964 \xdef\@firstcoltopmark{\the\toks@}%
10965 \toks@\expandafter{\splitfirstmark}%
10966 \xdef\@firstcolfirstmark{\the\toks@}%
10967 \ifx\@firstcolfirstmark\@empty
10968 \global\let\@setmarks\relax
10969 \else
10970 \gdef\@setmarks{%
10971 \let\firstmark\@firstcolfirstmark
10972 \let\topmark\@firstcoltopmark}%

```



7.67 graphicx-xetex-bidi.def

bidi implementation 251



```

11020 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11021 \ifdim#2\p@<\z@
11022 \ht\tw@-#2\dp\z@
11023 \dp\tw@-#2\ht\z@
11024 \else
11025 \ht\tw@#2\ht\z@
11026 \dp\tw@#2\dp\z@
11027 \fi
11028 \ifdim#1\p@<\z@
11029 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11030 \else
11031 \wd\tw@#1\wd\z@
11032 \box\tw@
11033 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11034 \def\Gin@iii[#1,#2][#3,#4]#5{%
11035 \begingroup
11036 \ifmmode\else\if@RTL\beginL\fi\fi
11037 \Gin@bbboxtrue
11038 \Gin@defaultbp\Gin@llx{#1}%
11039 \Gin@defaultbp\Gin@lly{#2}%
11040 \Gin@defaultbp\Gin@urx{#3}%
11041 \Gin@defaultbp\Gin@ury{#4}%
11042 \Gin@include@graphics{#5}%
11043 \ifmmode\else\if@RTL\endL\fi\fi
11044 \endgroup}
11045 \def\Gin@ii[#1]#2{%
11046 \def\@tempa{[]}\def\@tempb{#2}%
11047 \ifx\@tempa\@tempb
11048 \def\@tempa{\Gin@iii[#1] []}%
11049 \expandafter\@tempa
11050 \else
11051 \begingroup
11052 \ifmmode\else\if@RTL\beginL\fi\fi
11053 \@tempswafalse
11054 \toks@{\Gin@include@graphics{#2}}%
11055 \setkeys{Gin}{#1}%
11056 \Gin@esetsize
11057 \the\toks@
11058 \ifmmode\else\if@RTL\endL\fi\fi
11059 \endgroup
11060 \fi}
11061 \def\reflectbox{\bidiGscale@box-1[1]}
11062 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11063 \leavevmode
11064 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11065 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11066 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11067 \ifdim#2\p@<\z@
11068 \ht\tw@-#2\dp\z@
11069 \dp\tw@-#2\ht\z@

```



```

11070 \else
11071   \ht\tw@#2\ht\z@
11072   \dp\tw@#2\dp\z@
11073 \fi
11074 \ifdim#1\p@<\z@
11075   \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@hss}%
11076 \else
11077   \wd\tw@#1\wd\z@
11078   \box\tw@
11079 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11080 \def\scalebox#1{%
11081   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
11082 \def\resizebox{%
11083   \leavevmode
11084   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11085 \def\bidiGscale@@box#1#2#3{%
11086   \let\@tempa\Gin@exclamation
11087   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11088   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11089   \ifx\@tempb\@tempa
11090     \ifx\@tempc\@tempa
11091       \toks@{\mbox}%
11092     \else
11093       \toks@{\bidiGscale@box@dd{#3}#1}%
11094     \fi
11095   \else
11096     \ifx\@tempc\@tempa
11097       \toks@{\bidiGscale@box@dd{#2}\width}%
11098     \else
11099       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11100     \fi
11101   \fi
11102   \the\toks@}
11103 \long\def\bidiGscale@box@dd#1#2#3{%
11104   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11105   \setlength\@tempdima{#1}%
11106   \setlength\@tempdimb{#2}%
11107   \Gscale@div\@tempa\@tempdima\@tempdimb
11108   \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11109   \@end@tempboxa}
11110 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
11111   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11112   \setlength\@tempdima{#1}%
11113   \setlength\@tempdimb{#2}%
11114   \Gscale@div\@tempa\@tempdima\@tempdimb
11115   \setlength\@tempdima{#3}%
11116   \setlength\@tempdimb{#4}%
11117   \Gscale@div\@tempb\@tempdima\@tempdimb
11118   \ifGin@iso
11119     \ifdim\@tempa\p@>\@tempb\p@

```



```

11120         \let\@tempa\@tempb
11121         \else
11122         \let\@tempb\@tempa
11123         \fi
11124     \fi
11125     \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11126 \end@tempboxa}

```

7.68 geometry-xetex-bidi.def

```

11127 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for X
11128 \renewcommand*{\Gm@vrules@mpi}{%
11129 \if@RTLmain%
11130     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11131     \llap{\Gm@vrule}\ignorespaces
11132     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11133     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11134 \else%
11135     \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11136     \hskip \textwidth\Gm@vrule\hskip \marginparsep
11137     \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11138 \renewcommand*{\Gm@vrules@mpii}{%
11139 \if@RTLmain%
11140     \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11141     \hskip \textwidth\Gm@vrule\hskip \marginparsep
11142     \llap{\Gm@vrule}\hfil\Gm@vrule}%
11143 \else%
11144     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11145     \llap{\Gm@vrule}\ignorespaces
11146     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11147     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11148

```

7.69 hvfloat-xetex-bidi.def

```

11149 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
11150 \def\do@hvFloat[#1]#2#3{%
11151 \def\hv@shortCap{#1}
11152 \def\hv@longCap{#2}
11153 \def\hv@label{#3}
11154 %\newcommand*{\hvFloat}[5][ ]{%
11155 % [#1]: keyvalues
11156 % #2: type figure | table | ...
11157 % #3: float contents
11158 % [#4]: short caption
11159 % #5: caption
11160 % #6: label
11161 % \setDefault%
11162 % \def\@tempa{#1}%
11163 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11164 \def\@tempa{90}%

```



```

11165 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11166 \else \setlength{\hvMaxCapWidth}{\linewidth}
11167 \fi
11168 %
11169 % First we save the object in \hvObjectBox
11170 %
11171 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11172 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11173 \else
11174 \savebox{\hvObjectBox}{%
11175 \rotatebox{\hvSet@objectAngle}{%
11176 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11177 \fi
11178 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11179 %
11180 % Now we save the caption with its defined \hvCapWidth
11181 %
11182 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11183 \else
11184 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11185 \else
11186 \setlength{\hvCapWidth}{\hvObjectWidth}
11187 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11188 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11189 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11190 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11191 \else
11192 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11193 \fi
11194 \fi
11195 \fi
11196 %
11197 % now we have the object and the caption with the right
11198 % rotated angles saved in boxes
11199 %
11200 \def\fps@figure{\hvSet@floatPos}
11201 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11202 \else \begin{\hv@floatType}% Start the floating environment
11203 \fi%
11204 \saveCaptionSkip% we put this space ourselves
11205 \ifx\hvSet@capAngle\hv@Width % need rotation?
11206 \sbox{\hvCaptionBox}{%
11207 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11208 \ifhv@nonFloat%
11209 \ifhv@onlyText#2%
11210 \else%
11211 \ifx\hv@floatType\hv@figure
11212 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
11213 \else
11214 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%

```




```

11215 \fi
11216 \fi
11217 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11218 \fi%
11219 \label{#3}%
11220 \end{minipage}%
11221 }%
11222 \else%
11223 \sbox{\hvCaptionBox}{%
11224 \rotatebox{\hvSet@capAngle}{%
11225 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11226 \ifhv@nonFloat%
11227 \ifhv@onlyText#2%
11228 \else%
11229 \ifx\hv@floatType\hv@figure
11230 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11231 \else
11232 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11233 \fi
11234 \fi
11235 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11236 \fi%
11237 \label{#3}%
11238 \end{minipage}%
11239 }%
11240 }%
11241 \fi%
11242 %%
11243 \restoreCaptionSkip% save old values
11244 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
11245 \else%
11246 \ifx\hvSet@objectPos\hv@Center
11247 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11248 \fi%
11249 \fi%
11250 %
11251 % to rotate object and caption together, we save all in another box
11252 % the caption comes first, if its on the left or the top
11253 %
11254 \savebox{\@tempboxa}{%
11255 \ifx\hvSet@capPos\hv@Left % caption on left side
11256 \if@RTL%
11257 \ifx\hvSet@capVPos\hv@Center%
11258 \ifhv@fbox
11259 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11260 \else
11261 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11262 \fi%
11263 \hspace{\hvSet@floatCapSep pt}%
11264 \ifhv@fbox

```



```

11265 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11266 \else
11267 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11268 \fi%
11269 \else%
11270 \ifx\hvSet@capVPos\hv@Top
11271 \ifhv@fbox
11272 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11273 \else
11274 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11275 \fi%
11276 \hspace{\hvSet@floatCapSep pt}%
11277 \ifhv@fbox
11278 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11279 \else
11280 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11281 \fi
11282 \else
11283 \ifhv@fbox
11284 \fbox{\usebox{\hvObjectBox}}%
11285 \else
11286 \usebox{\hvObjectBox}%
11287 \fi
11288 \hspace{\hvSet@floatCapSep pt}%
11289 \ifhv@fbox
11290 \fbox{\usebox{\hvCaptionBox}}%
11291 \else
11292 \usebox{\hvCaptionBox}%
11293 \fi%
11294 \fi%
11295 \fi%
11296 \else% not RTL
11297 \ifx\hvSet@capVPos\hv@Center%
11298 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11299 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11300 \fi%
11301 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11302 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11303 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11304 \fi%
11305 \else%
11306 \ifx\hvSet@capVPos\hv@Top % caption at top
11307 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11308 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11309 \fi
11310 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11311 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11312 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11313 \fi%
11314 \else% caption on bottom

```



```

11315     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11316         \else\usebox{\hvCaptionBox}
11317     \fi%
11318     \hspace{\hvSet@floatCapSep pt}%
11319     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11320     \else     \usebox{\hvObjectBox}
11321     \fi%
11322     \fi%
11323 \fi% end of RTL
11324 \fi%
11325 \else
11326 \ifx\hvSet@capPos\hv@Top
11327 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11328 \begin{minipage}{\wd\hvCaptionBox}
11329 \else
11330 \begin{minipage}{\wd\hvObjectBox}
11331 \fi
11332 \centering
11333 \ifhv@fbox
11334 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11335 \fbbox{\usebox{\hvObjectBox}}
11336 \else
11337 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11338 \usebox{\hvObjectBox}
11339 \fi%
11340 \end{minipage}
11341 \else
11342 \ifx\hvSet@capPos\hv@Bottom
11343 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11344 \begin{minipage}{\wd\hvCaptionBox}
11345 \else
11346 \begin{minipage}{\wd\hvObjectBox}
11347 \fi
11348 \centering
11349 \ifhv@fbox
11350 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11351 \fbbox{\usebox{\hvCaptionBox}}
11352 \else
11353 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11354 \usebox{\hvCaptionBox}
11355 \fi%
11356 \end{minipage}
11357 \else% the last option: put the caption on the right
11358 \if@RTL%
11359     \ifx\hvSet@capVPos\hv@Center%
11360     \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11361         \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11362         \fi%
11363     \hspace{\hvSet@floatCapSep pt}% capfloatsep
11364     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}

```



```

11365 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11366 \fi%
11367 \else%
11368 \ifx\hvSet@capVPos\hv@Top % caption at top
11369 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11370 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11371 \fi
11372 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11373 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11374 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11375 \fi%
11376 \else% caption on bottom
11377 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11378 \else\usebox{\hvCaptionBox}
11379 \fi%
11380 \hspace{\hvSet@floatCapSep pt}%
11381 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11382 \else \usebox{\hvObjectBox}
11383 \fi%
11384 \fi%
11385 \fi%
11386 \else% not RTL
11387 \ifx\hvSet@capVPos\hv@Center%
11388 \ifhv@fbox
11389 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11390 \else
11391 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11392 \fi%
11393 \hspace{\hvSet@floatCapSep pt}%
11394 \ifhv@fbox
11395 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11396 \else
11397 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11398 \fi%
11399 \else%
11400 \ifx\hvSet@capVPos\hv@Top
11401 \ifhv@fbox
11402 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11403 \else
11404 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11405 \fi%
11406 \hspace{\hvSet@floatCapSep pt}%
11407 \ifhv@fbox
11408 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11409 \else
11410 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11411 \fi
11412 \else
11413 \ifhv@fbox
11414 \fbbox{\usebox{\hvObjectBox}}%

```



```

11415 \else
11416 \usebox{\hvObjectBox}%
11417 \fi
11418 \hspace{\hvSet@floatCapSep pt}%
11419 \ifhv@fbox
11420 \fbox{\usebox{\hvCaptionBox}}}%
11421 \else
11422 \usebox{\hvCaptionBox}%
11423 \fi%
11424 \fi%
11425 \fi
11426 \fi% end of RTL
11427 \fi
11428 \fi
11429 \fi
11430 }% End savebox Object and caption
11431 %
11432 % now we rotate the object and caption, if needed
11433 %
11434 \ifx\hvSet@rotAngle\hv@Zero
11435 \usebox{\@tempboxa}
11436 \else
11437 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11438 \fi
11439 \ifhv@nonFloat
11440 \ifx\hvSet@objectPos\hv@Center
11441 \ifhv@nonFloat
11442 \hspace{\fill}
11443 \fi
11444 \fi
11445 \endgroup% End the nonfloat part
11446 \else
11447 \end{\hv@floatType}% End the floating environment
11448 \fi
11449 }

```

7.70 hyperref-xetex-bidi.def

```

11450 \ProvidesFile{hyperref-xetex-bidi.def}[2015/11/26 v0.9 bidi adaptations for hyperref package for
11451 \AtBeginDocument{%
11452 \def\contentsline#1#2#3#4{%
11453   \ifx\\#4\\%
11454     \csname l@#1\endcsname{#2}{#3}%
11455   \else
11456     \ifcase\Hy@linktoc % none
11457       \csname l@#1\endcsname{#2}{#3}%
11458     \or % section
11459       \csname l@#1\endcsname{%
11460       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11461       }{#3}%

```



```

11462 \or % page
11463 \csname l@#1\endcsname{#{2}}{%
11464 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11465 }%
11466 \else % all
11467 \csname l@#1\endcsname{%
11468 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11469 }{%
11470 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11471 }%
11472 \fi
11473 \fi
11474 }
11475 \ifHy@hyperfootnotes
11476 \let\H@@footnotetext\@footnotetext
11477 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
11478 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
11479 \def\xfootnotenext[#1]{%
11480 \begingroup
11481 \csname c@\@mpfn\endcsname #1\relax
11482 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11483 \endgroup
11484 \ifx\@footnotetext\@mpfootnotetext
11485 \expandafter\H@@mpfootnotetext
11486 \else
11487 \expandafter\H@@footnotetext
11488 \fi
11489 }%
11490 \def\xRTLfootnotenext[#1]{%
11491 \begingroup
11492 \csname c@\@mpfn\endcsname #1\relax
11493 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11494 \endgroup
11495 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11496 \expandafter\HRTL@@mpRTLfootnotetext
11497 \else
11498 \expandafter\HRTL@@RTLfootnotetext
11499 \fi
11500 }%
11501 \def\xLTRfootnotenext[#1]{%
11502 \begingroup
11503 \csname c@\@mpfn\endcsname #1\relax
11504 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11505 \endgroup
11506 \ifx\@LTRfootnotetext\@mplTRfootnotetext
11507 \expandafter\HLTR@@mplTRfootnotetext
11508 \else
11509 \expandafter\HLTR@@LTRfootnotetext
11510 \fi
11511 }%

```



```

11512 \def\xfootnotemark[#1]{%
11513 \begingroup
11514   \c@footnote #1\relax
11515   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11516 \endgroup
11517 \H@@footnotemark
11518 }%
11519 \let\H@@mpfootnotetext\@mpfootnotetext
11520 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
11521 \let\HLTR@@mplTRfootnotetext\@mplTRfootnotetext
11522 \long\def\@mpfootnotetext#1{%
11523 \H@@mpfootnotetext{%
11524   \ifHy@nesting
11525     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11526   \else
11527     \Hy@raisedlink{%
11528       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11529     }#1%
11530   \fi
11531 }%
11532 }%
11533 \long\def\@mpRTLfootnotetext#1{%
11534 \HRTL@@mpRTLfootnotetext{%
11535   \ifHy@nesting
11536     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11537   \else
11538     \Hy@raisedlink{%
11539       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11540     }#1%
11541   \fi
11542 }%
11543 }%
11544 \long\def\@mplTRfootnotetext#1{%
11545 \HLTR@@mplTRfootnotetext{%
11546   \ifHy@nesting
11547     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11548   \else
11549     \Hy@raisedlink{%
11550       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11551     }#1%
11552   \fi
11553 }%
11554 }%
11555 \long\def\@footnotetext#1{%
11556 \H@@footnotetext{%
11557   \ifHy@nesting
11558     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11559   \else
11560     \Hy@raisedlink{%
11561       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%

```



```

11562     }%
11563     \let\@currentHlabel\Hy@footnote@currentHlabel
11564     \let\@currentHref\Hy@footnote@currentHref
11565     \let\@currentlabelname\@empty
11566     #1%
11567   \fi
11568 }%
11569 }%
11570 \long\def\@RTLfootnotetext#1{%
11571 \HRTL@RTLfootnotetext{%
11572   \ifHy@nesting
11573     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11574   \else
11575     \Hy@raisedlink{%
11576       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11577     }%
11578     \let\@currentHlabel\Hy@footnote@currentHlabel
11579     \let\@currentHref\Hy@footnote@currentHref
11580     \let\@currentlabelname\@empty
11581     #1%
11582   \fi
11583 }%
11584 }%
11585 \long\def\@LTRfootnotetext#1{%
11586 \HLTR@LTRfootnotetext{%
11587   \ifHy@nesting
11588     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11589   \else
11590     \Hy@raisedlink{%
11591       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11592     }%
11593     \let\@currentHlabel\Hy@footnote@currentHlabel
11594     \let\@currentHref\Hy@footnote@currentHref
11595     \let\@currentlabelname\@empty
11596     #1%
11597   \fi
11598 }%
11599 }%
11600 \@ifpackageloaded{tabularx}{%
11601 \let\HyOrg@TX@endtabularx\TX@endtabularx
11602 \def\Hy@tabularx@hook{%
11603   \let\@footnotetext\H@footnotetext
11604   \let\@LTRfootnotetext\HLTR@LTRfootnotetext
11605   \let\@RTLfootnotetext\HRTL@RTLfootnotetext
11606   \let\@footnotemark\H@footnotemark
11607   \let\@mpfootnotetext\H@mpfootnotetext
11608   \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
11609   \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
11610 }%
11611 \begingroup

```




```

11612 \toks@\expandafter{\TX@endtabularx}%
11613 \xdef\Hy@gtemp{%
11614 \noexpand\Hy@tabularx@hook
11615 \the\toks@
11616 }%
11617 \endgroup
11618 \let\TX@endtabularx\Hy@gtemp
11619 }{}%
11620 \@ifpackageloaded{longtable}{%
11621 \CheckCommand*{\LT@p@LTRftntext}[1]{%
11622 \edef\@tempa{%
11623 \the\LT@p@ftn
11624 \noexpand\LTRfootnotetext[\the\c@footnote]%
11625 }%
11626 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11627 }%
11628 \long\def\LT@p@LTRftntext#1{%
11629 \edef\@tempa{%
11630 \the\LT@p@ftn
11631 \begingroup
11632 \noexpand\c@footnote=\the\c@footnote\relax
11633 \noexpand\protected@xdef\noexpand\@thefnmark{%
11634 \noexpand\thempfn
11635 }%
11636 \noexpand\Hy@LT@LTRfootnotetext{%
11637 \Hy@footnote@currentHref
11638 }%
11639 }%
11640 \global\LT@p@ftn\expandafter{
11641 \@tempa{#1}%
11642 \endgroup
11643 }%
11644 }%
11645 \long\def\Hy@LT@LTRfootnotetext#1#2{%
11646 \HLTR@@LTRfootnotetext{%
11647 \ifHy@nesting
11648 \hyper@@anchor{#1}{#2}%
11649 \else
11650 \Hy@raisedlink{%
11651 \hyper@@anchor{#1}{\relax}%
11652 }%
11653 \def\@currentHref{#1}%
11654 \let\@currentlabelname\@empty
11655 #2%
11656 \fi
11657 }%
11658 }%
11659 \CheckCommand*{\LT@p@RTLftntext}[1]{%
11660 \edef\@tempa{%
11661 \the\LT@p@ftn

```



```

11662     \noexpand\RTLfootnotetext[\the\c@footnote]%
11663   }%
11664   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11665 }%
11666 \long\def\LT@p@RTLftntext#1{%
11667   \edef\@tempa{%
11668     \the\LT@p@ftn
11669     \begingroup
11670       \noexpand\c@footnote=\the\c@footnote\relax
11671       \noexpand\protected@xdef\noexpand\@thefnmark{%
11672         \noexpand\thempfn
11673       }%
11674       \noexpand\Hy@LT@RTLfootnotetext{%
11675         \Hy@footnote@currentHref
11676       }%
11677     }%
11678     \global\LT@p@ftn\expandafter{%
11679       \@tempa{#1}%
11680     \endgroup
11681   }%
11682 }%
11683 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11684   \HRTL@RTLfootnotetext{%
11685     \ifHy@nesting
11686       \hyper@@anchor{#1}{#2}%
11687     \else
11688       \Hy@raisedlink{%
11689         \hyper@@anchor{#1}{\relax}%
11690       }%
11691       \def\@currentHref{#1}%
11692       \let\@currentlabelname\@empty
11693       #2%
11694     \fi
11695   }%
11696 }%
11697 }{}%
11698 \ifpackageloaded{bidipoem}{%
11699   \long\def\bidipoem@p@ftntext#1{%
11700     \edef\@tempx{%
11701       \the\bidipoem@p@ftn
11702       \begingroup
11703       \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11704       \noexpand\protected@xdef\noexpand\@thefnmark{%
11705         \noexpand\thempfn
11706       }%
11707       \noexpand\Hy@bidipoem@footnotetext{%
11708         \Hy@footnote@currentHref
11709       }%
11710     }%
11711     \global\bidipoem@p@ftn\expandafter{%

```



```

11712         \@temp{#1}%
11713     \endgroup
11714 }%
11715 }%
11716 \long\def\Hy@bidipoem@footnotetext#1#2{%
11717     \H@footnotetext{%
11718         \ifHy@nesting
11719             \hyper@@anchor{#1}{#2}%
11720         \else
11721             \Hy@raisedlink{%
11722                 \hyper@@anchor{#1}{\relax}%
11723             }%
11724             \def\@currentHref{#1}%
11725             \let\@currentlabelname\@empty
11726             #2%
11727         \fi
11728     }%
11729 }%
11730 \long\def\bidipoem@p@LTRftntext#1{%
11731     \edef\@tempxi{%
11732         \the\bidipoem@p@ftn
11733         \begingroup
11734         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11735         \noexpand\protected@xdef\noexpand\@thefnmark{%
11736             \noexpand\thempfn
11737         }%
11738         \noexpand\Hy@bidipoem@LTRfootnotetext{%
11739             \Hy@footnote@currentHref
11740         }%
11741     }%
11742     \global\bidipoem@p@ftn\expandafter{%
11743         \@tempxi{#1}%
11744     \endgroup
11745 }%
11746 }%
11747 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11748     \HLTR@LTRfootnotetext{%
11749         \ifHy@nesting
11750             \hyper@@anchor{#1}{#2}%
11751         \else
11752             \Hy@raisedlink{%
11753                 \hyper@@anchor{#1}{\relax}%
11754             }%
11755             \def\@currentHref{#1}%
11756             \let\@currentlabelname\@empty
11757             #2%
11758         \fi
11759     }%
11760 }%
11761 \long\def\bidipoem@p@RTLftntext#1{%

```



```

11762 \edef\@tempxiif%
11763 \the\bidipoem@p@ftn
11764 \begingroup
11765 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11766 \noexpand\protected@xdef\noexpand\@thefnmark{%
11767 \noexpand\thempfn
11768 }%
11769 \noexpand\Hy@bidipoem@RTLfootnotetext{%
11770 \Hy@footnote@currentHref
11771 }%
11772 }%
11773 \global\bidipoem@p@ftn\expandafter{%
11774 \@tempxiif{#1}%
11775 \endgroup
11776 }%
11777 }%
11778 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11779 \HRTL@RTLfootnotetext{%
11780 \ifHy@nesting
11781 \hyper@@anchor{#1}{#2}%
11782 \else
11783 \Hy@raisedlink{%
11784 \hyper@@anchor{#1}{\relax}%
11785 }%
11786 \def\@currentHref{#1}%
11787 \let\@currentlabelname\@empty
11788 #2%
11789 \fi
11790 }%
11791 }%
11792 }{}%
11793 \let\HyOrg@maketitle\maketitle
11794 \def\maketitle{%
11795 \let\Hy@saved@footnotemark\@footnotemark
11796 \let\Hy@saved@footnotetext\@footnotetext
11797 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11798 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11799 \let\@footnotemark\H@@footnotemark
11800 \let\@footnotetext\H@@footnotetext
11801 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
11802 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
11803 \@ifnextchar[\Hy@maketitle@optarg{% ]
11804 \HyOrg@maketitle
11805 \Hy@maketitle@end
11806 }%
11807 }%
11808 \def\Hy@maketitle@optarg[#1]{%
11809 \HyOrg@maketitle[#{1}]%
11810 \Hy@maketitle@end
11811 }%

```



```

11812 \def\Hy@maketitle@end{%
11813   \ifx\@footnotemark\H@@footnotemark
11814     \let\@footnotemark\Hy@saved@footnotemark
11815   \fi
11816   \ifx\@footnotetext\H@@footnotetext
11817     \let\@footnotetext\Hy@saved@footnotetext
11818   \fi
11819   \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11820     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11821   \fi
11822   \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11823     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11824   \fi
11825 }%
11826 \def\realfootnote{%
11827   \@ifnextchar[\@xfootnote{%
11828     \stepcounter{\@mpfn}%
11829     \protected@xdef\@thefnmark{\thempfn}%
11830     \H@@footnotemark\H@@footnotetext
11831   }%
11832 }%
11833 \fi
11834 \def\Hy@BeginAnnot#1{%
11835   \ifmmode\else\beginL\fi%
11836   \stepcounter{Hy@AnnotLevel}%
11837   \ifnum\value{Hy@AnnotLevel}=\@ne
11838     #1%
11839   \fi
11840 }
11841 \def\Hy@EndAnnot{%
11842   \ifnum\value{Hy@AnnotLevel}=\@ne
11843     \Hy@endcolorlink
11844     \@pdfm@mark{eann}%
11845   \fi
11846   \addtocounter{Hy@AnnotLevel}{\m@ne}
11847   \ifmmode\else\endL\fi%
11848 }
11849 \def\hyper@link#1#2#3{%
11850   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\H
11851 }
11852 \def\hyper@linkfile#1#2#3{%
11853   \leavevmode
11854   \Hy@BeginAnnot{%
11855     \def\Hy@pstringF{#2}%
11856     \Hy@CleanupFile\Hy@pstringF
11857     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
11858     \Hy@pstringdef\Hy@pstringD{#3}%
11859     \Hy@MakeRemoteAction
11860     \@pdfm@mark{%
11861       bann<<%

```



```

11862         /Type/Annot%
11863         /Subtype/Link%
11864         \ifHy@pdfa /F 4\fi
11865         \Hy@setpdfborder
11866         \ifx\@filebordercolor\relax
11867         \else
11868         /C[\@filebordercolor]%
11869         \fi
11870         /A<<%
11871         /S/GoToR%
11872         /F(\Hy@pstringF)%
11873         /D%
11874         \ifx\#3\%
11875         [\Hy@href@page\@pdfremotestartview]%
11876         \else
11877         (\Hy@pstringD)%
11878         \fi
11879         \Hy@SetNewWindow
11880         \Hy@href@nextactionraw
11881         >>%
11882     >>%
11883 }%
11884 \Hy@colorlink\@filecolor
11885 }%
11886 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11887 \Hy@EndAnnot
11888 }
11889 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
11890 \leavevmode
11891 \Hy@BeginAnnot{%
11892 \Hy@pstringdef\Hy@pstringF{#1}%
11893 \Hy@pstringdef\Hy@pstringP{#3}%
11894 \@pdfm@mark{%
11895 bann<<%
11896 /Type/Annot%
11897 /Subtype/Link%
11898 \ifHy@pdfa /F 4\fi
11899 \Hy@setpdfborder
11900 \ifx\@runbordercolor\relax
11901 \else
11902 /C[\@runbordercolor]%
11903 \fi
11904 /A<<%
11905 /F(\Hy@pstringF)%
11906 /S/Launch%
11907 \Hy@SetNewWindow
11908 \ifx\#3\%
11909 \else
11910 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
11911 \fi

```



```

11912         \Hy@href@nextactionraw
11913         >>%
11914         >>%
11915     }%
11916     \Hy@colorlink\@runcolor
11917 }%
11918 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11919 \Hy@EndAnnot
11920 }
11921 \def\hyper@linkurl#1#2{%
11922     \leavevmode
11923     \Hy@BeginAnnot{%
11924         \Hy@pstringdef\Hy@pstringURI{#2}%
11925         \@pdfm@mark{%
11926             bann<<%
11927             /Type/Annot%
11928             /Subtype/Link%
11929             \ifHy@pdfa /F 4\fi
11930             \Hy@setpdfborder
11931             \ifx\@urlbordercolor\relax
11932             \else
11933                 /C[\@urlbordercolor]%
11934             \fi
11935             /A<<%
11936             /S/URI%
11937             /URI(\Hy@pstringURI)%
11938             \ifHy@href@ismap
11939                 /IsMap true%
11940             \fi
11941             \Hy@href@nextactionraw
11942             >>%
11943             >>%
11944         }%
11945         \Hy@colorlink\@urlcolor
11946     }%
11947     \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11948     \Hy@EndAnnot
11949 }
11950 \def\Acrobatmenu#1#2{%
11951     \Hy@Acrobatmenu{#1}{#2}{%
11952         \Hy@BeginAnnot{%
11953             \EdefEscapeName\Hy@temp@menu{#1}%
11954             \@pdfm@mark{%
11955                 bann<<%
11956                 /Type/Annot%
11957                 /Subtype/Link%
11958                 \ifHy@pdfa /F 4\fi
11959                 \Hy@setpdfborder
11960                 \ifx\@menubordercolor\relax
11961                 \else

```



```

11962         /C[\@menubordercolor]%
11963         \fi
11964         /A<<%
11965         /S/Named%
11966         /N/\Hy@temp@menu
11967         \Hy@href@nextactionraw
11968         >>%
11969     >>%
11970    }%
11971     \Hy@colorlink\@menucolor
11972 }%
11973 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11974 \Hy@endAnnot
11975 }%
11976 }
11977 \def\hyper@natlinkstart#1{%
11978     \Hy@backout{#1}%
11979     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11980     \def\hyper@nat@current{#1}%
11981 }
11982 \def\hyper@natlinkend{%
11983     \if@RTL\endR\fi\hyper@linkend
11984 }
11985 \def\hyper@natlinkbreak#1#2{%
11986     \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11987 }%
11988 }
11989 \pdfstringdefDisableCommands{%
11990     \let\LRE\@firstofone
11991     \let\LR\@firstofone
11992     \let\RLE\@firstofone
11993     \let\RL\@firstofone
11994     \def\XeTeX{XeTeX}
11995     \def\XeLaTeX{XeLaTeX}
11996 }
11997 \@ifpackageloaded{longtable}{%
11998     \begingroup
11999         \def\y{\LT@array}%
12000         \@ifundefined{scr@LT@array}{%
12001             \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12002         }{\def\y{\scr@LT@array}}%
12003         \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12004             \expandafter\endgroup
12005             \expandafter\def\y[##1]##2{%
12006                 \H@refstepcounter{#1}%
12007                 \hyper@makecurrent{table}%
12008                 \let\Hy@LT@currentHref\@currentHref
12009                 #2\@sharp####4%
12010             }%
12011         }%

```




```

12012 \expandafter\expandafter\expandafter\x\y[{#1}]{#2}\@nil
12013 \begingroup
12014   \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12015     \endgroup
12016     \def\LT@start{%
12017       #1%
12018       \ifvoid\LT@foot#2\fi
12019       \let\@currentHref\Hy@LT@currentHref
12020       \Hy@raisedlink{%
12021         \hyper@anchorstart{\@currentHref}\hyper@anchorend
12022       }%
12023       #3%
12024     }%
12025   }%
12026 \expandafter\x\LT@start\@nil
12027 }{}

```

7.71 leqno-xetex-bidi.def

```

12028 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
12029 \renewcommand\@eqnnum{\hbext@.01\p@{}}%
12030   \rlap{
12031     \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\}

```

7.72 letter-xetex-bidi.def

```

12032 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class
12033 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
12034   \thispagestyle{firstpage}%
12035   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12036 \else % home address
12037   \thispagestyle{empty}%
12038   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}{l@
12039     \fromaddress \*[2\parskip]%
12040     \@date \end{tabular}\par}%
12041 \fi
12042 \vspace{2\parskip}%
12043 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
12044 \vspace{2\parskip}%
12045 #1\par\nobreak}
12046 \renewcommand\left@footnoterule{%
12047   \kern-\p@
12048   \hrule \@width .4\columnwidth
12049   \kern .6\p@}
12050 \renewcommand\right@footnoterule{%
12051   \kern-\p@
12052   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12053   \kern .6\p@}

```

7.73 lettrine-xetex-bidi.def

```

12054 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for

```



```

12055 \def\@lettrine[#1]#2#3{%
12056   \setcounter{L@lines}{\theDefaultLines}%
12057   \setcounter{L@depth}{\theDefaultDepth}%
12058   \renewcommand*{\L@hang}{\DefaultLhang}%
12059   \renewcommand*{\L@oversize}{\DefaultLoversize}%
12060   \renewcommand*{\L@raise}{\DefaultLraise}%
12061   \renewcommand*{\L@ante}{}%
12062   \setlength{\L@Findent}{\DefaultFindent}%
12063   \setlength{\L@Nindent}{\DefaultNindent}%
12064   \setlength{\L@slope}{\DefaultSlope}%
12065   \setlength{\L@novskip}{\DiscardVskip}%
12066   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12067   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12068   \if\DefaultOptionsFile\relax
12069   \else
12070     \begingroup
12071     \InputIfFileExists{\DefaultOptionsFile}%
12072     {}%
12073     {\PackageWarning{lettrine.sty}%
12074      {File \DefaultOptionsFile\space not found}%
12075      }%
12076     \def\color##1##{\l@color{##1}}%
12077     \let\l@color\@gobbletwo
12078     \def\textcolor##1##{\l@textcolor{##1}}%
12079     \def\l@textcolor##1##2##3{##3}%
12080     \expandafter\ifx\csname l@#2-keys\endcsname\relax
12081       \gdef\l@LOKeys{%
12082         \else
12083         \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12084         \fi
12085     \endgroup
12086     \def\KV@prefix{KV@L@}%
12087     \let\@tempc\relax
12088     \expandafter\KV@do\l@LOKeys,\relax,
12089     \sbox{\L@lbox}{\LettrineFont #2}%
12090     \setlength{\LettrineWidth}{\wd\L@lbox}%
12091     \def\KV@prefix{KV@L@}%
12092     \let\@tempc\relax
12093     \expandafter\KV@do\l@LOKeys,\relax,
12094     \fi
12095     \setkeys{L}{#1}%
12096     \ifL@image
12097       \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12098     \else
12099       \sbox{\L@lbox}{\LettrineFont #2}%
12100     \fi
12101     \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12102     \@tempdima=\baselineskip
12103     \ifnum\theL@lines=1
12104       \setlength{\L@first}{\ht\L@lbox}%

```



```

12105     \addtolength{\L@first}{-\ht\L@tbox}%
12106     \setlength{\L@lraise}{\z@}%
12107 \else
12108     \setlength{\L@first}{-\theL@lines\@tempdima}%
12109     \addtolength{\L@first}{\@tempdima}%
12110     \sbox{\@tempboxa}{\LettrineTextFont x}%
12111     \addtolength{\L@first}{-\ht\@tempboxa}%
12112     \setlength{\L@lraise}{-\L@raise\L@first}%
12113     \addtolength{\L@first}{\L@lraise}%
12114     \addtolength{\L@first}{\ht\L@lbox}%
12115     \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12116     \addtolength{\L@lraise}{\@tempdima}%
12117 \fi
12118 \par
12119 \ifdim\L@first>\L@novskip
12120     \ifL@grid
12121         \@tempdima=\baselineskip
12122         \@tempdimb=\@tempdima
12123         \advance\@tempdimb by \L@novskip
12124         \@tempcnta=1
12125         \loop\ifdim\L@first>\@tempdimb
12126             \advance\@tempcnta by 1
12127             \advance\L@first by -\@tempdima
12128         \repeat
12129         \vskip\@tempcnta\baselineskip
12130     \else
12131         \vskip\L@first
12132     \fi
12133 \fi
12134 \setlength{\L@Pindent}{\wd\L@lbox}%
12135 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12136 \settowidth{\L@first}{\L@ante}%
12137 \addtolength{\L@Pindent}{\L@first}%
12138 \addtolength{\L@Pindent}{\L@Findent}%
12139 \setlength{\L@first}{\linewidth}%
12140 \addtolength{\L@first}{-\L@Pindent}%
12141 \addtolength{\L@Nindent}{\L@Pindent}%
12142 \setlength{\L@next}{\linewidth}%
12143 \addtolength{\L@next}{-\L@Nindent}%
12144 \addtolength{\L@Pindent}{\rightmargin}%
12145 \addtolength{\L@Nindent}{\rightmargin}%
12146 \setlength{\LettrineWidth}{\wd\L@lbox}%
12147 \setlength{\LettrineHeight}{\ht\L@lbox}%
12148 \setlength{\LettrineDepth}{\dp\L@lbox}%
12149 \addtocounter{L@lines}{1}%
12150 \addtocounter{L@lines}{\the\c@L@depth}%
12151 \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pindent}
12152 \@tempcnta=\tw@
12153 \@whilenum \@tempcnta<\c@L@lines\do{%
12154     \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\L@next}

```



```

12155     \addtolength{\L@Nindent}{\L@slope}%
12156     \addtolength{\L@next}{-\L@slope}%
12157     \advance\@tempcnta\@ne}%
12158 \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
12159 \noindent
12160 \parshape=\L@parshape\relax
12161 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12162     \hskip \the\L@Findent}}%
12163 \usebox{\L@tbox}%
12164 }

```

7.74 listings-xetex-bidi.def

```

12165 \ProvidesFile{listings-xetex-bidi.def}[2016/11/08 v1.3 bidi adaptations for listings package for
12166 \lst@Key{captiondirection}{textdirection}{%
12167     \lstKV@SwitchCases{#1}%
12168     {textdirection&\\%
12169         RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12170         LTR&\chardef\bidi@lst@caption@direction\z@%
12171     }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12172
12173 \lst@Key{captionscript}{latin}{%
12174     \lstKV@SwitchCases{#1}%
12175     {%
12176         latin&\chardef\bidi@lst@caption@script\@ne\\%
12177         nonlatin&\chardef\bidi@lst@caption@script\z@%
12178     }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12179
12180 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12181     \@ifundefined{bidi@lst@caption@direction}{%}{%
12182         \ifnum\bidi@lst@caption@direction=\z@%
12183             #1%
12184         \else%
12185             \ifnum\bidi@lst@caption@direction=\@ne%
12186                 #2%
12187             \fi%
12188         \fi%
12189     }}
12190 \long\def\bidi@lst@makecaption#1#2{%
12191     \ifnum\bidi@lst@caption@script=\z@%
12192         \@nonlatintrue%
12193     \else%
12194         \ifnum\bidi@lst@caption@script=\@ne%
12195             \@nonlatinfalse%
12196         \fi%
12197     \fi%
12198     \vskip\abovecaptionskip
12199     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12200     \sbox\@tempboxa{%
12201         \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%

```



```

12202 #1: #2%
12203 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12204 }%
12205 \ifdim \wd\@tempboxa >\hsize
12206 #1: #2\par
12207 \else
12208 \global \@minipagefalse
12209 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12210 \fi
12211 \vskip\belowcaptionskip}%
12212 \def\lst@makecaption{\@bidi@lst@makecaption}
12213 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12214 \bidi@AtEndPreamble{%
12215 \bidi@patchcmd{\lst@MakeCaption}{%
12216 \ifx #1t%
12217 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12218 \expandafter\refstepcounter
12219 \fi {lstlisting}}%
12220 }{%
12221 \ifx #1t%
12222 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12223 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12224 \expandafter\refstepcounter
12225 \fi {lstlisting}}%
12226 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12227 }{}{}%
12228 \bidi@patchcmd{\lst@MakeCaption}{%
12229 \addcontentsline{lol}{lstlisting}%
12230 {\protect\numberline{\thelstlisting}\lst@@caption}%
12231 }{%
12232 \begingroup%
12233 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12234 \addcontentsline{lol}{lstlisting}%
12235 {\protect\numberline{\thelstlisting}\lst@@caption}%
12236 \endgroup%
12237 }{}{}%
12238 }
12239 \@ifpackageloaded{caption}{%
12240 \AtBeginCaption{%
12241 \ifnum\bidi@lst@caption@script=\z@%
12242 \@nonlatintrue%
12243 \else%
12244 \ifnum\bidi@lst@caption@script=\@ne%
12245 \@nonlatinfalse%
12246 \fi%
12247 \fi%
12248 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12249 }
12250 \let\@bidi@lst@makecaption\caption@makecaption%
12251 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%

```



```

12252 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
12253 }{%
12254 \AtBeginDocument{%
12255 \ifundefined{captionlabelfalse}{\}%
12256 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
12257 \ifundefined{caption@startrue}{\}%
12258 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
12259 }%
12260 }
12261 \AtBeginDocument{
12262 \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{\%
12263 \lst@ifnumberbychapter
12264 \gdef\thelstlisting%
12265 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12266 \else
12267 \gdef\thelstlisting{\@arabic\c@lstlisting}
12268 \fi}

```

7.75 loadingorder-xetex-bidi.def

```

12269 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last pa
12270 \bidi@isloaded{amsmath}
12271 \bidi@isloaded{amstext}
12272 \bidi@isloaded{amsthm}
12273 \bidi@isloaded{animate}
12274 \bidi@isloaded{breqn}
12275 \bidi@isloaded{cals}
12276 \bidi@isloaded{caption}
12277 \bidi@isloaded{crop}
12278 \bidi@isloaded{cuted}
12279 \bidi@isloaded{cutwin}
12280 \bidi@isloaded{color}
12281 \bidi@isloaded{dblfnote}
12282 \bidi@isloaded{xcolor}
12283 \bidi@isloaded{colortbl}
12284 \bidi@isloaded{float}
12285 \bidi@isloaded{floatrow}
12286 \bidi@isloaded{flowfram}
12287 \bidi@isloaded{framed}
12288 \bidi@isloaded{ftnright}
12289 \bidi@isloaded{xltextra}
12290 \bidi@isloaded{xunicode}
12291 \bidi@isloaded{wrapfig}
12292 \bidi@isloaded{graphicx}
12293 \bidi@isloaded{geometry}
12294 \bidi@isloaded{hvfloat}
12295 \bidi@isloaded{mdframed}
12296 \bidi@isloaded{midfloat}
12297 \bidi@isloaded{ntheorem}
12298 \bidi@isloaded{ntheorem-hyper}

```



```

12299 \bidi@isloaded{hyperref}
12300 \bidi@isloaded{fancybox}
12301 \bidi@isloaded{fancyhdr}
12302 \bidi@isloaded{fix2col}
12303 \bidi@isloaded{draftwatermark}
12304 \bidi@isloaded{empheq}
12305 \bidi@isloaded{overpic}
12306 \bidi@isloaded{pdfpages}
12307 \bidi@isloaded{listings}
12308 \bidi@isloaded{lettrine}
12309 \bidi@isloaded{media9}
12310 \bidi@isloaded{pstricks}
12311 \bidi@isloaded{pgf}
12312 \bidi@isloaded{picinpar}
12313 \bidi@isloaded{quotchap}
12314 \bidi@isloaded{tikz}
12315 \bidi@isloaded{titlesec}
12316 \bidi@isloaded{titletoc}
12317 \bidi@isloaded{array}
12318 \bidi@isloaded{soul}
12319 \bidi@isloaded{stabular}
12320 \bidi@isloaded{subfig}
12321 \bidi@isloaded{subfigure}
12322 \bidi@isloaded{supertabular}
12323 \bidi@isloaded{xtab}
12324 \bidi@isloaded{longtable}
12325 \bidi@isloaded{arydshln}
12326 \bidi@isloaded{multicol}
12327 \bidi@isloaded{multienum}
12328 \bidi@isloaded{minitoc}
12329 \bidi@isloaded{natbib}
12330 \bidi@isloaded{newfloat}
12331 \bidi@isloaded{ragged2e}
12332 \bidi@isloaded{rotating}
12333 \bidi@isloaded{tbls}
12334 \bidi@isloaded{tabulary}
12335 \bidi@isloaded{tocbasic}
12336 \bidi@isloaded{tocstyle}
12337 \bidi@isloaded{tocbibind}
12338 \bidi@isloaded{fontspec}
12339 \bidi@isloaded{arabxetex}
12340 \bidi@isloaded{polyglossia}
12341 \bidi@isloaded{fancyvrb}
12342 \AtBeginDocument{
12343   \if@bidi@amsmathloaded@else
12344     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. R
12345     \fi%
12346     \if@bidi@amstextloaded@else
12347       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. R
12348       \fi%

```



```

12349 \if@bidi@amsthmloaded@else
12350 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. Ple
12351 \fi%
12352 \if@bidi@animateloaded@else
12353 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package. Ple
12354 \fi%
12355 \if@bidi@breqnloaded@else
12356 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Ple
12357 \fi%
12358 \if@bidi@calsloaded@else
12359 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
12360 \fi%
12361 \if@bidi@captionloaded@else
12362 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. Ple
12363 \fi%
12364 \if@bidi@croplloaded@else
12365 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
12366 \fi%
12367 \if@bidi@colorloaded@else
12368 \@ifpackageloaded{hyperref}{\fi%
12369 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
12370 \fi%
12371 \if@bidi@cutwinloaded@else
12372 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. Ple
12373 \fi%
12374 \if@bidi@cutedloaded@else
12375 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Ple
12376 \fi%
12377 \if@bidi@dblfnoteloaded@else
12378 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package. Ple
12379 \fi%
12380 \if@bidi@xcolorloaded@else
12381 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. Ple
12382 \fi%
12383 \if@bidi@colortblloaded@else
12384 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package. Ple
12385 \fi%
12386 \if@bidi@floatloaded@else
12387 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Ple
12388 \fi%
12389 \if@bidi@floatrowloaded@else
12390 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package. Ple
12391 \fi%
12392 \if@bidi@flowframloaded@else
12393 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package. Ple
12394 \fi%
12395 \if@bidi@framedloaded@else
12396 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. Ple
12397 \fi%
12398 \if@bidi@ftnrightloaded@else

```




```

12399 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
12400 \fi%
12401 \if@bidi@xltxttrloaded@else
12402 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxttr after bidi package.
12403 \fi%
12404 \if@bidi@xunicodeloaded@else
12405 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
12406 \fi%
12407 \if@bidi@wrapfigloaded@else
12408 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package.
12409 \fi%
12410 \if@bidi@graphicxloaded@else
12411 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
12412 \fi%
12413 \if@bidi@geometryloaded@else
12414 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
12415 \fi%
12416 \if@bidi@hvfloatloaded@else
12417 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package.
12418 \fi%
12419 \if@bidi@mdframedloaded@else
12420 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
12421 \fi%
12422 \if@bidi@midfloatloaded@else
12423 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
12424 \fi%
12425 \if@bidi@ntheoremloaded@else
12426 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
12427 \fi%
12428 \if@bidi@hyperrefloaded@else
12429 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
12430 \fi%
12431 \if@bidi@fancyboxloaded@else
12432 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
12433 \fi%
12434 \if@bidi@fancyhdrloaded@else
12435 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
12436 \fi%
12437 \if@bidi@draftwatermarkloaded@else
12438 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
12439 \fi%
12440 \if@bidi@empheqloaded@else
12441 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package.
12442 \fi%
12443 \if@bidi@overpicloaded@else
12444 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package.
12445 \fi%
12446 \if@bidi@pdfpagesloaded@else
12447 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
12448 \fi%

```



```

12449 \if@bidi@lettrineloaded@\else
12450 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
12451 \fi%
12452 \if@bidi@listingsloaded@\else
12453 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
12454 \fi%
12455 \csname if@bidi@media9loaded@\endcsname\else
12456 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package. P
12457 \fi%
12458 \if@bidi@pstricksloaded@\else
12459 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
12460 \fi%
12461 \if@bidi@pgfloaded@\else
12462 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
12463 \fi%
12464 \if@bidi@picinparloaded@\else
12465 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
12466 \fi%
12467 \if@bidi@quotchaploaded@\else
12468 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
12469 \fi%
12470 \if@bidi@tikzloaded@\else
12471 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Plea
12472 \fi%
12473 \if@bidi@titlesecloaded@\else
12474 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
12475 \fi%
12476 \if@bidi@titletocloaded@\else
12477 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
12478 \fi%
12479 \if@bidi@arrayloaded@\else
12480 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
12481 \fi%
12482 \if@bidi@stabularloaded@\else
12483 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
12484 \fi%
12485 \if@bidi@soulloaded@\else
12486 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Plea
12487 \fi%
12488 \if@bidi@subfigloaded@\else
12489 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. P
12490 \fi%
12491 \if@bidi@subfigureloaded@\else
12492 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
12493 \fi%
12494 \if@bidi@supertabularloaded@\else
12495 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
12496 \fi%
12497 \if@bidi@xtabloaded@\else
12498 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea

```



```

12499 \fi%
12500 \if@bidi@longtableloaded@else
12501 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package.
12502 \fi%
12503 \if@bidi@arydshlnloaded@else
12504 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
12505 \fi%
12506 \if@bidi@multicolloaded@else
12507 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
12508 \fi%
12509 \if@bidi@multienumloaded@else
12510 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package.
12511 \fi%
12512 \if@bidi@minitocloaded@else
12513 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package.
12514 \fi%
12515 \if@bidi@natbibloaded@else
12516 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package.
12517 \fi%
12518 \if@bidi@newfloatloaded@else
12519 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
12520 \fi%
12521 \csname if@bidi@ragged2eloaded@endcsname\else
12522 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
12523 \fi%
12524 \if@bidi@rotatingloaded@else
12525 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
12526 \fi%
12527 \if@bidi@tblsloaded@else
12528 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package.
12529 \fi%
12530 \if@bidi@tabularyloaded@else
12531 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
12532 \fi%
12533 \if@bidi@tocbasicloaded@else
12534 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi package.
12535 \fi%
12536 \if@bidi@tocstyleloaded@else
12537 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
12538 \fi%
12539 \if@bidi@tocbibindloaded@else
12540 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package.
12541 \fi%
12542 \if@bidi@fontspecloaded@else
12543 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
12544 \fi%
12545 \if@bidi@arabxetexloaded@else
12546 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package.
12547 \fi%
12548 \if@bidi@polyglossialloaded@else

```



```

12549 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
12550 \fi%
12551 \if@bidi@fancyvrbloaded@else
12552 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
12553 \fi%
12554 }

```

7.76 longtable-xetex-bidi.def

```

12555 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package f
12556 \def\LT@array[#1]#2{%
12557 \refstepcounter{table}\stepcounter{LT@tables}%
12558 \if l#1%
12559 \if@RTLtab\LTleft\fill \Ltright\z@else\LTleft\z@ \Ltright\fill\fi
12560 \else\if r#1%
12561 \if@RTLtab\LTleft\z@ \Ltright\fill\else\LTleft\fill \Ltright\z@\fi
12562 \else\if c#1%
12563 \LTleft\fill \Ltright\fill
12564 \fi\fi\fi
12565 \let\LT@mc@col\multicolumn
12566 \let\LT@tabarray\@tabarray
12567 \let\LT@hline\hline
12568 \def\@tabarray{%
12569 \let\hline\LT@hline
12570 \LT@tabarray}%
12571 \let\LT@tabularcr\let\@tabularnewline\%
12572 \def\newpage{\noalign{\break}}%
12573 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
12574 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
12575 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
12576 \@tempdima\ht\strutbox
12577 \let\@endpbox\LT@endpbox
12578 \ifx\extrarowheight\@undefined
12579 \let\@acol\@tabacol
12580 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12581 \def\@startpbox{\vtop\LT@startpbox}%
12582 \let\@startpbox\@startpbox
12583 \let\@endpbox\@endpbox
12584 \let\LT@LL@FM@cr\@tabularcr
12585 \else
12586 \advance\@tempdima\extrarowheight
12587 \col@sep\@tabcolsep
12588 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12589 \fi
12590 \setbox\@arstrutbox\hbox{\vrule
12591 \@height \arraystretch \@tempdima
12592 \@depth \arraystretch \dp \strutbox
12593 \@width \z@}%
12594 \let\@sharp#\let\protect\relax
12595 \begingroup

```



```

12596 \mkpream{#2}%
12597 \xdef\LT@bchunk{%
12598   \global\advance\c@LT@chunks\@ne
12599   \global\LT@rows\z@\setbox\z@\vbox\bgroup
12600   \LT@setprevdepth
12601   \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12602   \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
12603 \endgroup
12604 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12605 \LT@make@row
12606 \m@th\let\par\empty
12607 \everycr{}\lineskip\z@\baselineskip\z@
12608 \LT@bchunk}
12609 \def\LT@makecaption#1#2#3{%
12610   \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LTcapwidth}%
12611     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
12612     \ifdim\wd\@tempboxa>\hsize
12613       #1{#2: }#3%
12614     \else
12615       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
12616     \fi
12617     \endgraf\vskip\baselineskip}%
12618   \hss}}
12619 \ifpackageloaded{caption}{%
12620   \renewcommand\LT@makecaption[3]{%
12621     \caption\LT@make{%
12622       \caption@settype*\LTcaptype
12623       \ifdim\LTcapwidth=4in \else
12624         \setcaptionwidth\LTcapwidth
12625       \fi
12626       \caption@setoptions{longtable}%
12627       \caption@setoptions{@longtable}%
12628       \caption\LT@setup
12629       \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
12630       \caption@startrue#1\caption@starfalse
12631       \caption@prepare@stepcounter\LTcaptype{LT}%
12632       \caption@begin\LTcaptype
12633         \caption@normalsize
12634         \vskip-\ht\strutbox
12635       \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
12636       \caption@@make{#2}{#3}\endgraf
12637       \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
12638       \caption@end}}}%
12639 }{}
12640 \def\LT@startpbox#1{%
12641   \bgroup
12642   \let\@footnotetext\LT@p@fnttext
12643   \let\@LTRfootnotetext\LT@p@LTRfnttext
12644   \let\@RTLfootnotetext\LT@p@RTLfnttext
12645   \setlength\hsize{#1}%

```



```

12646 \arrayparboxrestore
12647 \vrule \@height \ht\@arstrutbox \@width \z@}
12648 \def\LT@p@LTRftntext#1{%
12649 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
12650 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12651 \def\LT@p@RTLftntext#1{%
12652 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
12653 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.77 mdframed-xetex-bidi.def

```

12654 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
12655 \newif\if@bidi@mdf@RTL
12656 \def\mdf@lrbox#1{%
12657 \mdf@patchamsthm%patch amsthm
12658 \if@RTL\@bidi@mdf@RTLtrue\fi%
12659 \@RTLfalse%
12660 \setbox#1\vbox\bgroup%
12661 \color@begingroup%
12662 \if@bidi@mdf@RTL\@RTLtrue\fi%
12663 \mdf@horizontalmargin@equation%
12664 \columnwidth=\hsize%
12665 \textwidth=\hsize%
12666 \let\if@nobreak\iffalse%
12667 \let\if@noskipsec\iffalse%
12668 \let\par\@par%
12669 \let\-\@dischyp%
12670 \let'\@acci\let\`@accii\let\=@acciii%
12671 \parindent\z@ \parskip\z@skip%
12672 \linewidth\hsize%
12673 \@totalleftmargin\z@%
12674 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12675 \parfillskip\@flushglue \lineskip\normallineskip%
12676 \baselineskip\normalbaselineskip%
12677 %% \sloppy%
12678 \let\\\@normalcr%
12679 \mdf@par@local%New feature to restore parskip/parindent local in save box
12680 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12681 \@afterindentfalse%
12682 %\@afterheading%
12683 }
12684 \renewrobustcmd\mdfframedtitleenv[1]{%
12685 \mdf@lrbox{\mdf@frametitlebox}%
12686 \mdf@frametitlealignment%
12687 \leavevmode{\color{\mdf@frametitlefontcolor}%
12688 \normalfont\mdf@frametitlefont{#1}
12689 \ifbool{mdf@ignorelastdescenders}%
12690 {%
12691 \par\strut\par
12692 \unskip\unskip\setbox0=\lastbox

```



```

12693         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12694     }{}%
12695     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
12696     \endmdf@lrbbox\relax%
12697     \mdf@ignorevbadness%
12698     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12699     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12700     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12701     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12702     \mdfframetitleboxtotalheight=\dimexpr
12703         \ht\mdf@frametitlebox
12704         +\dp\mdf@frametitlebox%
12705         +\mdf@frametitleaboveskip@length
12706         +\mdf@frametitlebelowskip@length
12707     \relax%
12708 }
12709
12710 \renewrobustcmd*\mdf@footnoteoutput{%
12711     \ifvoid\@mpfootins\else%
12712         \nobreak%
12713         \vskip\mdf@footnotedistance@length%
12714         \normalcolor%
12715         \bidi@mpfootnoterule%
12716         \unvbox\@mpfootins%
12717     \fi%
12718 }
12719
12720
12721 \renewrobustcmd*\mdf@footnoteinput{%
12722     \def\@mpfn{mpfootnote}%
12723     \def\thempfn{\thempfootnote}%
12724     \c@mpfootnote\z@%
12725     \let\@footnotetext\@mpfootnotetext%
12726     \let\@LTRfootnotetext\@mpLTRfootnotetext%
12727     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12728 }

```

7.78 bidi-media9.sty

```

12729 \ProvidesExplPackage{bidi-media9}{2016/05/03}{0.2}
12730 {bidi fixes for media9 package for the XeTeX engine}
12731
12732 \keys_define:nn{media9/mbtn}{
12733     draft .code:n = {},
12734     final .code:n = {},
12735
12736     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
12737     tooltip .value_required:n = {true},
12738
12739     overface .code:n = {

```



```

12740   \%hbox_set:Nn\l_mix_poster_box{#1}
12741   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12742   \mix_pdfxform:n{\l_mix_poster_box}
12743   \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
12744 },
12745 overface .value_required:n = {true},
12746
12747 downface .code:n = {
12748   \%hbox_set:Nn\l_mix_poster_box{#1}
12749   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12750   \mix_pdfxform:n{\l_mix_poster_box}
12751   \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
12752 },
12753 downface .value_required:n = {true},
12754
12755 3Dgotoview .code:n = {
12756   \tl_set:Nx\l_tmpa_tl{#1}           %extract ref
12757   \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl
12758   \tl_trim_spaces:N\l_tmpa_tl
12759   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12760     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12761       \tl_set:Nx\l_tmpb_tl{#1}       %extract idx
12762       \regex_replace_once:nnN{[^\:]+:??}{\1}\l_tmpb_tl
12763       \tl_trim_spaces:N\l_tmpb_tl
12764       \tl_if_blank:VF\l_tmpb_tl{
12765         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
12766           \tl_set:Nx\l_mix_vidx_tl{/ \l_tmpb_tl}
12767         }{
12768           \regex_match:nVTF{^[^d+$]\l_tmpb_tl{
12769             \tl_set:Nx\l_mix_vidx_tl{~ \l_tmpb_tl}
12770           }{
12771             \regex_replace_once:nnN{^(\s*)}{\1}\l_tmpb_tl
12772             \regex_replace_once:nnN{\s*}{\1}\l_tmpb_tl
12773             \tl_set:Nx\l_mix_vidx_tl{~ (\l_tmpb_tl)}
12774           }
12775         }
12776       }
12777       \mix_pdfobj:nnn{}{dict}{
12778         /S/JavaScript/JS~(
12779           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12780           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12781             annotRM['\l_tmpa_tl']=
12782             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12783           }
12784           annotRM['\l_tmpa_tl'].activated=true;
12785         )
12786         \tl_if_blank:VF\l_tmpb_tl{
12787           /Next~<<
12788           /S/GoTo3DView
12789           /TA~\tl_use:c{ann@\l_tmpa_tl}

```




```

12790         /V\l_mix_vidx_tl
12791         >>
12792     }
12793 }
12794 \tl_gput_right:Nx\g_mix_btnactions_tl{\~\mix_pdflastobj:}
12795 }
12796 }{
12797     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12798     \cs_if_exist:NF\g_mix_refundefwarned_tl{
12799         \tl_new:N\g_mix_refundefwarned_tl
12800         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12801     }
12802 }
12803 },
12804 3Dgotoview .value_required:n = {true},
12805
12806 mediacommand .code:n = {
12807     \tl_set:Nx\l_tmpa_tl{#1}
12808     \regex_replace_once:nnN{([^\:]+):??.*}{\l}\l_tmpa_tl %extract ref
12809     \tl_trim_spaces:N\l_tmpa_tl
12810     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12811         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12812             \tl_set:Nx\l_tmpb_tl{#1}
12813             \regex_replace_once:nnN{([^\:]+\:)?}{\l}\l_tmpb_tl
12814             \tl_trim_spaces:N\l_tmpb_tl
12815             \regex_replace_all:nnN{^{\|\\}$}{\l}\l_tmpb_tl
12816             \tl_set:Nx\l_mix_cmd_tl{
12817                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
12818             \tl_trim_spaces:N\l_mix_cmd_tl
12819             \tl_set:Nx\l_mix_arg_tl{
12820                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
12821             \tl_trim_spaces:N\l_mix_arg_tl
12822             \mix_pdfobj:nnn{}{dict}{
12823                 /S/JavaScript/JS~(
12824                     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12825                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12826                         annotRM['\l_tmpa_tl']=
12827                         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12828                     }
12829                     annotRM['\l_tmpa_tl'].activated=true;
12830                 )
12831             \tl_if_blank:VF\l_mix_cmd_tl{
12832                 /Next~<<
12833                 /S/RichMediaExecute
12834                 /TA~\tl_use:c{ann@\l_tmpa_tl}
12835                 /TI~\tl_use:c{main@\l_tmpa_tl}
12836                 /CMD~<<
12837                 /C~(\l_mix_cmd_tl)
12838                 \tl_if_blank:VF\l_mix_arg_tl{
12839                     /A~[\l_mix_arg_tl]

```



```

12840         }
12841         >>
12842         >>
12843     }
12844 }
12845 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12846 }
12847 }{
12848   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12849   \cs_if_exist:NF\g_mix_refundefwarned_tl{
12850     \tl_new:N\g_mix_refundefwarned_tl
12851     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12852   }
12853 }
12854 },
12855 mediacommand .value_required:n = {true},
12856
12857 jsaction .code:n = {
12858   \tl_set:Nx\l_tmpa_tl{#1}
12859   \regex_match:nVTF{^[^{:}]+:.*$}\l_tmpa_tl{
12860     \regex_replace_once:nnN{([~:])+:??.*}{\1}\l_tmpa_tl %extract ref
12861     \tl_trim_spaces:N\l_tmpa_tl
12862   }{\tl_clear:N\l_tmpa_tl}
12863   \tl_set:Nx\l_tmpb_tl{#1}
12864   \tl_if_blank:VF\l_tmpa_tl{
12865     \tl_if_exist:cF{ann@\l_tmpa_tl}{
12866       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12867       \cs_if_exist:NF\g_mix_refundefwarned_tl{
12868         \tl_new:N\g_mix_refundefwarned_tl
12869         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12870       }
12871     }
12872     \regex_replace_once:nnN{[~:]+\:}{\}\l_tmpb_tl
12873   }
12874   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
12875   \tl_trim_spaces:N\l_tmpb_tl
12876   \tl_if_blank:VF\l_tmpb_tl{
12877     \mix_pdfobj:nnn{}{dict}{
12878       /S/JavaScript/JS~(
12879         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
12880   \bool_if:nT{
12881     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12882     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
12883   }{
12884     \mix_pdfobj:nnn{}{dict}{
12885       /S/JavaScript/JS~(
12886         if (typeof (annotRM)=='undefined'){annotRM=new~Array();}
12887         if (typeof (annotRM['\l_tmpa_tl'])=='undefined'){
12888           annotRM['\l_tmpa_tl']=
12889           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');

```



```

12890         }
12891         annotRM['\l_tmpa_tl'].activated=true;
12892     )
12893     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
12894 }
12895 }
12896 \bool_if:nT{
12897     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12898     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}||
12899     !\tl_if_blank_p:V\l_tmpb_tl
12900 }{
12901     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12902 }
12903 },
12904 jsaction .value_required:n = {true},
12905
12906 unknown .code:n = {
12907     \msg_error:nnx{media9}{unknown-option}{\l_keys_key_tl}
12908 }
12909 }
12910
12911
12912 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
12913     \mix_uriend:
12914     \group_begin:
12915     \beginL
12916     \leavevmode
12917     %empty stream as appearance dummy
12918     \cs_if_exist:NF\g_mix_appearance_tl{
12919         \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
12920         \mix_pdfxform:n{\l_mix_poster_box}
12921         \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
12922     }
12923     \mix_reset:
12924     \mix_uribegin: %treat URI characters correctly
12925     \keys_set:nn{media9/user}{#1}
12926     \mix_uriend:
12927     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
12928     \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
12929     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
12930     \tl_greplace_all:Nnn\g_mix_flashvars_tl{=-}{=}
12931     \tl_gtrim_spaces:N\g_mix_flashvars_tl
12932
12933     \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
12934
12935     %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
12936     %\hbox_set:Nn\l_mix_poster_box{#2}
12937     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
12938     \mix_scale:n{\l_mix_poster_box}
12939     \bool_if:nT{

```



```

12940 \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
12941 \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
12942 }{
12943 \tl_gset:Nn\g_mix_usrpbtn_tl{none}
12944 }
12945 \bool_if:NTF\g_mix_usrdraft_bool{
12946 \tl_if_empty:NF\g_mix_usrlabel_tl{
12947 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
12948 }
12949 \tl_if_blank:oTF{#2}{
12950 \mix_uribegin: %treat URI characters correctly
12951 \mix_draftbox:n{\tl_to_str:n{#3}}
12952 \mix_uriend:
12953 }{
12954 \hbox_to_wd:nn{\g_mix_wd_tl}{
12955 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
12956 \box_use:N\l_mix_poster_box\hss
12957 }
12958 }
12959 }{
12960 \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
12961 %attach script that switches off play button overlay upon activation
12962 \mix_pdfobj:nnn{}{stream}{
12963 {}{
12964 var~ocgs=host.getOCGs(host.pageNum);
12965 for(var~i=0;i<ocgs.length;i++){
12966 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
12967 ocgs[i].state=false;
12968 }
12969 }
12970 }
12971 }
12972 \mix_pdfobj:nnn{}{dict}{
12973 /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
12974 }
12975 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
12976 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
12977 %enforce plain playbutton overlay for XeTeX
12978 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
12979 }
12980 %embed main asset
12981 \mix_uribegin:
12982 \mix_embedasset:n{#3}
12983 \bool_if:NTF{
12984 \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
12985 }{
12986 \bool_gset_true:N\g_mix_iiid_bool
12987 \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
12988 }{
12989 \str_case_x:nnF{\l_mix_base_tl}{

```



```

12990         {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12991         {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12992         {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12993         {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12994         {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12995     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
12996 }
12997 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
12998 \mix_uriend:
12999 %secondary assets (added by addresource)
13000 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13001 \seq_map_inline:Nn\g_mix_script_seq{
13002     \mix_embedasset:n{##1}
13003     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13004 }
13005 %attach 3D calculation script
13006 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13007     \mix_embedasset:n{3Dmenu.js}
13008     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13009 }
13010 %create 3D views from file (option 3Dviews)
13011 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13012     \tl_set:Nn\l_mix_level_tl{\c_minus_one}
13013     \int_zero:N\l_mix_viewcnt_int
13014     \int_zero:N\l_mix_lineno_int
13015
13016     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13017     \ior_map_inline:Nn\l_mix_vfile_stream{
13018         \int_incr:N\l_mix_lineno_int
13019         \keys_set:nn{media9/views}{##1} %process input line
13020     }
13021     \ior_close:N\l_mix_vfile_stream
13022 }
13023 \bool_if:nT{ %create default 3D view if required
13024     \g_mix_iiid_bool &&
13025     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13026 }{
13027     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13028     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13029     \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13030     \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13031     \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13032     \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13033     \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13034
13035     \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13036     \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13037     \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13038     \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13039

```



```

13040 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13041 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13042 \tl_clear:N\l_mix_naarray_tl
13043
13044 \bool_if:NF\l_mix_ciiw_bool{
13045 \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13046 \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13047 }
13048
13049 \tl_clear:N\l_mix_naarray_tl
13050 \tl_clear:N\l_mix_saarray_tl
13051 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13052
13053 \mix_view:n{Default}
13054 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13055
13056 }
13057 \mix_pdfobj:nnn{}{dict}{
13058 /Type/RichMediaInstance
13059 /Subtype/\g_mix_mainassetsub_tl
13060 /Asset~\g_mix_mainasset_tl
13061 \bool_if:NF\g_mix_iiid_bool{
13062 /Params~<<
13063 /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13064 /Foreground
13065 }{
13066 /Background
13067 }
13068 \tl_if_blank:VF\g_mix_flashvars_tl{
13069 /FlashVars~(\g_mix_flashvars_tl)
13070 }
13071 >>
13072 }
13073 }
13074 \tl_if_empty:NF\g_mix_usrlabel_tl{
13075 \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13076 }
13077 \mix_pdfobj:nnn{}{dict}{
13078 /Type/RichMediaConfiguration
13079 /Subtype/\g_mix_mainassetsub_tl
13080 /Instances~[\mix_pdflastobj:]
13081 }
13082 \mix_pdfobj:nnn{}{dict}{
13083 /Type/RichMediaContent
13084 /Assets~<</Names~[\g_mix_assets_tl]>>
13085 /Configurations~[\mix_pdflastobj:]
13086 \bool_if:nT{
13087 \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13088 }{
13089 /Views~[\l_mix_iiidviewarray_tl]

```



```

13090     }
13091   }
13092   \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13093   \bool_if:nT{
13094     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13095   }{
13096     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13097   }
13098   %determine floating window size
13099   \bool_if:NT\g_mix_opt_windowed_bool{
13100     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13101   }
13102   \mix_pdffobj:nnn{}{dict}{
13103     /Activation~<<
13104       /Condition\g_mix_act_tl
13105       \bool_if:nT{
13106         \g_mix_iiid_bool &&
13107         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13108       }{%seems to work only with 3D content
13109         /Animation~<<
13110           /Subtype\g_mix_playtpe_tl
13111           /PlayCount~\g_mix_playcnt_tl
13112           /Speed~\g_mix_playspd_tl
13113         >>
13114       }
13115       \bool_if:nT{
13116         \g_mix_iiid_bool && (
13117         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13118         )
13119       }{/View~\l_mix_dfltview_tl}
13120       /Presentation~<<
13121         /Transparent~\g_mix_transp_tl
13122         \bool_if:NTF\g_mix_opt_windowed_bool{
13123           /Style/Windowed
13124         }/Window~<<
13125           /Width~<</Default~\tl_mix_fltd>>
13126           /Height~<</Default~\tl_mix_fltht>>
13127           /Position~<<
13128             /HOffset~0/VOffset~0
13129             \str_case_x:nnF{\g_mix_winpos_tl}{
13130               {tl}{/VAlign/Near/HAlign/Near}
13131               {cl}{/VAlign/Center/HAlign/Near}
13132               {bl}{/VAlign/Far/HAlign/Near}
13133               {bc}{/VAlign/Far/HAlign/Center}
13134               {br}{/VAlign/Far/HAlign/Far}
13135               {cr}{/VAlign/Center/HAlign/Far}
13136               {tr}{/VAlign/Near/HAlign/Far}
13137               {tc}{/VAlign/Near/HAlign/Center}
13138             }{/HAlign/Center/VAlign/Center}
13139           >>

```



```

13140         >>
13141     }{
13142         /Style/Embedded
13143     }
13144     \bool_if:NTF\g_mix_iiid_bool{
13145         /Toolbar~\g_mix_tools_tl
13146         /NavigationPane~\g_mix_nav_tl
13147     }{
13148         /PassContextClick~\g_mix_contextclick_tl
13149     }
13150     >>
13151     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13152     >>
13153     /Deactivation~<</Condition\g_mix_deact_tl>>
13154 }
13155 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13156 \tl_if_empty:NF\g_mix_usrlabel_tl{
13157     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13158 }
13159 % #1:width, #2:height, #3:depth, #4:content (key-value)
13160 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13161     /Subtype/RichMedia
13162     /F~4\cs_if_exist_use:N\ocgxii@insert@OC
13163     /BS~<</W~0/S/S>>
13164     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13165     /NM~(\g_mix_label_tl)
13166     /AP~<</N~\g_mix_appearance_tl>>
13167     /RichMediaSettings~\l_mix_settings_tl
13168     /RichMediaContent~\l_mix_content_tl
13169 }
13170 \tl_if_empty:NF\g_mix_usrlabel_tl{
13171     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13172     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13173         \noexpand\the\g@mix@page@int}
13174 }
13175 \mix_pdfobj:nnn{}{dict}{
13176     /S/JavaScript/JS~(
13177         try{
13178             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13179             if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13180                 annotRM['\g_mix_label_tl']=
13181                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
13182             }
13183             \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
13184                 if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
13185                     var~ocgs=this.getOCGs(this.pageNum);
13186                     for(var~i=0;i<ocgs.length;i++){
13187                         if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13188                             var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13189                         }

```




```

13190         }
13191     }
13192     if(
13193         !annotRM['\g_mix_label_tl'].activated&&(
13194         app.viewerType=='Reader' ||
13195         app.viewerType=='Exchange' ||
13196         app.viewerType=='Exchange-Pro'
13197         )&&app.viewerVersion>=9
13198     ){
13199         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13200     }
13201 }
13202 }catch(e){}
13203 this.dirty=false;
13204 )
13205 }
13206 \mix_pdfannot:nnnn{0pt}{0pt}{0pt}{
13207     /Subtype/Widget
13208     /FT/Btn/Ff~65537/F~2
13209     /BS~<</W~0>>
13210     /T~(fd@\g_mix_label_tl)
13211     /AA~<</P0~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
13212 }
13213 \mix_appendtofields:n{\mix_pdflastann:}
13214 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
13215 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
13216     \hbox_to_wd:nn{\g_mix_wd_tl}{
13217         \vrule-width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
13218     }
13219 }{%insert play button overlay
13220     \mix_insert_btnocg: %create OCG
13221     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
13222     %\hbox_set:Nn\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13223     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13224     \box_move_down:nn{\g_mix_dp_tl}{
13225         \hbox_to_wd:nn{\g_mix_wd_tl}{
13226             \vbox_to_ht:nn{\g_mix_tt_tl}{
13227                 \vss
13228                 \ocgbase_oc_bdc:nf{\g_mix_btnocg_tl}
13229                 \box_use:N\l_mix_pbtn_box
13230                 \ocgbase_oc_emc:
13231             }
13232         }
13233     }
13234 }
13235 \int_gincr:N\g_mix_rmcnt_int
13236 }
13237 \endL
13238 \group_end:
13239 }

```



```

13240 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
13241 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
13242
13243
13244
13245 \RenewDocumentCommand\mediabutton{0{ }m}{%#1 options, #2 normal button text
13246   \mix_uriend:
13247   \group_begin:
13248   \beginL
13249   \leavevmode
13250   %reset various variables
13251   \tl_gclear:N\g_mix_overbtn_tl
13252   \tl_gclear:N\g_mix_downbtn_tl
13253   \tl_gclear:N\g_mix_btnactions_tl
13254   \tl_gclear:N\g_mix_tooltip_tl
13255   %process options
13256   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13257   \mix_uribegin: %treat URI characters correctly
13258   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13259   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13260   \mix_uriend:
13261   %normal button appearance
13262   %\hbox_set:Nn\l_mix_poster_box{#2}
13263   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13264   \tl_set:Nx\width{\dim_use:N\box_wd:N\l_mix_poster_box}
13265   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
13266   \tl_set:Nx\depth{\dim_use:N\box_dp:N\l_mix_poster_box}
13267   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13268     \mix_pdfxform:n{\l_mix_poster_box}
13269     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13270     \bool_if:nT{ %dummy Widget for ocgx2, AR seems to need it
13271 %     \cs_if_exist_p:N\ocgxii@insert@OC && !\tl_if_blank_p:V\ocgxii@insert@OC
13272       !\cs_if_exist:NTF\ocgxii@insert@OC{
13273         \tl_if_blank_p:V\ocgxii@insert@OC
13274       }{
13275         \c_true_bool
13276       }
13277     }\mix_pdfannot:nnnn{\width}{\height}{\depth}{/Subtype/Widget/F~2}}
13278   %insert widget annotation
13279   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13280     /Subtype/Widget
13281     /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
13282     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
13283     /FT/Btn/Ff~65536\cs_if_exist_use:N\ocgxii@insert@OC
13284     \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
13285     /AP~<<
13286     /N~\g_mix_normalbtn_tl
13287     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13288     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13289     >>

```



```

13290 /MK~<<
13291 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13292 /I~\g_mix_normalbtn_tl
13293 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13294 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13295 >>
13296 /A~<<
13297 /S/JavaScript/JS~(app.focusRect=false;)
13298 %sequence of actions to perform
13299 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13300 >>
13301 }
13302 \mix_appendtofields:n{\mix_pdflastann:}
13303 \hbox_to_wd:nn{\width}{
13304 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
13305 }
13306 \int_gincr:N\g_mix_mbtncnt_int
13307 }
13308 \endL
13309 \group_end:
13310 }
13311 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13312 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
13313
13314
13315

```

7.79 memoir-xetex-bidi.def

```

13316 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
13317 \renewcommand{\keepthetitle}{%
13318 \@bsmtitleempty
13319 \global\let\thanks\relax
13320 \global\let\LTRthanks\relax
13321 \global\let\RTLthanks\relax
13322 \global\let\and\relax
13323 \global\let\andnext\relax
13324 \global\let\@thanks\@empty
13325 \global\let\@title\@empty
13326 \global\let\@author\@empty
13327 \global\let\@date\@empty}
13328 \renewcommand{\maketitle}{\par
13329 \begingroup
13330 \@bsmarkseries
13331 \def\@makefnmark{\@textsuperscript{%
13332 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
13333 \long\def\@makefntext##1{\makethanksmark ##1}
13334 \if@twocolumn
13335 \ifnum \col@number=\@ne
13336 \@maketitle

```



```

13337     \else
13338         \twocolumn[\@maketitle]%
13339     \fi
13340 \else
13341     \ifdim\pagetotal>\z@
13342         \newpage
13343     \fi
13344     \global\@topnum\z@
13345     \@maketitle
13346 \fi
13347 \thispagestyle{title}\@thanks
13348 \endgroup
13349 \@bscontmark % \setcounter{footnote}{0}%
13350 }
13351 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
13352 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
13353 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrighskip\else\vleftskip\fi}
13354 \renewcommand*{\memRTLvrighskip}{\if@RTL\vleftskip\else\vrighskip\fi}
13355 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
13356 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
13357 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
13358 \renewcommand*{\thesubsection}{%
13359     \thesection\@SepMark\@arabic\c@subsection}
13360 \renewcommand*{\thesubsubsection}{%
13361     \thesubsection\@SepMark\@arabic\c@subsubsection}
13362 \renewcommand*{\theparagraph}{%
13363     \thesubsubsection\@SepMark\@arabic\c@paragraph}
13364 \renewcommand*{\thesubparagraph}{%
13365     \theparagraph\@SepMark\@arabic\c@subparagraph}
13366 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
13367 \renewcommand{\theequation}{%
13368     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13369 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
13370 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
13371 \ifartopt
13372     \chapterstyle{article}
13373     \counterwithout{figure}{chapter}
13374     \counterwithout{table}{chapter}
13375     \counterwithout{footnote}{chapter}
13376     \counterwithout{equation}{chapter}
13377     \renewcommand{\chaptername}{\}
13378     \renewcommand{\maketitlehookb}{%
13379         \vskip -1.5\topsep\vskip -1.5\partopsep}
13380     \renewcommand{\maketitlehookc}{%
13381         \vskip -1.5\topsep\vskip -1.5\partopsep}
13382 \fi
13383 \long\def\@makecaption#1#2{\let\@memtempa\relax
13384     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
13385     \else \def\@memtempa{\vbox to\topskip{}}\fi
13386     \let\@contfnote\footnote \renewcommand{\footnote}[2]{}

```



```

13387 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
13388 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
13389 \let\footnote\@contfnote
13390 \let\footnotemark\@contfmark
13391 \ifdim\wd\@tempboxa<\linewidth \centering \fi
13392 \if@contcw
13393   \centering
13394   \parbox{\@contcwidth}{%
13395     \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
13396   \fi
13397 \ifdim\wd\@tempboxa<\linewidth
13398   \@contpre
13399   {\@contnfont #1\@contdelim}\@memtempa
13400   {\@contcshortstyle \@conttfont #2\@contfinal\par}
13401 \else
13402   \if@conthang
13403     \sbox\@tempboxa{\@contnfont #1\@contdelim}
13404     \@contpre%
13405     {\@contcstyle\hangindent=\wd\@tempboxa
13406       \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
13407   \else
13408     \if@contindent
13409       \@contpre%
13410       {\@contnfont #1\@contdelim}\@memtempa
13411       {\@contcstyle\hangindent=\@contindw
13412         \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
13413     \else
13414       \@contpre%
13415       {\@contnfont #1\@contdelim}\@memtempa
13416       {\@contcstyle \@conttfont #2\@contfinal\par}
13417     \fi
13418   \fi
13419 \fi
13420 \@contpost
13421 \if@contcw
13422   \par
13423   } % end of the \parbox
13424 \fi
13425 \vskip\belowcaptionskip}
13426 \ifpackageloaded{caption}{%
13427 \AtBeginPackage{caption}{
13428 \ClassWarningNoLine{memoir}{%
13429   You are using the caption package with the memoir \MessageBreak
13430   class. This may cause unexpected or inconsistent \MessageBreak
13431   results if you use any of memoir's captioning facilities}
13432 }
13433 \long\def\@makecaption##1##2{%
13434   \vskip\abovecaptionskip
13435   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13436   \ifdim \wd\@tempboxa >\hsize

```



```

13437 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13438 \else
13439 \global \@minipagefalse
13440 \hb@xt@{\hsize{\hfil\box\@tempboxa\hfil}}%
13441 \fi
13442 \vskip\belowcaptionskip}
13443
13444 \def\caption{%
13445 \ifx\@capttype\@undefined
13446 \latex@error{\noexpand\caption outside float}\@ehd
13447 \expandafter\@gobble
13448 \else
13449 \refstepcounter\@capttype
13450 \expandafter\@firstofone
13451 \fi
13452 {\@dblarg{\@caption\@capttype}}}%
13453 }
13454
13455 \long\def\@caption##1[##2]##3{%
13456 \par
13457 \addcontentsline{\csname ext@##1\endcsname}{##1}%
13458 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
13459 \begingroup
13460 \@parboxrestore
13461 \if@minipage
13462 \@setminipage
13463 \fi
13464 \normalsize
13465 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
13466 \endgroup}
13467 }}{}
13468 \renewenvironment{thebibliography}[1]{%
13469 \bibsection
13470 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13471 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

7.8o midfloat-xetex-bidi.def

```

13472 \ProvidesFile{midfloat-xetex-bidi.def}[2016/05/10 v0.3 bidi adaptations for midfloat package for]
13473 \def\RTL@outputdblcol{%
13474 \if@firstcolumn
13475 \global \@firstcolumnfalse
13476 \global\setbox\@leftcolumn\copy\@outputbox
13477 \splitmaxdepth\maxdimen
13478 \vbadness\maxdimen
13479 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13480 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13481 \toks@\expandafter{\topmark}%
13482 \xdef\@firstcoltopmark{\the\toks@}%
13483 \toks@\expandafter{\splitfirstmark}%

```



```

13484 \xdef\@firstcolfirstmark{\the\toks@}%
13485 \ifx\@firstcolfirstmark\@empty
13486   \global\let\@setmarks\relax
13487 \else
13488   \gdef\@setmarks{%
13489     \let\firstmark\@firstcolfirstmark
13490     \let\topmark\@firstcoltopmark}%
13491 \fi
13492 \global\c@colht\@colht\global\c@advipersep\z@
13493 \ifnum\jua@sk>0
13494   \remove@strip\jua@sar
13495   \global\@colht\the\jua@pr
13496   \ifdim\right@cor>\z@
13497     \global\advance\@colht by\right@cor
13498   \fi
13499   \global\advance\@colht by\cor@height
13500   \global\cor@height=0pt
13501 \fi
13502 \global \setbox\@rightcolumn \vbox{%
13503 \else
13504   \ifdim\c@colht>\@colht
13505     \@tempdima\@colht
13506     \ifdim\@colht>\z@
13507       \global\setbox\@rightcolumn \vbox{%
13508         \unvbox\@rightcolumn
13509         \vbox to\@tempdima{%
13510           \vskip\c@advipersep\unvbox\@outputbox}%
13511         \vskip\stripsep
13512         \vrule height\the\jua@ht width 0pt depth 0pt
13513         \vskip\stripsep
13514       }%
13515       \global\c@advipersep\m@advipersep
13516     \else
13517       \global\setbox\@rightcolumn \vbox{%
13518         \unvbox\@rightcolumn
13519         \vrule height\the\jua@ht width 0pt depth 0pt
13520         \vskip\stripsep
13521       }%
13522     \fi
13523   \ifnum\jua@sk>0
13524     \remove@strip\jua@sar
13525     \global\@colht\the\jua@pr
13526     \global\advance\@colht by-\ht\@rightcolumn
13527     \global\advance\@colht by\cor@height
13528     \global\cor@height=0pt
13529   \else
13530     \global\advance\c@colht by-\ht\@rightcolumn
13531     \global\@colht\c@colht
13532   \fi
13533 \else

```



```

13534 \global\@firstcolumntrue
13535 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13536     \unvbox\@rightcolumn
13537     \vskip\c@addvipersep
13538     \unvbox\@outputbox
13539 }%
13540 \setbox\@outputbox \vbox {%
13541     \hb@xt@\textwidth {%
13542         \hskip \columnwidth
13543         \hfil
13544         \vrule \@width\columnseprule
13545         \hfil
13546         \hb@xt@\columnwidth {%
13547             \box\@leftcolumn \hss}%
13548         \hskip-\textwidth
13549         \hb@xt@\columnwidth {%
13550             \box\@outputbox \hss}%
13551         \hskip\columnwidth
13552         \hskip\columnsep}%
13553     }%
13554 \@combinedblfloats
13555 \@setmarks
13556 \@outputpage
13557 \begingroup
13558     \@dblfloatplacement
13559     \@startdblcolumn
13560     \@whiles\if@fcolmade \fi
13561     {\@outputpage
13562     \@startdblcolumn}%
13563 \endgroup
13564 \global\jua@sk=0\global\jua@sar={}%
13565 \global\cor@height\z@\global\c@addvipersep\z@
13566 \fi
13567 \fi
13568 }
13569
13570
13571 \def\LTR@outputdblcol{%
13572     \if@firstcolumn
13573         \global \@firstcolumnfalse
13574         \global\setbox\@leftcolumn\copy\@outputbox
13575         \splitmaxdepth\maxdimen
13576         \vbadness\maxdimen
13577         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13578         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13579         \toks@\expandafter{\topmark}%
13580         \xdef\@firstcoltopmark{\the\toks@}%
13581         \toks@\expandafter{\splitfirstmark}%
13582         \xdef\@firstcolfirstmark{\the\toks@}%
13583         \ifx\@firstcolfirstmark\@empty

```




```

13584     \global\let\@setmarks\relax
13585 \else
13586     \gdef\@setmarks{%
13587         \let\firstmark\@firstcolfirstmark
13588         \let\topmark\@firstcoltopmark}%
13589 \fi
13590 \global\c@colht\@colht\global\c@advvipersep\z@
13591 \ifnum\jua@sk>0
13592     \remove@strip\jua@sar
13593     \global\@colht\the\jua@pr
13594     \ifdim\right@cor>\z@
13595         \global\advance\@colht by\right@cor
13596     \fi
13597     \global\advance\@colht by\cor@height
13598     \global\cor@height=0pt
13599 \fi
13600 \global \setbox\@rightcolumn \vbox{%
13601 \else
13602     \ifdim\c@colht>\@colht
13603         \@tempdima\@colht
13604         \ifdim\@colht>\z@
13605             \global\setbox\@rightcolumn \vbox{%
13606                 \unvbox\@rightcolumn
13607                 \vbox to\@tempdima{%
13608                     \vskip\c@advvipersep\unvbox\@outputbox}%
13609                 \vskip\stripsep
13610                 \vrule height\the\jua@ht width 0pt depth 0pt
13611                 \vskip\stripsep
13612             }%
13613             \global\c@advvipersep\m@advvipersep
13614         \else
13615             \global\setbox\@rightcolumn \vbox{%
13616                 \unvbox\@rightcolumn
13617                 \vrule height\the\jua@ht width 0pt depth 0pt
13618                 \vskip\stripsep
13619             }%
13620         \fi
13621     \ifnum\jua@sk>0
13622         \remove@strip\jua@sar
13623         \global\@colht\the\jua@pr
13624         \global\advance\@colht by -\ht\@rightcolumn
13625         \global\advance\@colht by\cor@height
13626         \global\cor@height=0pt
13627     \else
13628         \global\advance\c@colht by-\ht\@rightcolumn
13629         \global\@colht\c@colht
13630     \fi
13631 \else
13632     \global\@firstcolumntrue
13633     \global\setbox\@outputbox\vbox to\ht\@leftcolumnf%

```



```

13634 \unvbox\@rightcolumn
13635 \vskip\c@addvipersep
13636 \unvbox\@outputbox
13637 }%
13638 \setbox\@outputbox \vbox {%
13639 \hb@xt@\textwidth {%
13640 \hb@xt@\columnwidth {%
13641 \box\@leftcolumn \hss}%
13642 \hfil
13643 \vrule \@width\columnseprule
13644 \hfil
13645 \hb@xt@\columnwidth {%
13646 \box\@outputbox \hss}%
13647 }%
13648 }%
13649 \@combinedblfloats
13650 \@setmarks
13651 \@outputpage
13652 \begingroup
13653 \@dblfloatplacement
13654 \@startdblcolumn
13655 \@whiles\if@fcolmade \fi
13656 {\@outputpage
13657 \@startdblcolumn}%
13658 \endgroup
13659 \global\jua@sk=0\global\jua@sar={}%
13660 \global\cor@height\z@\global\c@addvipersep\z@
13661 \fi
13662 \fi
13663 }
13664
13665
13666 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
13667 \global\setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\v
13668 \hsize\textwidth
13669 \@parboxrestore
13670 \col@number \@ne
13671 \vrule height\topskip width0pt depth0pt
13672 }
13673
13674 \def\endstrip{%
13675 \egroup\egroup
13676 \if@firstcolumn
13677 \ifdim\pagetotal>\z@
13678 \vskip\stripsep
13679 \global\ht@strip\pagegoal
13680 \global\advance\ht@strip by-\pagetotal
13681 \global\advance\ht@strip by-\stripsep
13682 \global\advance\ht@strip by-\ht@viper
13683 \global\advance\ht@strip by-\stripsep

```



```

13684             \global\jua@ht=\ht@viper
13685         \else
13686             \global\ht@strip\z@
13687         \fi
13688         \ifdim\ht@strip>\z@
13689             \unvbox\@viper
13690             \vskip\stripsep
13691         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
13692         \global\advance\jua@sk by1
13693         \else
13694             \@latex@error{Strip needs more place!}\@ehc
13695             \if@vihproof
13696                 \framebox[\columnwidth]{??? Strip ???}%
13697             \fi
13698         \fi
13699     \else
13700         \@latex@error{Strip is used only on left column!}\@ehc
13701         \if@vihproof
13702             \framebox[\columnwidth]{??? Strip ???}%
13703         \fi
13704     \fi
13705 }

```

7.81 minitoc-xetex-bidi.def

```

13706 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for Xe
13707 \def\@undottedtocline#1#2#3#4#5{%
13708     \ifnum #1>\c@tocdepth\relax \else
13709         \vskip \z@ plus.2\p@
13710     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p
13711         \parindent #2\relax\@afterindenttrue
13712         \interlinepenalty\@M
13713         \leavevmode
13714         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
13715         \hskip -\if@RTL\righskip\else\leftskip\fi
13716         #4\nobreak\hfill \nobreak
13717         \null\par}%
13718     \fi}
13719 \def\@Undottedtocline#1#2#3#4#5{%
13720     \ifnum #1>\c@tocdepth\relax \else
13721         \vskip \z@ \@plus.2\p@
13722     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p
13723         \parindent #2\relax\@afterindenttrue
13724         \interlinepenalty\@M
13725         \leavevmode
13726         \@tempdima #3\relax
13727         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
13728         {\coffefont #4}\nobreak \nobreak\null
13729         \par}%
13730     \fi}

```



```

13731 \def\@Undottedtoclinep#1#2#3#4#5{%
13732   \ifnum #1>\c@tocdepth\relax \else
13733     \vskip \z@ \@plus.2\p@
13734     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
13735     \parindent #2\relax\@afterindenttrue
13736     \interlinepenalty\@M
13737     \leavevmode
13738     \@tempdima #3\relax
13739     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
13740     {#4}\nobreak \hfill \nobreak\null
13741     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
13742   \par}%
13743 \fi}

```

7.82 multicol-xetex-bidi.def

```

13744 \ProvidesFile{multicol-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for multicol package for
13745 \def\page@sofar{%
13746   \process@cols\mult@rightbox
13747   {\ifvoid\count@
13748     \setbox\count@\hbox to\hsize{%
13749     \else
13750     \wd\count@\hsize
13751     \fi}%
13752   \count@\col@number \advance\count@\m@ne
13753   \mult@info\z@
13754   {Column spec: \the\full@width\space = indent
13755     + columns + sep =\MessageBreak
13756     \the\multicol@leftmargin\space
13757     + \the\col@number\space
13758     x \the\hsize\space
13759     + \the\count@\space
13760     x \the\columnsep
13761   }%
13762   \ifvmode\else\errmessage{Multicol Error}\fi
13763   \nointerlineskip
13764   \setbox\z@\hbox{\p}\global\dimen\tw@\dp\z@
13765   \moveright\multicol@leftmargin
13766   \hbox to\full@width{%
13767     \bidi@multicol@align@columns
13768     \rlap{\phantom p}%
13769   }%
13770   \prevdepth\z@
13771   \kern-\dimen\tw@
13772   \ifdim\dimen\tw@ > \mc@gridwarn
13773     \PackageWarning{multicol}%
13774     {Very deep columns!\MessageBreak
13775     Grid alignment might be broken}%
13776   \fi
13777 }

```



```

13778 \def\LTR@column@boxes{%
13779     \process@cols\mult@gfirstbox{%
13780         \ifdim\dp\count@>\dimen\tw@
13781             \global\dimen\tw@\dp\count@ \fi
13782         \mc@col@status@write
13783         \box\count@
13784         \hss{\columnseprulecolor\vrule
13785             \@width\columnseprule}\hss}%
13786     \ifdim\dp\mult@rightbox>\dimen\tw@
13787         \global\dimen\tw@\dp\mult@rightbox \fi
13788     \mc@lastcol@status@write
13789     \box\mult@rightbox
13790 }
13791
13792 \def\RTL@column@boxes{%
13793     \process@cols\mult@gfirstbox{%
13794         \hskip\hsize
13795         \hss{\columnseprulecolor\vrule
13796             \@width\columnseprule}\hss
13797     }%
13798     \hskip\hsize
13799     \process@cols\mult@gfirstbox{%
13800         \ifdim\dp\count@>\dimen\tw@
13801             \global\dimen\tw@\dp\count@ \fi
13802         \hskip-\hsize
13803         \mc@col@status@write
13804         \box\count@
13805         \hskip-\hsize
13806         \hskip-\columnsep
13807     }%
13808     \ifdim\dp\mult@rightbox>\dimen\tw@
13809         \global\dimen\tw@\dp\mult@rightbox \fi
13810     \hskip-\hsize
13811     \mc@lastcol@status@write
13812     \box\mult@rightbox
13813     \hskip-\hsize
13814     \hskip\full@width
13815 }
13816 \newcommand\RTLmulticolcolumns
13817     {\let\ bidi@multicol@align@columns
13818         \RTL@column@boxes}
13819 \newcommand\LTRmulticolcolumns
13820     {\let\ bidi@multicol@align@columns
13821         \LTR@column@boxes}
13822 \newcommand\ bidi@multicol@align@columns
13823     {\if RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
13824 \def\multicols#1{\col@number#1\relax
13825     \ifnum\col@number<\tw@
13826         \PackageWarning{multicol}%
13827         {Using ~\number\col@number'

```



```

13828     columns doesn't seem a good idea.^~J
13829     I therefore use two columns instead}%
13830     \col@number\tw@ \fi
13831 \ifnum\col@number>10
13832   \PackageError{multicol}%
13833     {Too many columns}%
13834     {Current implementation doesn't
13835     support more than 10 columns.%
13836     \MessageBreak
13837     I therefore use 10 columns instead}%
13838   \col@number10 \fi
13839 \ifx\@footnotetext\mult@footnotetext\else
13840   \let\orig@footnotetext\@footnotetext
13841   \let\@footnotetext\mult@footnotetext
13842 \fi
13843 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
13844   \let\orig@LTRfootnotetext\@LTRfootnotetext
13845   \let\@LTRfootnotetext\mult@LTRfootnotetext
13846 \fi
13847 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
13848   \let\orig@RTLfootnotetext\@RTLfootnotetext
13849   \let\@RTLfootnotetext\mult@RTLfootnotetext
13850 \fi
13851 \ifnextchar[\mult@cols{\mult@cols[]}]
13852 \long\def\mult@footnotetext#1{\begingroup
13853   \hsize\textwidth
13854   \columnwidth\textwidth
13855   \orig@footnotetext{#1}\endgroup}
13856 \long\def\mult@LTRfootnotetext#1{\begingroup
13857   \hsize\textwidth
13858   \columnwidth\textwidth
13859   \orig@LTRfootnotetext{#1}\endgroup}
13860 \long\def\mult@RTLfootnotetext#1{\begingroup
13861   \hsize\textwidth
13862   \columnwidth\textwidth
13863   \orig@RTLfootnotetext{#1}\endgroup}
13864 \def\right@footnoterule{%
13865   \kern-3\p@
13866   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
13867   \kern2.6\p@}
13868 \def\textwidth@footnoterule{\kern-3\p@
13869   \hrule \@width \textwidth \kern 2.6\p@}

```

7.83 multienum-xetex-bidi.def

```

13870 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
13871 \renewcommand{\itemx}[1]{\parbox[t]{%
13872   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13873   \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
13874 \renewcommand{\itemxx}[2]{\parbox[t]{%

```



```

13875 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13876 \parbox[t]{.5\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
13877 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13878 \parbox[t]{0.5\remainxxx}{\bidi@raggedright #2}\smallskip
13879 \renewcommand{\itemxxx}[3]{\parbox[t]%
13880 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13881 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
13882 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
13883 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
13884 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13885 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
13886 \renewcommand{\itemxxxx}[4]{\parbox[t]%
13887 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13888 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
13889 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13890 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13891 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13892 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
13893 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13894 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
13895 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
13896 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13897 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
13898 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13899 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
13900 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13901 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
13902 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13903 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
13904 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13905 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
13906 \renewcommand{\itemxox}[2]{\parbox[t]%
13907 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13908 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13909 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13910 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
13911 \renewcommand{\itemxox}[2]{\parbox[t]%
13912 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13913 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
13914 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13915 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
13916 \renewcommand{\itemxox}[3]{\parbox[t]%
13917 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13918 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13919 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13920 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13921 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13922 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13923 \renewcommand{\itemxox}[3]{\parbox[t]%
13924 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

13925 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13926 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13927 \parbox[t]{\remainxxx}{\bidi@raggedright #2}\hfill%
13928 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13929 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13930 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
13931 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13932 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13933 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13934 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13935 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13936 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

7.84 natbib-xetex-bidi.def

```

13937 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
13938 \renewenvironment{thebibliography}[1]{%
13939 \bibsection
13940 \parindent\z@
13941 \bibpreamble
13942 \bibfont
13943 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13944 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
13945 \ifNAT@openbib
13946 \renewcommand\newblock{\par}%
13947 \else
13948 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
13949 \fi
13950 \sloppy\clubpenalty4000\widowpenalty4000
13951 \sfcode\.\@m
13952 \let\NAT@bibitem@first@sw\@firstoftwo
13953 \let\citeN\cite \let\shortcite\cite
13954 \let\citeasnoun\cite
13955 }{%
13956 \bibitem@fin
13957 \bibpostamble
13958 \def\@noitemerr{%
13959 \PackageWarning{natbib}{Empty `thebibliography' environment}%
13960 }%
13961 \endlist
13962 \bibcleanup
13963 }%

```

7.85 newfloat-xetex-bidi.def

```

13964 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
13965 \renewcommand*\newfloat@setwithin[2]{%
13966 \ifcsname c@chapter\endcsname
13967 \@removefromreset{#1}{chapter}%
13968 \fi
13969 \@removefromreset{#1}{section}%

```




```

13970 \edef\@tempa{#2}%
13971 \ifx\@tempa\@empty
13972   \def\@tempa{none}%
13973 \fi
13974 \def\@tempb{none}%
13975 \ifx\@tempa\@tempb
13976   \ifcsname c@chapter\endcsname
13977     \@chapterlistsgap@off{#1}%
13978   \fi
13979   \newfloat@@setwithin{#1}{-}{-}%
13980 \else
13981   \def\@tempb{chapter}%
13982   \ifx\@tempa\@tempb
13983     \@addtoreset{#1}{chapter}%
13984     \@chapterlistsgap@on{#1}%
13985     \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
13986   \else
13987     \def\@tempb{section}%
13988     \ifx\@tempa\@tempb
13989       \@addtoreset{#1}{section}%
13990       \ifcsname c@chapter\endcsname
13991         \@addtoreset{#1}{chapter}%
13992         \@chapterlistsgap@on{#1}%
13993       \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
13994     \else
13995       \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
13996     \fi
13997   \else
13998     \newfloat@Error{Invalid value `#2' for option `within'}%
13999   \fi
14000 \fi
14001 \fi}

```

7.86 ntheorem-xetex-bidi.def

```

14002 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for]
14003 \gdef\@thm#1#2#3{%
14004   \if@thmmarks
14005     \stepcounter{end\InTheoType ctr}%
14006   \fi
14007   \renewcommand{\InTheoType}{#1}%
14008   \if@thmmarks
14009     \stepcounter{curr#1ctr}%
14010     \setcounter{end#1ctr}{0}%
14011   \fi
14012   \refstepcounter{#2}%
14013   \theorem@prework
14014   \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
14015   \ifvmode \advance\thm@topsepadd\partopsep\fi
14016   \trivlist

```



```

14017 \@topsep \theorempreskipamount
14018 \@topsepadd \thm@topsepadd % used by \@endparenv
14019 \advance\linewidth -\theorem@indent
14020 \advance\@totalleftmargin \theorem@indent
14021 \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14022 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.87 ntheorem-hyper-xetex-bidi.def

```

14023 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
14024 \gdef\@thm#1#2#3{%
14025   \if@thmmarks
14026     \stepcounter{end\InTheoType ctr}%
14027   \fi
14028   \renewcommand{\InTheoType}{#1}%
14029   \if@thmmarks
14030     \stepcounter{curr#1ctr}%
14031     \setcounter{end#1ctr}{0}%
14032   \fi
14033   \refstepcounter{#2}%
14034   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14035   \ifvmode \advance\thm@topsepadd\partopsep\fi
14036   \trivlist
14037   \@topsep \theorempreskipamount
14038   \@topsepadd \thm@topsepadd % used by \@endparenv
14039   \advance\linewidth -\theorem@indent
14040   \advance\@totalleftmargin \theorem@indent
14041   \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14042   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.88 overpic-xetex-bidi.def

```

14043 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for XeLaTeX]
14044 \renewenvironment{overpic}[2][{}]{%
14045   \sbox{\z@}{\includegraphics[#1]{#2}}%
14046   \settodepth{\@tempcnta}{\usebox{\z@}}%
14047   \settoheight{\@tempcntb}{\usebox{\z@}}%
14048   \advance\@tempcntb\@tempcnta%
14049   \settowidth{\@tempcnta}{\usebox{\z@}}%
14050   \setlength{\@tempdima}{\unitlength}%
14051   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14052 %
14053 \OVP@calc%
14054 %
14055 \begin{picture}(\@tempcnta,\@tempcntb)%
14056   \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14057   \ifGin@grid%
14058     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14059       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14060   \fi\fi%
14061   % reset the graphics parameter

```



```

14062 \let\Gin@outer@scalex\relax
14063 \let\Gin@outer@scaley\relax
14064 \let\Gin@angle\relax
14065 \let\Gin@ewidth\Gin@exclamation
14066 \let\Gin@eheight\Gin@ewidth
14067 \def\Gin@scalex{1}
14068 \let\Gin@scaley\Gin@exclamation
14069 }{%
14070 \if@RTL\ifGin@grid%
14071 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14072 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14073 \fi%
14074 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14075 \end{picture}%
14076 }%

```

7.89 pdfpages-xetex-bidi.def

```

14077 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
14078 \renewcommand*\includepdf}[2][]{%
14079 \begingroup
14080 \@RTLfalse
14081 \let\AM@threadname\relax
14082 \AM@split@options{pdfpages}{#1}%
14083 \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
14084 \expandafter\setkeys\AM@temp
14085 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
14086 \let\AM@currentdocname\relax
14087 \renewcommand\includegraphics[2][]{Survey in draft-mode}%
14088 \def\AM@pagecount{0}%
14089 }{%
14090 \AM@findfile{#2}%
14091 \if\AM@threadname\relax
14092 \def\AM@threadname{\AM@currentdocname}%
14093 \fi
14094 }%
14095 \ifAM@survey
14096 \def\AM@pagestemp{}%
14097 \@tempcnta=0
14098 \def\foo{%
14099 \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
14100 {\let\foo\relax}
14101 {\expandafter\ifx\expandafter\\AM@pagestemp\\
14102 \edef\AM@pagestemp{%
14103 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14104 \else
14105 \edef\AM@pagestemp{\AM@pagestemp,%
14106 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14107 \fi
14108 \advance\@tempcnta 1\relax

```



```

14109     }%
14110     \foo
14111   }%
14112   \foo
14113   \expandafter\ifx\expandafter\\AM@pagetemp\\
14114     \def\AM@pagetemp{1}%
14115   \fi
14116 \fi
14117 \ifAM@output
14118   \expandafter\AM@readlist\expandafter{\AM@pagetemp}%
14119   \AM@output{#1}%
14120 \fi
14121 \AM@CheckAtEnd
14122 \endgroup
14123 \AM@ClearShipoutPicture
14124 }

```

7.90 pgfcorescopes.code-xetex-bidi.def

```

14125 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf packa
14126 \def\pgfpicture{%
14127   \begingroup%
14128   \ifmmode\else\@RTLfalse\beginL\fi%
14129   \pgfpicturetrue%
14130   \global\advance\pgf@picture@serial@count by1\relax%
14131   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
14132   \let\pgf@nodecallback=\pgfutil@gobble%
14133   \pgf@picmaxx=-16000pt\relax%
14134   \pgf@picminx=16000pt\relax%
14135   \pgf@picmaxy=-16000pt\relax%
14136   \pgf@picminy=16000pt\relax%
14137   \pgf@relevantforpicturesizetrue%
14138   \pgf@resetpathsizes%
14139   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
14140 \def\endpgfpicture{%
14141   \ifpgfrememberpicturerepositiononpage%
14142     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
14143   \fi%
14144   % ok, now let's position the box
14145   \ifdim\pgf@picmaxx=-16000pt\relax%
14146     % empty picture. make size 0.
14147     \global\pgf@picmaxx=0pt\relax%
14148     \global\pgf@picminx=0pt\relax%
14149     \global\pgf@picmaxy=0pt\relax%
14150     \global\pgf@picminy=0pt\relax%
14151   \fi%
14152   % Shift baseline outside:
14153   \pgf@relevantforpicturesizefalse%
14154   \pgf@process{\pgf@baseline}%
14155   \xdef\pgf@shift@baseline{\the\pgf@y}%

```



```

14156          %
14157          \pgf@process{\pgf@trimleft}%
14158          \global\advance\pgf@x by-\pgf@picminx
14159          % prepare \hskip\pgf@trimleft@final.
14160          % note that \pgf@trimleft@final is also queried
14161          % by the pgf image externalization.
14162          \xdef\pgf@trimleft@final{-\the\pgf@x}%
14163          %
14164          \pgf@process{\pgf@trimright}%
14165          \global\advance\pgf@x by-\pgf@picmaxx
14166          % prepare \hskip\pgf@trimright@final.
14167          % note that \pgf@trimright@final is also queried
14168          % by the pgf image externalization.
14169          \xdef\pgf@trimright@final{\the\pgf@x}%
14170          %
14171          \pgf@remember@layerlist@globally
14172          \endgroup%
14173          \hss%
14174          \egroup%
14175          \pgf@restore@layerlist@from@global
14176          \pgf@insertlayers%
14177          \endgroup%
14178          \pgfsys@discardpath%
14179          \endgroup%
14180          \pgfsys@endscope%
14181          \pgfsys@endpicture%
14182          \endgroup%
14183          \hss
14184          \egroup%
14185          \pgfsys@typesetpicturebox\pgfpic%
14186          \ifmmode\else\endL\fi%
14187          \endgroup%
14188 }

```

7.91 picinpar-xetex-bidi.def

```

14189 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
14190 \long\def\@makewincaption#1#2{%
14191   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
14192   \ifdim\wd\@tempboxa>\picwd
14193     {\footnotesize{\bf #1:\enspace}{#2\par}}
14194   \else
14195     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14196   \fi}
14197 \def\endwindow{%
14198   \global\tcd=\tcdsav
14199   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14200   \vbadness=10000
14201   \splittopskip=0pt
14202 %

```



```

14203 % Typeset the lines above the window
14204 %
14205 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14206 \tcn=\tcd
14207 \loop\advance\tcn -1
14208 \setbox\fslice=\vsplit\holder to\baselineskip
14209 \prune\fslice\linewidth
14210 \topheight=0pt
14211 \ifnum\dp\fslice>\dp\wstrutbox
14212     \advance\topheight-\dp\fslice
14213     \advance\topheight\dp\wstrutbox
14214     \advance\topheight\ilg\fi
14215 \hbox to\linewidth{\box\fslice}
14216 \vskip-\topheight
14217 \ifdim\ht\holder>0pt\repeat
14218 \fi
14219 %
14220 % Now we build the boxes beside the window
14221 %
14222 \global\topheight=\tcl\baselineskip
14223 \ifnum\cumpartcl>0\global\tcl=\cumtcl
14224     \global\topheight=\vpic
14225 \fi
14226 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
14227 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14228 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14229 \tcn=\tcl \na=0 \nb=0
14230 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14231 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14232 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
14233 \ifnum\na=0\ifnum\nb=0
14234     \setbox\waslice=\vbox to\vpic{\vss}
14235     \setbox\wbslice=\vbox to\vpic{\vss}
14236     \bl=1\br=1
14237     \vskip\ilg
14238 \fi\fi
14239 %
14240 % both sides
14241 %
14242 \ifnum\na>0 \ifnum\nb>0
14243 \loop\advance\nb -1
14244 \advance\na -1
14245 \if@RTL%
14246 \setbox\bslice=\vsplit\holder to\baselineskip
14247 \prune\bslice\rtside
14248 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14249 to\rtside{\box\bslice\hfil}}
14250 \setbox\aslice=\vsplit\holder to\baselineskip
14251 \prune\aslice\lftside
14252 \setbox\waslice=\vbox{\unvbox\waslice\hbox

```



```

14253 to\lftside{\box\aslice\hfil}}
14254 \else%
14255 \setbox\aslice=\vsplit\holder to\baselineskip
14256 \prune\aslice\lftside
14257 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14258 to\lftside{\box\aslice\hfil}}
14259 \setbox\bslice=\vsplit\holder to\baselineskip
14260 \prune\bslice\rtside
14261 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14262 to\rtside{\box\bslice\hfil}}
14263 \fi%
14264 \ifnum\nb>0\repeat
14265 \fi\fi
14266 %
14267 % only text on the left side
14268 %
14269 \ifnum\na>0
14270   \loop\advance\na -1
14271   \setbox\aslice=\vsplit\holder to\baselineskip
14272   \prune\aslice\lftside
14273   \setbox\waslice=\vbox{\unvbox\waslice\hbox
14274   to\lftside{\box\aslice\hfil}}
14275   \ifdim\ht\holder>0pt\repeat
14276 \fi
14277 %
14278 % only text on the right side
14279 %
14280 \ifnum\nb>0
14281   \loop\advance\nb -1
14282   \setbox\bslice=\vsplit\holder to\baselineskip
14283   \prune\bslice\rtside
14284   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14285   to\rtside{\box\bslice\hfil}}
14286   \ifdim\ht\holder>0pt\repeat
14287 \fi
14288 %
14289 % fixing the dimensions of the window part
14290 %
14291 \ifnum\bl=0\topheight=\ht\wbslice
14292 \else\ifnum\br=0\topheight=\ht\waslice
14293   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
14294   \else\topheight=\ht\wbslice\fi\fi\fi
14295 %
14296 % ship out the window material to the main vertical list
14297 %
14298 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
14299 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
14300 \fi\fi\fi
14301 \setbox>windowbox=\vbox{\hbox to\linewidth{%
14302 \ifnum\bl>0\box\waslice\hfill\fi%

```



```

14303 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
14304 \vfill\unvbox\picbox%
14305 \ifnum\picwd>0\vfill\fi%
14306 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
14307 \unvbox\windowbox%
14308 \loop
14309 \setbox\bslice=\vsplit\rawtext to\baselineskip
14310 \prune\bslice\linewidth
14311 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
14312 \unvbox\wbslice
14313 \ifdim\ht\rawtext>0pt
14314 \repeat
14315 }% FINITO

```

7.92 plain-xetex-bidi.def

```

14316 \def\TeXeTOn{\TeXeTstate=1 }
14317 \def\TeXeTOff{\TeXeTstate=0 }
14318 \TeXeTOn
14319 \def\usebox#1{\leavevmode\copy #1\relax}
14320 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox{
14321 \let\bidi@o@everypar=everypar
14322 \newtoks\bidi@n@everypar
14323 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
14324 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
14325 \let\everypar=\bidi@n@everypar
14326 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
14327 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
14328 \protected\def\hboxR{\hbox\bgroup
14329 \everyhbox{%
14330 \aftergroup\egroup
14331 \everyhbox{}}%
14332 \beginR
14333 \bgroup
14334 \aftergroup\endR
14335 \aftergroup\egroup
14336 }\hbox}
14337 \protected\def\hboxL{\hbox\bgroup
14338 \everyhbox{%
14339 \aftergroup\egroup
14340 \everyhbox{}}%
14341 \beginL
14342 \bgroup
14343 \aftergroup\endL
14344 \aftergroup\egroup
14345 }\hbox}
14346 \protected\def\vboxR{\vbox\bgroup
14347 \everyvbox{%
14348 \aftergroup\egroup
14349 \everyvbox{}}%

```




```

14350 \RTLtrue
14351 \bgroup
14352 \aftergroup\egroup
14353 }\vbox}
14354 \protected\def\vboxL{\vbox\bgroup
14355 \everyvbox{%
14356 \aftergroup\egroup
14357 \everyvbox{}}%
14358 \RTLfalse
14359 \bgroup
14360 \aftergroup\egroup
14361 }\vbox}
14362 \def\LTR{\par\RTLfalse\RTL@footnotefalse\hsize\linewidth\parshape\z@}
14363 \def\endLTR{\par}
14364 \def\RTL{\par\RTLtrue\RTL@footnotetrue\hsize\linewidth\parshape\z@}
14365 \def\endRTL{\par}
14366 \def\setRTL{\@RTLtrue\RTL@footnotetrue}
14367 \def\setLTR{\@RTLfalse\RTL@footnotefalse}
14368 \let\unsetRTL=\setLTR
14369 \let\unsetLTR=\setRTL
14370 \let\LR=\LRE
14371 \let\RL=\RLE
14372 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
14373 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
14374 \let\@ensure@RL=\@ensure@RTL
14375 \let\@ensure@LR=\@ensure@LTR
14376 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
14377 \let\@ensure@maindir=\@ensure@dir
14378 \def\@RTL{RTL}
14379 \def\@LTR{LTR}
14380 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
14381 \def\reset@dir{\ifx\save@@dir\@RTL\setRTL\else\ifx\save@@dir\@LTR\setLTR\else\relax\fi}
14382 \let\@TeX\TeX
14383 \def\TeX{\@ensure@LTR{\@TeX}}
14384 \long\def\@bidi@reflect@box#1{%
14385 \leavevmode
14386 \setbox\z@\hbox{{#1}}%
14387 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
14388 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
14389 }
14390 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
14391 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
14392 \let\setRL=\setRTL
14393 \let\setLR=\setLTR
14394 \let\unsetRL=\setLTR
14395 \let\@bidi@sav@eqno=\eqno
14396 \let\@bidi@sav@leqno=\leqno
14397 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@leqno \else \@bidi@sav@eqno \fi}
14398 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@eqno \else \@bidi@sav@leqno \fi}
14399 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}

```



```

14400 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14401 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

7.93 pstricks-xetex-bidi.def

```

14402 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for
14403 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
14404 \def\endpspicture{%
14405   \ifshowgrid\ifnum\showgridp>0
14406     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
14407   \pst@killglue
14408 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
14409   \endgroup
14410   \egroup
14411   \ifdim\wd\pst@hbox=\z@ \else
14412     %\@pstrickserr{Extraneous space in the pspicture environment}%
14413     %\Type \space <return> \space to proceed.}%
14414   \fi
14415   \ht\pst@hbox=\pst@dimd
14416   \dp\pst@hbox=-\pst@dimb
14417   \setbox\pst@hbox=\hbox{%
14418     \kern-\pst@dimd
14419 %   Orig version -----
14420 %\ifx\pst@tempa\@empty\else
14421 %\advance\pst@dimd-\pst@dimb
14422 %\pst@dimd=\pst@tempa\pst@dimd
14423 %\advance\pst@dimd\pst@dimb
14424 %\lower\pst@dimd
14425 %\fi
14426 %----- end Orig
14427   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}%   shift=*
14428     \advance\pst@dimd-\pst@dimb
14429     \pst@dimd=0.5\pst@dimd
14430   \else\pst@dimd-\pst@shift\fi
14431   \advance\pst@dimd\pst@dimb
14432   \lower\pst@dimd
14433   \box\pst@hbox
14434   \kern\pst@dimc}%
14435   \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
14436   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
14437     \fboxsep=0pt
14438     \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
14439   \ifmmode\else\endL\fi
14440   \endgroup%
14441   \psset[pstricks]{shift=0}% reset value
14442 }

```

7.94 quotchap-xetex-bidi.def

```

14443 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
14444 \renewcommand{\qauthor}[1]{%

```



```

14445 \par\smallskip
14446 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qquad\hbox{}\par}\bigskip}
14447 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
14448 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
14449 {\chapnumfont
14450 \ifnum \c@secnumdepth >\m@ne%
14451 \if@mainmatter\thechapter%
14452 \fi\fi
14453 \par\nobreak}%
14454 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi10em
14455 \nobreak\chapterheadendvskip}}
14456 \renewcommand*{\@iprintcites}{%
14457 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
14458 \global\let\@printcites\relax}

```

7.95 ragged2e-xetex-bidi.def

```

14459 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
14460 \renewcommand{\Centering}{%
14461 \ifx\\@raggedtwoe@savedcr
14462 \let\\@centercr
14463 \fi
14464 \let\@gnewline\@raggedtwoe@gnewline
14465 \if@RTL\rightrightskip\else\leftskip\fi\CenteringLeftskip
14466 \@rightskip\CenteringRightskip
14467 \if@RTL\leftskip\else\rightrightskip\fi\@rightskip
14468 \parfillskip\CenteringParfillskip
14469 \parindent\CenteringParindent
14470 \@raggedtwoe@spaceskiptrue
14471 \@raggedtwoe@everyselectfont
14472 }
14473 \renewcommand{\RaggedLeft}{%
14474 \ifx\\@raggedtwoe@savedcr
14475 \let\\@centercr
14476 \fi
14477 \let\@gnewline\@raggedtwoe@gnewline
14478 \if@RTL\rightrightskip\else\leftskip\fi\RaggedLeftLeftskip
14479 \@rightskip\RaggedLeftRightskip
14480 \if@RTL\leftskip\else\rightrightskip\fi\@rightskip
14481 \parfillskip\RaggedLeftParfillskip
14482 \parindent\RaggedLeftParindent
14483 \@raggedtwoe@spaceskiptrue
14484 \@raggedtwoe@everyselectfont
14485 }
14486 \renewcommand{\RaggedRight}{%
14487 \ifx\\@raggedtwoe@savedcr
14488 \let\\@centercr
14489 \fi
14490 \let\@gnewline\@raggedtwoe@gnewline
14491 \if@RTL\rightrightskip\else\leftskip\fi\RaggedRightLeftskip

```



```

14492 \@rightskip\RaggedRightRightskip
14493 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14494 \parfillskip\RaggedRightParfillskip
14495 \parindent\RaggedRightParindent
14496 \@raggedtwo@spaceskiptrue
14497 \@raggedtwo@everyselectfont
14498 }
14499 \renewcommand{\justifying}{%
14500 \let\\@raggedtwo@savedcr
14501 \let\@gnewline\@raggedtwo@saved@gnewline
14502 \if@RTL\rightskip\else\leftskip\fi\z@
14503 \@rightskip\z@
14504 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14505 \parfillskip\JustifyingParfillskip
14506 \parindent\JustifyingParindent
14507 \@raggedtwo@spaceskipfalse
14508 \@raggedtwo@everyselectfont
14509 }
14510 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{%
14511 \CheckCommand*{\@arrayparboxrestore}{%
14512 \let\if@nobreak\iffalse
14513 \let\if@noskipsec\iffalse
14514 \let\par\@par
14515 \let\-\@dischyph
14516 \let'\@acci\let\` \@accii\let\=\@acciii
14517 \parindent\z@ \parskip\z@skip
14518 \everypar{}%
14519 \linewidth\hsize
14520 \@totalleftmargin\z@
14521 \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
14522 \parfillskip\@flushglue \lineskip\normallineskip
14523 \baselineskip\normalbaselineskip
14524 \sloppy}%
14525 \renewcommand{\@arrayparboxrestore}{%
14526 \let\if@nobreak\iffalse
14527 \let\if@noskipsec\iffalse
14528 \let\par\@par
14529 \let\-\@dischyph
14530 \let'\@acci\let\` \@accii\let\=\@acciii
14531 \parskip\z@skip
14532 \everypar{}%
14533 \linewidth\hsize
14534 \@totalleftmargin\z@
14535 \RaggedRight
14536 \lineskip\normallineskip
14537 \baselineskip\normalbaselineskip
14538 \sloppy}%
14539 \let\@raggedtwo@raggedrightboxes@opt\relax
14540 }
14541 \let\origin@RaggedLeft=\RaggedLeft

```



```

14542 \let\origin@RaggedRight=\RaggedRight
14543 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
14544 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.96 rapport1-xetex-bidi.def

```

14545 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for Xe
14546 \renewenvironment{theindex}{%
14547   \if@twocolumn
14548     \@restonecolfalse
14549   \else
14550     \@restonecoltrue
14551   \fi
14552   \columnseprule \z@
14553   \columnsep 35\p@
14554   \twocolumn[\@makeschapterhead{\indexname}]%
14555   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
14556   \thispagestyle{plain}\parindent\z@
14557   \parskip\z@ \@plus .3\p@\relax
14558   \let\item\@idxitem
14559 }{%
14560   \if@restonecol\onecolumn\else\clearpage\fi}
14561 \renewcommand*\head@style{%
14562   \interlinepenalty \@M
14563   \hyphenpenalty=\@M \exhyphenpenalty=\@M
14564   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14565 \if@titlepage
14566   \renewenvironment{abstract}{%
14567     \titlepage
14568     \null\vfil
14569     \section*{\SectFont\abstractname}%
14570     \noindent\ignorespaces}
14571   {\par\vfil\null\endtitlepage}
14572 \else
14573   \renewenvironment{abstract}{%
14574     \if@twocolumn
14575       \section*{\abstractname}%
14576     \else
14577       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
14578       \section*{\small\SectFont\abstractname}%
14579       \noindent\ignorespaces
14580     \fi}
14581   {\if@twocolumn\else\par\egroup\fi}
14582 \fi
14583 \renewcommand*\@regtocline[3]{%
14584   \ifnum #1>\c@tocdepth
14585   \else
14586     \vskip\z@ \@plus .2\p@
14587     {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
14588     \if@RTL\rightskip\else\leftskip\fi\unitindent

```



```

14589 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14590 \parfillskip\z@
14591 \@tempdima\unitindent
14592 \parindent\z@
14593 \leavevmode
14594 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14595 \hskip 1em \nobreak{\slshape #3}\par
14596 }%
14597 \fi}
14598 \if@oldtoc
14599 \renewcommand*\l@part[2]{%
14600 \ifnum \c@tocdepth >-2\relax
14601 \addpenalty{-\@highpenalty}%
14602 \addvspace{2.25em \@plus\p@}%
14603 \begingroup
14604 \setlength\@tempdima{3em}%
14605 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14606 \parfillskip -\@pnumwidth
14607 {\leavevmode
14608 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14609 \nobreak
14610 \global\@nobreaktrue
14611 \everypar{\global\@nobreakfalse\everypar{}}%
14612 \endgroup
14613 \fi}
14614 \else
14615 \renewcommand*\l@part{%
14616 \ifnum \c@tocdepth >-2\relax
14617 \addpenalty{-\@highpenalty}%
14618 \addvspace{2.25em \@plus\p@}%
14619 \@regtocline{0}%
14620 \fi}
14621 \fi
14622 \if@oldtoc
14623 \renewcommand*\l@chapter[2]{%
14624 \addpenalty{-\@highpenalty}%
14625 \vskip 1.0em \@plus\p@
14626 \setlength\@tempdima{1.5em}%
14627 \begingroup
14628 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14629 \parfillskip -\@pnumwidth
14630 \leavevmode \bfseries
14631 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14632 \hskip -\if@RTL\rightskip\else\leftskip\fi
14633 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14634 \penalty\@highpenalty
14635 \endgroup}
14636 \else
14637 \renewcommand*\l@chapter{\@regtocline{0}}
14638 \fi

```



```

14639 \renewcommand*\left@footnoterule{%
14640   \kern-3\p@
14641   \kern.5\baselineskip
14642   \hrule\@width\unitindent
14643   \kern.4\baselineskip
14644 }
14645 \renewcommand*\right@footnoterule{%
14646   \kern-3\p@
14647   \kern.5\baselineskip
14648   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14649   \kern.4\baselineskip}
14650 \renewenvironment{thebibliography}[1]
14651   {\chapter*{\bibname}%
14652    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14653    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14654    \list{\@biblabel{\@arabic\c@enumiv}}%
14655      {\settowidth\labelwidth{\@biblabel{#1}}%
14656       \leftmargin\labelwidth
14657       \advance\leftmargin\labelsep
14658       \@openbib@code
14659       \usecounter{enumiv}%
14660       \let\p@enumiv\@empty
14661       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14662     \sloppy\clubpenalty4000\widowpenalty4000%
14663     \sfcode`\.\@m}
14664   {\def\@noitemerr
14665    {\@latex@warning{Empty `thebibliography' environment}}%
14666    \endlist}
14667 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14668 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14669 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14670 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14671 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14672 \renewcommand*\theequation{%
14673   \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14674 \renewcommand*\thefigure{%
14675   \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@figure}
14676 \renewcommand*\thetable{%
14677   \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@table}
14678 \if@titlepage
14679 \renewcommand*\TitleFont{\rmfamily}
14680 \renewcommand*\maketitle{%
14681   \begin{titlepage}%
14682     \let\footnotesize\small
14683     \let\right@footnoterule\relax
14684     \let\left@footnoterule\relax
14685     \let\textwidth@footnoterule\relax
14686     \let \footnote \thanks
14687     \long\def\@makefnmark##1{\parindent z@
14688       \def\labelitemi{\textendash}\@revlabeltrue

```



```

14689         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14690     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14691     \if@compatibility\setcounter{page}{0}\fi
14692     \null\vfil
14693     \vskip 60\p@
14694     \begin{center}%
14695         \TitleFont
14696         {\LARGE \def\\{\penalty -\@M}
14697         \if@allcaps
14698             \expandafter\uc@nothanks\@title\thanks\relax
14699         \else
14700             \@title
14701         \fi\par}%
14702     \vskip 3em%
14703     {\large
14704     \lineskip .75em \parindent\z@
14705     \begin{tabular}[t]{c}%
14706         \if@allcaps
14707             \expandafter\uc@authornothanks\@author\and\relax
14708         \else
14709             \@author
14710         \fi
14711     \end{tabular}\par}%
14712     \vskip 1.5em%
14713     {\large
14714     \if@allcaps
14715         \uppercase\expandafter{\@date}%
14716     \else
14717         \@date
14718     \fi\par}%
14719     \end{center}\par
14720     \@thanks
14721     \vfil\null
14722 \end{titlepage}%
14723 \setcounter{footnote}{0}%
14724 \global\let\thanks\relax
14725 \global\let\maketitle\relax
14726 \global\let\@thanks\@empty
14727 \global\let\@author\@empty
14728 \global\let\@title\@empty
14729 \global\let\@date\@empty
14730 \global\let\title\relax
14731 \global\let\author\relax
14732 \global\let\date\relax
14733 \global\let\and\relax
14734 }
14735 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14736 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14737     \futurelet\@tempa\uc@ax}
14738 \def\uc@ax{%

```




```

14739 \ifx\@tempa\relax
14740 \else
14741   \\\andname \\\expandafter\uc@authornothanks
14742 \fi}
14743 \def\uc@tx{\ifx\@tempa\relax
14744   \else \expandafter\uc@ty \fi}
14745 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14746 \else
14747 \renewcommand*\maketitle{\par
14748 \begingroup
14749   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14750   \def\@makefnmark{\rlap{%
14751     \@textsuperscript{\normalfont\@thefnmark}}}%
14752   \long\def\@makefntext{\@xmakefntext{%
14753     \@textsuperscript{\normalfont\@thefnmark}}}%
14754   \if@twocolumn
14755     \ifnum \col@number=\@one
14756       \@maketitle
14757     \else
14758       \twocolumn[\@maketitle]%
14759     \fi
14760   \else
14761     \newpage
14762     \global\@topnum\z@
14763     \@maketitle
14764   \fi
14765   \thispagestyle{plain}\@thanks
14766 \endgroup
14767 \setcounter{footnote}{0}%
14768 \global\let\thanks\relax
14769 \global\let\maketitle\relax
14770 \global\let\@maketitle\relax
14771 \global\let\@thanks\@empty
14772 \global\let\@author\@empty
14773 \global\let\@title\@empty
14774 \global\let\@date\@empty
14775 \global\let\title\relax
14776 \global\let\author\relax
14777 \global\let\date\relax
14778 \global\let\and\relax
14779 }
14780 \def\@maketitle{%
14781   \newpage
14782   \null
14783   \vskip 2em%
14784   \begin{center}%
14785     \let \footnote \thanks
14786     {\LARGE \TitleFont \@title \par}%
14787     \vskip 1.5em%
14788     {\large \TitleFont

```



```

14789      \lineskip .5em%
14790      \begin{tabular}[t]{c}%
14791          \@author
14792      \end{tabular}\par}%
14793      \vskip 1em%
14794      {\large \TitleFont \@date}%
14795  \end{center}%
14796  \par
14797  \vskip 1.5em}
14798 \fi

```

7.97 rapport3-xetex-bidi.def

```

14799 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
14800 \renewenvironment{theindex}{%
14801     \if@twocolumn
14802         \@restonecolfalse
14803     \else
14804         \@restonecoltrue
14805     \fi
14806     \columnseprule \z@
14807     \columnsep 35\p@
14808     \twocolumn[\@makeschapterhead{\indexname}]{%
14809         \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
14810     \thispagestyle{plain}\parindent\z@
14811     \parskip\z@ \@plus .3\p@\relax
14812     \let\item\@idxitem
14813     }{%
14814     \if@restonecol\onecolumn\else\clearpage\fi}
14815 \if@titlepage
14816 \renewcommand*\TitleFont{\rmfamily}
14817 \renewcommand*\maketitle{%
14818     \begin{titlepage}%
14819         \let\footnotesize\small
14820         \let\right@footnoterule\relax
14821         \let\left@footnoterule\relax
14822         \let\textwidth\footnoterule\relax
14823         \let \footnote \thanks
14824         \let \LTRfootnote \LTRthanks
14825         \let \RTLfootnote \RTLthanks
14826         \long\def\@makefnmark##1{\parindent\z@
14827             \def\labelitemi{\textendash}\@revlabeltrue
14828             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14829         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14830         \if@compatibility\setcounter{page}{0}\fi
14831         \null\vfil
14832         \vskip 60\p@
14833         \begin{center}%
14834             \TitleFont
14835             {\LARGE \def\\{\penalty -\@M}

```



```

14836         \if@allcaps
14837             \expandafter\uc@nothanks\@title\thanks\relax
14838         \else
14839             \@title
14840         \fi\par}%
14841     \vskip 3em%
14842     {\large
14843     \lineskip .75em \parindent\z@
14844     \begin{tabular}[t]{c}%
14845         \if@allcaps
14846             \expandafter\uc@authornothanks\@author\and\relax
14847         \else
14848             \@author
14849         \fi
14850     \end{tabular}\par}%
14851     \vskip 1.5em%
14852     {\large
14853     \if@allcaps
14854         \uppercase\expandafter{\@date}%
14855     \else
14856         \@date
14857     \fi\par}%
14858     \end{center}\par
14859     \@thanks
14860     \vfil\null
14861 \end{titlepage}%
14862 \setcounter{footnote}{0}%
14863 \global\let\thanks\relax
14864 \global\let\LTRthanks\relax
14865 \global\let\RTLthanks\relax
14866 \global\let\maketitle\relax
14867 \global\let\@thanks\@empty
14868 \global\let\@author\@empty
14869 \global\let\@title\@empty
14870 \global\let\@date\@empty
14871 \global\let\title\relax
14872 \global\let\author\relax
14873 \global\let\date\relax
14874 \global\let\and\relax
14875 }
14876 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14877 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14878     \futurelet\@tempa\uc@ax}
14879 \def\uc@ax{%
14880     \ifx\@tempa\relax
14881     \else
14882         \\\andname \\\ \expandafter\uc@authornothanks
14883     \fi}
14884 \def\uc@tx{\ifx\@tempa\relax
14885     \else \expandafter\uc@ty \fi}

```



```

14886 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14887 \else
14888 \renewcommand*\maketitle{\par
14889   \beginngroup
14890     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14891     \def\@makefnmark{\rlap{%
14892       \@textsuperscript{\normalfont\@thefnmark}}}%
14893     \long\def\@makefntext{\@xmakefntext{%
14894       \@textsuperscript{\normalfont\@thefnmark}}}%
14895     \if@twocolumn
14896       \ifnum \col@number=\@ne
14897         \maketitle
14898       \else
14899         \twocolumn[\maketitle]%
14900       \fi
14901     \else
14902       \newpage
14903       \global\@topnum\z@
14904       \maketitle
14905     \fi
14906     \thispagestyle{plain}\@thanks
14907   \endgroup
14908   \setcounter{footnote}{0}%
14909   \global\let\thanks\relax
14910   \global\let\LTRthanks\relax
14911   \global\let\RTLthanks\relax
14912   \global\let\maketitle\relax
14913   \global\let\@maketitle\relax
14914   \global\let\@thanks\@empty
14915   \global\let\@author\@empty
14916   \global\let\@title\@empty
14917   \global\let\@date\@empty
14918   \global\let\title\relax
14919   \global\let\author\relax
14920   \global\let\date\relax
14921   \global\let\and\relax
14922 }
14923 \def\@maketitle{%
14924   \newpage
14925   \null
14926   \vskip 2em%
14927   \if@titlecentered
14928     \begin{center}%
14929       \let \footnote \thanks
14930       \let \LTRfootnote \LTRthanks
14931       \let \RTLfootnote \RTLthanks
14932       {\LARGE \TitleFont \@title \par}%
14933       \vskip 1.5em%
14934       {\large \TitleFont
14935         \lineskip .5em%

```



```

14936      \begin{tabular}[t]{c}%
14937          \@author
14938      \end{tabular}\par}%
14939      \vskip 1em%
14940      {\large \TitleFont \@date}%
14941      \end{center}}%
14942  \else
14943      {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
14944      {\large \TitleFont \lineskip .5em \tabcolsep\z@
14945          \def\and{%% \begin{tabular} has already started
14946              \end{tabular}\hskip 1em plus .17fil
14947              \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
14948              \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
14949      \vskip 1em {\large \TitleFont \@date}
14950  \fi
14951  \par
14952  \vskip 1.5em}
14953 \fi
14954 \renewcommand*\@regtocline[3]{%
14955     \ifnum #1>\c@tocdepth
14956     \else
14957         \vskip\z@\@plus.2\p@
14958         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14959         \if@RTL\rightskip\else\leftskip\fi\unitindent
14960         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14961         \parfillskip\z@
14962         \@tempdima\unitindent
14963         \parindent\z@
14964         \leavevmode
14965         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14966         \hskip 1em \nobreak{\slshape #3}\par
14967         }%
14968     \fi}
14969 \if@oldtoc
14970 \renewcommand*\l@part[2]{%
14971     \ifnum \c@tocdepth >-2\relax
14972         \addpenalty{-\@highpenalty}%
14973         \addvspace{2.25em \@plus\p@}%
14974         \begingroup
14975             \setlength\@tempdima{3em}%
14976             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14977             \parfillskip -\@pnumwidth
14978             {\leavevmode
14979                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14980                 \nobreak
14981                 \global\@nobreaktrue
14982                 \everypar{\global\@nobreakfalse\everypar{}}%
14983             \endgroup
14984         \fi}
14985 \else

```



```

14986 \renewcommand*\l@part{%
14987     \ifnum \c@tocdepth >-2\relax
14988     \addpenalty{-\@highpenalty}%
14989     \addvspace{2.25em \@plus \p}%
14990     \@regtocline{0}%
14991 \fi}
14992 \fi
14993 \if@oldtoc
14994 \renewcommand*\l@chapter[2]{%
14995     \addpenalty{-\@highpenalty}%
14996     \vskip 1.0em \@plus\p@
14997     \setlength\@tempdima{1.5em}%
14998     \begingroup
14999     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15000     \parfillskip -\@pnumwidth
15001     \leavevmode \bfseries
15002     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15003     \hskip -\if@RTL\rightskip\else\leftskip\fi
15004     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15005     \penalty\@highpenalty
15006 \endgroup}
15007 \else
15008 \renewcommand*\l@chapter{\@regtocline{0}}
15009 \fi
15010 \renewcommand*\head@style{%
15011     \interlinepenalty \@M
15012     \hyphenpenalty=\@M \exhyphenpenalty=\@M
15013     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15014 \if@titlepage
15015 \renewenvironment{abstract}{%
15016     \titlepage
15017     \null\vfil
15018     \section*\SectFont\abstractname}%
15019     \noindent\ignorespaces}
15020     {\par\vfil\null\endtitlepage}
15021 \else
15022 \renewenvironment{abstract}{%
15023     \if@twocolumn
15024     \section*\abstractname}%
15025     \else
15026     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15027     \section*\small\SectFont\abstractname}%
15028     \noindent\ignorespaces
15029 \fi}
15030 {\if@twocolumn\else\par\egroup\fi}
15031 \fi
15032 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15033 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15034 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15035 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}

```



```

15036 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15037 \renewcommand*\thefigure{%
15038   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15039 \renewcommand*\thetable{%
15040   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15041 \renewcommand*\theequation{%
15042   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
15043 \renewenvironment{thebibliography}[1]
15044   {\chapter*\bibname}%
15045   {\mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15046   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15047   \list{\@biblabel{\@arabic\c@enumiv}}%
15048     {\settowidth\labelwidth{\@biblabel{#1}}%
15049     \leftmargin\labelwidth
15050     \advance\leftmargin\labelsep
15051     \@openbib@code
15052     \usecounter{enumiv}%
15053     \let\p@enumiv\@empty
15054     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15055   \sloppy\clubpenalty4000\widowpenalty4000%
15056   \sfcode`\.\@m}
15057   {\def\@noitemerr
15058     {\@latex@warning{Empty `thebibliography' environment}}%
15059     \endlist}
15060 \renewcommand*\left@footnoterule{%
15061   \kern-3\p@
15062   \kern.5\baselineskip
15063   \hrule\@width\unitindent
15064   \kern.4\baselineskip
15065 }
15066 \renewcommand*\right@footnoterule{%
15067   \kern-3\p@
15068   \kern.5\baselineskip
15069   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15070   \kern.4\baselineskip}
15071 \renewcommand*\head@style{%
15072   \interlinepenalty \@M
15073   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15074   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.98 refrep-xetex-bidi.def

```

15075 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX]
15076 \if@titlepage
15077   \renewcommand\maketitle{\begin{titlepage}%
15078     \let\footnotesize\small
15079     \let\right@footnoterule\relax
15080     \let\left@footnoterule\relax
15081     \let\textwidth\footnoterule\relax
15082     \let\footnote\thanks

```



```

15083 \let\LTRfootnote\LTRthanks
15084 \let\RTLfootnote\RTLthanks
15085 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15086 \def\@makefnmark%
15087     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15088 \long\def\@makefntext##1{%
15089     \setpar{\@par
15090         \tempdima = \hsize
15091         \advance\tempdima -1em
15092         \parshape \@ne 1em \tempdima}%
15093     \par\parindent 1em \noindent
15094     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15095 \null\vfil
15096 \vskip 60\p@
15097 \begin{center}%
15098     {\LARGE \@title \par}%
15099     \vskip 3em%
15100     {\large
15101         \lineskip .75em%
15102         \begin{tabular}[t]{c}%
15103             \@author
15104         \end{tabular}\par}%
15105     \vskip 1.5em%
15106     {\large \@date \par}%           % Set date in \large size.
15107 \end{center}\par
15108 \@thanks
15109 \vfil\null
15110 \end{titlepage}%
15111 \setcounter{footnote}{0}%
15112 \global\let\thanks\relax
15113 \global\let\LTRthanks\relax
15114 \global\let\RTLthanks\relax
15115 \global\let\maketitle\relax
15116 \global\let\@thanks\@empty
15117 \global\let\@author\@empty
15118 \global\let\@date\@empty
15119 \global\let\@title\@empty
15120 \global\let\title\relax
15121 \global\let\author\relax
15122 \global\let\date\relax
15123 \global\let\and\relax
15124 }
15125 \else
15126 \renewcommand\maketitle{\par
15127     \begingroup
15128     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15129     \def\@makefnmark%
15130         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15131     \long\def\@makefntext##1{%
15132         \setpar{\@par

```




```

15133         \@tempdima = \hsize
15134         \advance\@tempdima -1em
15135         \parshape \@ne 1em \@tempdima}%
15136     \par\parindent 1em \noindent
15137     \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15138 \if@twocolumn
15139     \ifnum \col@number=\@ne
15140         \@maketitle
15141     \else
15142         \twocolumn[\@maketitle]%
15143     \fi
15144 \else
15145     \newpage
15146     \global\@topnum\z@    % Prevents figures from going at top of page.
15147     \@maketitle
15148 \fi
15149 \thispagestyle{empty}\@thanks
15150 \endgroup
15151 \setcounter{footnote}{0}%
15152 \global\let\thanks\relax
15153 \global\let\LTRthanks\relax
15154 \global\let\RTLthanks\relax
15155 \global\let\maketitle\relax
15156 \global\let\@maketitle\relax
15157 \global\let\@thanks\@empty
15158 \global\let\@author\@empty
15159 \global\let\@date\@empty
15160 \global\let\@title\@empty
15161 \global\let\title\relax
15162 \global\let\author\relax
15163 \global\let\date\relax
15164 \global\let\and\relax
15165 }
15166 \def\@maketitle{%
15167     \newpage
15168     \null
15169     \longthickrule\vskip1.5em%
15170     \let \footnote \thanks
15171     \let \LTRfootnote \LTRthanks
15172     \let \RTLfootnote \RTLthanks
15173     {\secshape \parskip\z@ \parindent\z@
15174     \Large\bfseries \@title \par}%
15175     \vskip1.5em\longthickrule\vskip1.5em%
15176     {\normalsize
15177     \lineskip .5em%
15178     \begin{flushright}%
15179         {\slshape\@author\par}
15180         \vskip 1em%
15181         {\@date}%
15182     \end{flushright}\par}%

```



```

15183 \vskip 1.5em}
15184 \fi
15185 \renewcommand*\l@part[2]{%
15186 \ifnum \c@tocdepth >-2\relax
15187 \addpenalty{-\@highpenalty}%
15188 \addvspace{2.25em \@plus\p@}%
15189 \begingroup
15190 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15191 \parfillskip -\@pnumwidth
15192 {\leavevmode
15193 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15194 \nobreak
15195 \global\@nobreaktrue
15196 \everypar{\global\@nobreakfalse\everypar{}}%
15197 \endgroup
15198 \fi}
15199 \renewcommand*\l@chapter[2]{%
15200 \ifnum \c@tocdepth >\m@ne
15201 \addpenalty{-\@highpenalty}%
15202 \vskip 1.0em \@plus\p@
15203 \setlength\@tempdima{1.5em}%
15204 \begingroup
15205 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15206 \parfillskip -\@pnumwidth
15207 \leavevmode \bfseries
15208 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15209 \hskip -\if@RTL\rightskip\else\leftskip\fi
15210 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15211 \penalty\@highpenalty
15212 \endgroup
15213 \fi}
15214 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15215 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
15216 \hyphenpenalty=2000}
15217 \renewcommand\left@footnoterule{%
15218 \kern-3\p@
15219 \hrule\@width.4\columnwidth
15220 \kern 2.6\p@}
15221 \renewcommand\right@footnoterule{%
15222 \kern-3\p@
15223 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15224 \kern2.6\p@}
15225 \renewcommand\theequation
15226 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15227 \renewcommand\thefigure
15228 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15229 \renewcommand\thetable%
15230 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15231 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15232 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

15233 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15234 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15235 \renewcommand\thesubparagraph {\thesubparagraph\@SepMark\@arabic\c@subparagraph}
15236 \renewenvironment{thebibliography}[1]
15237     {\chapter*{\bibname
15238         \@mkboth{\bibname}{\bibname}}}%
15239     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15240     \list{\@biblabel{\@arabic\c@enumiv}}%
15241         {\settowidth\labelwidth{\@biblabel{#1}}%
15242         \leftmargin\labelwidth
15243         \advance\leftmargin\labelsep
15244         \@openbib@code
15245         \usecounter{enumiv}%
15246         \let\p@enumiv\@empty
15247         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15248         \sloppy
15249         \clubpenalty4000
15250         \@clubpenalty \clubpenalty
15251         \widowpenalty4000%
15252     \sfcode`\.=\@m}
15253 \def\@noitemerr
15254     {\@latex@warning{Empty `thebibliography' environment}}%
15255 \endlist}

```

7.99 report-xetex-bidi.def

```

15256 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
15257 \renewenvironment{theindex}
15258     {\if@twocolumn
15259         \@restonecolfalse
15260         \else
15261         \@restonecoltrue
15262         \fi
15263         \columnseprule \z@
15264         \columnsep 35\p@
15265         \twocolumn[\@makeschapterhead{\indexname}]%
15266         \@mkboth{\MakeUppercase\indexname}%
15267             {\MakeUppercase\indexname}%
15268         \thispagestyle{plain}\parindent\z@
15269         \parskip\z@ \@plus .3\p@\relax
15270         \let\item\@idxitem}
15271     {\if@restonecol\onecolumn\else\clearpage\fi}
15272 \if@titlepage
15273 \renewcommand\maketitle{\begin{titlepage}%
15274 \let\footnotesize\small
15275 \let\right@footnoterule\relax
15276 \let\left@footnoterule\relax
15277 \let\textwidth\footnoterule\relax
15278 \let \footnote \thanks
15279 \let \LTRfootnote \LTRthanks

```



```

15280 \let \RTLfootnote \RTLthanks
15281 \null\vfil
15282 \vskip 60\p@
15283 \begin{center}%
15284   {\LARGE \@title \par}%
15285   \vskip 3em%
15286   {\large
15287     \lineskip .75em%
15288     \begin{tabular}[t]{c}%
15289       \@author
15290     \end{tabular}\par}%
15291   \vskip 1.5em%
15292   {\large \@date \par}%           % Set date in \large size.
15293 \end{center}\par
15294 \@thanks
15295 \vfil\null
15296 \end{titlepage}%
15297 \setcounter{footnote}{0}%
15298 \global\let\thanks\relax
15299 \global\let\LTRthanks\relax
15300 \global\let\RTLthanks\relax
15301 \global\let\maketitle\relax
15302 \global\let\@thanks\@empty
15303 \global\let\@author\@empty
15304 \global\let\@date\@empty
15305 \global\let\@title\@empty
15306 \global\let\title\relax
15307 \global\let\author\relax
15308 \global\let\date\relax
15309 \global\let\and\relax
15310 }
15311 \else
15312 \renewcommand\maketitle{\par
15313   \begingroup
15314     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15315     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15316     \long\def\@makefntext##1{\parindent 1em\noindent
15317       \hb@xt@1.8em{%
15318         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15319     \if@twocolumn
15320       \ifnum \col@number=\@ne
15321         \@maketitle
15322       \else
15323         \twocolumn[\@maketitle]%
15324       \fi
15325     \else
15326       \newpage
15327       \global\@topnum\z@      % Prevents figures from going at top of page.
15328       \@maketitle
15329     \fi

```



```

15330 \thispagestyle{plain}\@thanks
15331 \endgroup
15332 \setcounter{footnote}{0}%
15333 \global\let\thanks\relax
15334 \global\let\LTRthanks\relax
15335 \global\let\RTLthanks\relax
15336 \global\let\maketitle\relax
15337 \global\let\@maketitle\relax
15338 \global\let\@thanks\@empty
15339 \global\let\@author\@empty
15340 \global\let\@date\@empty
15341 \global\let\@title\@empty
15342 \global\let\title\relax
15343 \global\let\author\relax
15344 \global\let\date\relax
15345 \global\let\and\relax
15346 }
15347 \def\@maketitle{%
15348 \newpage
15349 \null
15350 \vskip 2em%
15351 \begin{center}%
15352 \let \footnote \thanks
15353 \let \LTRfootnote \LTRthanks
15354 \let \RTLfootnote \RTLthanks
15355 {\LARGE \@title \par}%
15356 \vskip 1.5em%
15357 {\large
15358 \lineskip .5em%
15359 \begin{tabular}[t]{c}%
15360 \@author
15361 \end{tabular}\par}%
15362 \vskip 1em%
15363 {\large \@date}%
15364 \end{center}%
15365 \par
15366 \vskip 1.5em}
15367 \fi
15368 \renewcommand*{\l@part[2]{%
15369 \ifnum \c@tocdepth >-2\relax
15370 \addpenalty{-\@highpenalty}%
15371 \addvspace{2.25em \@plus\p@}%
15372 \setlength\@tempdima{3em}%
15373 \begingroup
15374 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
15375 \parfillskip -\@pnumwidth
15376 {\leavevmode
15377 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15378 \nobreak
15379 \global\@nobreaktrue

```



```

15380         \everypar{\global\@nbreakfalse\everypar{}}%
15381     \endgroup
15382 \fi}
15383 \renewcommand*{\l@chapter[2]{%
15384     \ifnum \c@tocdepth >\m@ne
15385         \addpenalty{-\@highpenalty}%
15386         \vskip 1.0em \@plus\p@
15387         \setlength\@tempdima{1.5em}%
15388         \begingroup
15389             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15390             \parfillskip -\@pnumwidth
15391             \leavevmode \bfseries
15392             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15393             \hskip -\if@RTL\rightskip\else\leftskip\fi
15394             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15395             \penalty\@highpenalty
15396         \endgroup
15397 \fi}
15398 \renewcommand\left@footnoterule{%
15399     \kern-3\p@
15400     \hrule\@width.4\columnwidth
15401     \kern2.6\p@}
15402 \renewcommand\right@footnoterule{%
15403     \kern-3\p@
15404     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15405     \kern2.6\p@}
15406 \renewcommand\theequation
15407     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15408 \renewcommand \thefigure
15409     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15410 \renewcommand \thetable
15411     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15412 \renewcommand \thechapter {\@arabic\c@chapter}
15413 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15414 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15415 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15416 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
15417 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
15418 \def\@makechapterhead#1{%
15419     \vspace*{50\p@}%
15420     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15421         \ifnum \c@secnumdepth >\m@ne
15422             \huge\bfseries \@chapapp\space \thechapter
15423             \par\nobreak
15424             \vskip 20\p@
15425         \fi
15426         \interlinepenalty\@M
15427         \Huge \bfseries #1\par\nobreak
15428         \vskip 40\p@
15429     }}

```



```

15430 \def\@makeschapterhead#1{%
15431   \vspace*{50\p@}%
15432   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15433     \normalfont
15434     \interlinepenalty\@M
15435     \Huge \bfseries #1\par\nobreak
15436     \vskip 40\p@
15437   }}
15438 \renewenvironment{thebibliography}[1]
15439   {\chapter*{\bibname}%
15440    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15441    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15442    \list{\@biblabel{\@arabic\c@enumiv}}{%
15443      {\settowidth\labelwidth{\@biblabel{#1}}%
15444       \leftmargin\labelwidth
15445       \advance\leftmargin\labelsep
15446       \@openbib@code
15447       \usecounter{enumiv}%
15448       \let\p@enumiv\@empty
15449       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15450    \sloppy
15451    \clubpenalty4000
15452    \@clubpenalty \clubpenalty
15453    \widowpenalty4000%
15454    \sfcode`.\@m}
15455   {\def\@noitemerr
15456    {\@latex@warning{Empty `thebibliography' environment}}%
15457    \endlist}

```

7.100 rotating-xetex-bidi.def

```

15458 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
15459 \def\end@rotfloat{%
15460   \end{minipage}\end{lrbox}%
15461   \stepcounter{r@tfl@t}%
15462   \rot@label{RF\ther@tfl@t}%
15463   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15464   \edef\@tempa{Adding sideways \@captype\space on page \R@@page\space}
15465   \rot@mess@toks\expandafter{\@tempa}
15466   \wd\rot@float@box\z@
15467   \ht\rot@float@box\z@
15468   \dp\rot@float@box\z@
15469   \vboxL to \textheight{%
15470     \setkeys{Grot}{units=360}%
15471     \if@rot@twoside
15472     \else
15473       \let\R@@page\rot@LR
15474     \fi
15475     \ifthenelse{\isodd{\R@@page}}{%
15476       \if@rot@twoside

```



```

15477     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15478     \fi
15479     \vfill
15480     \@@line{%
15481         \hskip\rotFPtop
15482         \rotatebox{90}{\box\rot@float@box}%
15483         \hskip\rotFPbot
15484     }%
15485 }{%
15486     \if@rot@twoside
15487         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
15488     \fi
15489     \@@line{%
15490         \hskip\rotFPbot
15491         \rotatebox{-90}{\box\rot@float@box}%
15492         \hskip\rotFPtop
15493     }%
15494     \vfill
15495 }%
15496 \rot@message{\the\rot@mess@toks}
15497 }%
15498 \end@float
15499 }
15500 \let\endsidewaysfigure\end@rotfloat
15501 \let\endsidewaysstable\end@rotfloat
15502 \def\end@rotdblfloat{%
15503     \end{minipage}\end{lrbox}%
15504     \stepcounter{r@tfl@t}%
15505     \rot@label{RF\ther@tfl@t}%
15506     \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15507     \edef\@tempa{Adding sideways \@captype\space on page \R@@page\space}
15508     \rot@mess@toks\expandafter{\@tempa}
15509     \@tempdima\ht\rot@float@box
15510     \advance\@tempdima by \dp\rot@float@box
15511     \wd\rot@float@box\z@
15512     \ht\rot@float@box\z@
15513     \dp\rot@float@box\z@
15514     \vboxL to \textheight{%
15515         \setkeys{Grot}{units=360}%
15516         \if@rot@twoside
15517         \else
15518             \let\R@@page\rot@LR
15519         \fi
15520         \ifthenelse{\isodd{\R@@page}}{%
15521             \ifrot@messages
15522                 \if@rot@twoside
15523                 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15524         \fi
15525         \fi
15526         \vfill

```




```

15527      \@@line{%
15528          \hskip\rotFPtop
15529          \rotatebox{90}{\box\rot@float@box}%
15530          \hskip\rotFPbot
15531      }%
15532  }{%
15533      \ifrot@messages
15534      \if@rot@twoside
15535      \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
15536  \fi
15537      \fi%
15538      \@@line{%
15539          \hskip\rotFPbot
15540          \rotatebox{-90}{\box\rot@float@box}%
15541          \hskip\rotFPtop
15542      }%
15543      \vfill
15544      }%
15545      \rot@message{\the\rot@mess@toks}%
15546  }%
15547  \end@dblfloat
15548 }
15549 \def\turn#1{%
15550     \Grot@setangle{#1}%
15551     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15552 \def\endturn{%
15553     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15554     \unskip\color@endbox
15555     \Grot@x\z@
15556     \Grot@y\z@
15557     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15558 }
15559 \def\rotate#1{%
15560     \Grot@setangle{#1}%
15561     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15562 \def\endrotate{%
15563     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15564     \unskip\color@endbox
15565     \Grot@x\z@
15566     \Grot@y\z@
15567     \wd0\z@\dp0\z@\ht0\z@
15568     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15569 }
15570 \def\turnbox#1#2{%
15571     \Grot@setangle{#1}%
15572     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
15573     \Grot@x\z@\Grot@y\z@
15574     \wd0\z@\dp0\z@\ht0\z@
15575     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15576 }

```



```

15577 \def\sideways{%
15578   \Grot@setangle{90}%
15579   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15580 \def\endsideways{%
15581   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15582   \unskip\color@endbox
15583   \Grot@x\z@
15584   \Grot@y\z@
15585   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15586 }

```

7.101 scrartcl-xetex-bidi.def

```

15587 \ProvidesFile{scrartcl-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrartcl class for X
15588 \newcommand{\scr@saved@LTRfootnotetext}{}
15589 \newcommand{\scr@saved@RTLfootnotetext}{}
15590 \let\scr@saved@footnotetext\@footnotetext
15591 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15592 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15593 \renewcommand{\@footnotetext}[1]{%
15594   \scr@saved@footnotetext{#1}%
15595   \csname FN@mfp@prepare\endcsname
15596 }
15597 \renewcommand{\@LTRfootnotetext}[1]{%
15598   \scr@saved@LTRfootnotetext{#1}%
15599   \csname FN@mfp@prepare\endcsname
15600 }
15601 \renewcommand{\@RTLfootnotetext}[1]{%
15602   \scr@saved@RTLfootnotetext{#1}%
15603   \csname FN@mfp@prepare\endcsname
15604 }
15605 \renewcommand\deffootnote[4][1]{%
15606   \long\def\@makefn#1{%
15607     \setlength{\@tempdimc}{#3}%
15608     \def\@tempa{#1}\ifx\@tempa\@empty
15609       \setpar{\@par
15610         \@tempdima = \hspace
15611         \addtolength{\@tempdima}{-#2}%
15612         \if@RTL\parshape \@ne 0pt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15613     \else
15614       \addtolength{\@tempdimc}{#2}%
15615       \addtolength{\@tempdimc}{-#1}%
15616       \setpar{\@par
15617         \@tempdima = \hspace
15618         \addtolength{\@tempdima}{-#1}%
15619         \@tempdimb = \hspace
15620         \addtolength{\@tempdimb}{-#2}%
15621         \if@RTL\parshape \tw@ 0pt \@tempdima 0pt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15622       }%
15623     \fi

```



```

15624 \par
15625 \parindent\@tempdimc\noindent
15626 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15627 }%
15628 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
15629 }
15630 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15631 \renewcommand*\left@footnoterule{%
15632 \normalsize\ftn@rule@test@values
15633 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15634 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15635 {\usekomafont{footnoterule}{%
15636 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15637 \kern 2.6\p@}
15638 \renewcommand*\right@footnoterule{%
15639 \normalsize\ftn@rule@test@values
15640 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15641 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15642 {\usekomafont{footnoterule}{%
15643 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15644 \kern 2.6\p@}
15645 \renewcommand*\maketitle[1][1]{%
15646 \if@titlepage
15647 \begin{titlepage}
15648 \setcounter{page}{%
15649 #1%
15650 }%
15651 \let\footnotesize\small
15652 \let\right@footnoterule\relax
15653 \let\left@footnoterule\relax
15654 \let\textwidth\footnoterule\relax
15655 \let\footnote\thanks
15656 \let\LTRfootnote\LTRthanks
15657 \let\RTLfootnote\RTLthanks
15658 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15659 \let\@oldmakefnmark\@makefnmark
15660 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15661 \ifx\@extratitle\@empty \else
15662 \noindent\@extratitle\next@tpage\cleardoubleemptypage
15663 \thispagestyle{empty}%
15664 \fi
15665 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15666 \ifx\@titlehead\@empty \else
15667 \begin{minipage}[t]{\textwidth}%
15668 \@titlehead
15669 \end{minipage}\par
15670 \fi
15671 \null\vfill
15672 \begin{center}
15673 \ifx\@subject\@empty \else

```



```

15674         {\subject@font \@subject \par}%
15675         \vskip 3em
15676     \fi
15677     {\titlefont\huge \@title\par}%
15678     \vskip 1em
15679     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15680     \vskip 2em
15681     {\Large \lineskip 0.75em
15682       \begin{tabular}[t]{c}
15683         \@author
15684       \end{tabular}\par
15685     }%
15686     \vskip 1.5em
15687     {\Large \@date \par}%
15688     \vskip \z@ \@plus3fill
15689     {\Large \@publishers \par}%
15690     \vskip 3em
15691     \end{center}\par
15692     \@thanks
15693     \vfill\null
15694     \if@twoside\next@tpage
15695       \begin{minipage}[t]{\textwidth}
15696         \uppertitleback
15697       \end{minipage}\par
15698     \vfill
15699     \begin{minipage}[b]{\textwidth}
15700       \lowertitleback
15701     \end{minipage}
15702     \fi
15703     \ifx\@dedication\@empty \else
15704       \next@tpage\null\vfill
15705       {\centering \Large \@dedication \par}%
15706       \vskip \z@ \@plus3fill
15707       \if@twoside \next@tpage\cleardoubleemptypage \fi
15708     \fi
15709     \end{titlepage}
15710   \else
15711     \par
15712     \@tempcnta=%
15713     #1%
15714     \relax\ifnum\@tempcnta=1\else
15715       \ClassWarning{\KOMAClassName}{%
15716         Optional argument of \string\maketitle\space ignored
15717         at\MessageBreak
15718         notitlepage-mode%
15719       }%
15720     \fi
15721     \begingroup
15722       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15723       \let\oldmakefnmark\makefnmark

```



```

15724 \renewcommand*{\@makefnmark}{\rlap{\oldmakefnmark}}
15725 \if@twocolumn
15726 \ifnum \col@number=\@ne
15727 \maketitle
15728 \else
15729 \twocolumn[\maketitle]%
15730 \fi
15731 \else
15732 \newpage
15733 \global\@topnum\z@
15734 \maketitle
15735 \fi
15736 \thispagestyle{\titlepagestyle}\@thanks
15737 \endgroup
15738 \fi
15739 \setcounter{footnote}{0}%
15740 \let\thanks\relax
15741 \let\LTRthanks\relax
15742 \let\RTLthanks\relax
15743 \let\maketitle\relax
15744 \let\@maketitle\relax
15745 \global\let\@thanks\@empty
15746 \global\let\@author\@empty
15747 \global\let\@date\@empty
15748 \global\let\@title\@empty
15749 \global\let\@subtitle\@empty
15750 \global\let\@extratitle\@empty
15751 \global\let\@titlehead\@empty
15752 \global\let\@subject\@empty
15753 \global\let\@publishers\@empty
15754 \global\let\@uppertitleback\@empty
15755 \global\let\@lowertitleback\@empty
15756 \global\let\@dedication\@empty
15757 \global\let\author\relax
15758 \global\let\title\relax
15759 \global\let\extratitle\relax
15760 \global\let\titlehead\relax
15761 \global\let\subject\relax
15762 \global\let\publishers\relax
15763 \global\let\uppertitleback\relax
15764 \global\let\lowertitleback\relax
15765 \global\let\dedication\relax
15766 \global\let\date\relax
15767 \global\let\and\relax
15768 }%
15769 \renewcommand*{\@maketitle}{%
15770 \clearpage
15771 \let\footnote\thanks
15772 \let\LTRfootnote\LTRthanks
15773 \let\RTLfootnote\RTLthanks

```



```

15774 \ifx\@extratitle\@empty \else
15775 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15776 \fi
15777 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
15778 \ifx\@titlehead\@empty \else
15779 \begin{minipage}[t]{\textwidth}
15780 \@titlehead
15781 \end{minipage}\par
15782 \fi
15783 \null
15784 \vskip 2em%
15785 \begin{center}%
15786 \ifx\@subject\@empty \else
15787 {\subject@font \@subject \par}
15788 \vskip 1.5em
15789 \fi
15790 {\titlefont\huge \@title \par}%
15791 \vskip .5em
15792 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15793 \vskip 1em
15794 {\Large
15795 \lineskip .5em%
15796 \begin{tabular}[t]{c}
15797 \@author
15798 \end{tabular}\par
15799 }%
15800 \vskip 1em%
15801 {\Large \@date \par}%
15802 \vskip \z@ \@plus 1em
15803 {\Large \@publishers \par}
15804 \ifx\@dedication\@empty \else
15805 \vskip 2em
15806 {\Large \@dedication \par}
15807 \fi
15808 \end{center}%
15809 \par
15810 \vskip 2em
15811 }%
15812 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15813 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
15814 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15815 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
15816 \renewcommand*{\thesubsubsection}{%
15817 \thesubsection\@SepMark\@arabic\c@subsubsection
15818 }
15819 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15820 \renewcommand*{\thesubparagraph}{%
15821 \theparagraph\@SepMark\@arabic\c@subparagraph
15822 }
15823 \renewenvironment{thebibliography}[1]{%

```



```

15824 \if@bib@break@
15825 \bib@beginhook
15826 \else
15827 \bib@heading
15828 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15829 \noindent\bibpreamble\par\nobreak
15830 \fi\fi
15831 \bib@beginhook
15832 \bib@before@hook
15833 \fi
15834 \renewcommand{\BreakBibliography}[1]{%
15835 \@bib@break
15836 \end{thebibliography}%
15837 \begingroup ##1\endgroup
15838 \begin{thebibliography}{#1}
15839 }%
15840 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15841 \list{%
15842 \@biblabel{\@arabic\c@enumiv}%
15843 }{%
15844 \settowidth\labelwidth{\@biblabel{#1}}%
15845 \leftmargin\labelwidth
15846 \advance\leftmargin\labelsep
15847 \@openbib@code
15848 \if@bib@break@
15849 \edef\@tempa{%
15850 \noexpand\usecounter{enumiv}%
15851 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15852 }\@tempa
15853 \no@bib@break
15854 \else
15855 \usecounter{enumiv}%
15856 \fi
15857 \let\p@enumiv\@empty
15858 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15859 }%
15860 \sloppy\clubpenalty4000 \widowpenalty4000
15861 \sfcode`\.=\@m
15862 }{%
15863 \if@bib@break@
15864 \def\@noitemerr{%
15865 \@latex@warning{%
15866 \string\BreakBibliography\space at begin of `thebibliography'
15867 environment\MessageBreak
15868 or following \string\BreakBibliography}%
15869 }%
15870 \else
15871 \def\@noitemerr{%
15872 \@latex@warning{%
15873 Empty `thebibliography' environment or

```



```

15874         \string\BreakBibliography\MessageBreak
15875         before end of `thebibliography' environment}%
15876     }%
15877 \fi
15878 \endlist
15879 \if@bib@break@
15880 \else
15881     \bib@after@hook
15882     \let\bib@before@hook\@empty
15883     \let\bib@after@hook\@empty
15884 \fi
15885 \bib@endhook
15886 }
15887 \renewcommand*\left@footnoterule{%
15888     \kern-3\p@
15889     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15890     \hrule\@width.4\columnwidth
15891     \kern 2.6\p@}
15892 \renewcommand*\right@footnoterule{%
15893     \kern-3\p@
15894     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15895     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15896     \kern2.6\p@}
15897 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15898 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15899 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15900 \renewcommand\marginline[1]{%
15901     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15902 }
15903 \renewcommand{\@@makecaption}[3]{%
15904     \cap@margin
15905     \ifonelinecaptions
15906         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15907         \let\scr@tmp@footnotetext=\@footnotetext
15908         \let\@footnotetext=\@gobble
15909         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15910         \let\@LTRfootnotetext=\@gobble
15911         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15912         \let\@RTLfootnotetext=\@gobble
15913         \sbox\@tempboxa{%
15914             {\capfont{\strut\ignorespaces
15915                 #1{\caplabelfont{#2\captionformat}}}%
15916                 #3\unskip\strut}}%
15917         }%
15918         \let\@footnotetext=\scr@tmp@footnotetext
15919         \let\scr@tmp@footnotetext=\undefined
15920         \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15921         \let\scr@tmp@LTRfootnotetext=\undefined
15922         \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15923         \let\scr@tmp@RTLfootnotetext=\undefined

```




```

15924 \setcounter{footnote}{\@tempcntb}%
15925 \setcounter{mpfootnote}{\@tempcnta}%
15926 \else
15927 \sbox\@tempboxa{\hspace*{2\cap@width}}%
15928 \fi
15929 \begingroup%
15930 \setlength{\@tempdima}{\cap@width}%
15931 \ifdim \wd\@tempboxa >\@tempdima
15932 \hb@xt@\hsize{%
15933 \setbox\@tempboxa\vbox{\hsize=\cap@width
15934 \ifdofullc@p
15935 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15936 #1{\caplabelfont{#2\captionformat}}}}}%
15937 {\#3\unskip\strut\par}}}%
15938 \else%
15939 \ifdim\cap@indent<\z@
15940 {\capfont{\strut\ignorespaces
15941 #1{\caplabelfont{#2\captionformat\par}}}%
15942 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
15943 \else%
15944 \if@capbreak
15945 {\capfont{\strut\ignorespaces
15946 #1{\caplabelfont{#2\captionformat\par}}}%
15947 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
15948 \else
15949 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
15950 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15951 {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
15952 \fi
15953 \fi
15954 \fi
15955 }%
15956 \setlength{\@tempdima}{\ht\@tempboxa}%
15957 \addtolength{\@tempdima}{\dp\@tempboxa}%
15958 \addtolength{\@tempdima}{-\ht\strutbox}%
15959 \ht\@tempboxa\ht\strutbox
15960 \dp\@tempboxa\@tempdima
15961 \strut\cap@left
15962 \box\@tempboxa
15963 \cap@right\strut
15964 }%
15965 \else
15966 \global \@minipagefalse
15967 \sbox\@tempboxa{%
15968 {\capfont{\scr@smashdp{\strut\ignorespaces
15969 #1{\caplabelfont{#2\captionformat}}}%
15970 #3}}%
15971 }%
15972 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15973 \fi

```



```

15974 \endgroup
15975 }
15976 \renewcommand{\@makecaption}[2]{%
15977   \if@captionabove
15978     \vskip\belowcaptionskip
15979   \else
15980     \vskip\abovecaptionskip
15981   \fi
15982   \@makecaption\@firstofone{#1}{#2}%
15983   \if@captionabove
15984     \vskip\abovecaptionskip
15985   \else
15986     \vskip\belowcaptionskip
15987   \fi
15988 }
15989 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15990   \@ifpackageloaded{caption2}{\@komalongtablefalse
15991     \scr@caption@before@longtable@warning{caption2}%
15992   }{}%
15993   \if@komalongtable
15994     \renewcommand{\LT@makecaption}[3]{%
15995       \noalign{%
15996         \if@captionabove
15997           \vskip\belowcaptionskip
15998         \else
15999           \vskip\abovecaptionskip
16000         \fi
16001       }%
16002       \LT@mcol\LT@cols c{%
16003         \hbox to\z@{\hss\parbox[t]{\linewidth{%
16004           \@makecaption{#1}{#2}{#3}%
16005         }}\endgraf
16006         \if@captionabove
16007           \vskip\abovecaptionskip
16008         \else
16009           \vskip\belowcaptionskip
16010         \fi
16011       }%
16012       \hss
16013     }%
16014   }%
16015 }%
16016 \renewcommand*{\scr@LT@array}{}%
16017 \let\scr@LT@array=\LT@array
16018 \renewcommand*{\LT@array}{%
16019   \let\scr@caption=\LT@caption
16020   \def\captionabove{\noalign{\global\@captionabovetrue}%
16021     \scr@caption}%
16022   \def\captionbelow{\noalign{\global\@captionabovetrue}%
16023     \scr@caption}%

```



```

16024     \if@tablecaptionabove
16025         \let\LT@caption=\captionabove
16026     \else
16027         \let\LT@caption=\captionbelow
16028     \fi
16029     \scr@LT@array
16030 }%
16031 \ClassInfo{\KOMAClassName}{%
16032     longtable captions redefined%
16033 }%
16034 \fi
16035 }
16036
16037 \CloneTOCEntryStyle{tocline}{part}
16038 \TOCEntryStyleStartInitCode{part}{%
16039     \expandafter\renewcommand%
16040     \csname scr@tso@#1@linefill\endcsname{\hfill}%
16041     \expandafter\renewcommand%
16042     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16043     \expandafter\renewcommand%
16044     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16045         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16046     \expandafter\renewcommand\expandafter*%
16047     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
16048 }
16049
16050 \CloneTOCEntryStyle{tocline}{section}
16051 \TOCEntryStyleStartInitCode{section}{%
16052     \expandafter\renewcommand%
16053     \csname scr@tso@#1@linefill\endcsname{%
16054         \if@sectionentrywithdots
16055             \TOCLineLeaderFill\relax
16056         \else
16057             \hfill
16058         \fi
16059     }%
16060     % F~fcr die Eintr~e4ge die Schrift von Element sectionentry verwenden.
16061     \expandafter\renewcommand%
16062     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16063     \expandafter\renewcommand%
16064     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{sec
16065     \expandafter\renewcommand\expandafter*%
16066     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
16067 }
16068
16069 \CloneTOCEntryStyle{tocline}{subsection}
16070 \TOCEntryStyleStartInitCode{subsection}{%
16071     \expandafter\renewcommand%
16072     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16073 }

```



```

16074
16075 \CloneTOCEntryStyle{subsection}{default}
16076
16077 \DeclareSectionCommand[%
16078   style=part,%
16079   level=\z@,%
16080   tocstyle=part,%
16081   toplevel=\m@ne,%
16082   tocindent=\z@,%
16083   tocnumwidth=2em%
16084 ]{part}
16085 \DeclareSectionCommand[%
16086   style=section,%
16087   level=1,%
16088   indent=\z@,%
16089   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
16090   afterskip=2.3ex \@plus .2ex,%
16091   tocstyle=section,%
16092   tocindent=0pt,%
16093   tocnumwidth=1.5em%
16094 ]{section}
16095 \DeclareSectionCommand[%
16096   style=section,%
16097   level=2,%
16098   indent=\z@,%
16099   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
16100   afterskip=1.5ex \@plus .2ex,%
16101   tocstyle=subsection,%
16102   tocindent=1.5em,%
16103   tocnumwidth=2.3em%
16104 ]{subsection}
16105 \DeclareSectionCommand[%
16106   style=section,%
16107   level=3,%
16108   indent=\z@,%
16109   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
16110   afterskip=1.5ex \@plus .2ex,%
16111   tocstyle=subsection,%
16112   tocindent=3.8em,%
16113   tocnumwidth=3.2em%
16114 ]{subsubsection}
16115 \DeclareSectionCommand[%
16116   style=section,%
16117   level=4,%
16118   indent=\z@,%
16119   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
16120   afterskip=-1em,%
16121   tocstyle=subsection,%
16122   tocindent=7.0em,%
16123   tocnumwidth=4.1em%

```



```

16124 ]{paragraph}
16125 \DeclareSectionCommand[%
16126   style=section,%
16127   level=5,%
16128   indent=\scr@parindent,%
16129   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
16130   afterskip=-1em,%
16131   tocstyle=subsection,%
16132   tocindent=10em,%
16133   tocnumwidth=5em%
16134 ]{subparagraph}

```

7.102 scrbook-xetex-bidi.def

```

16135 \ProvidesFile{scrbook-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrbook class for XeT
16136 \newcommand{\scr@saved@LTRfootnotetext}{}
16137 \newcommand{\scr@saved@RTLfootnotetext}{}
16138 \let\scr@saved@footnotetext\@footnotetext
16139 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16140 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16141 \renewcommand{\@footnotetext}[1]{%
16142   \scr@saved@footnotetext{#1}%
16143   \csname FN@mf@prepare\endcsname
16144 }
16145 \renewcommand{\@LTRfootnotetext}[1]{%
16146   \scr@saved@LTRfootnotetext{#1}%
16147   \csname FN@mf@prepare\endcsname
16148 }
16149 \renewcommand{\@RTLfootnotetext}[1]{%
16150   \scr@saved@RTLfootnotetext{#1}%
16151   \csname FN@mf@prepare\endcsname
16152 }
16153 \renewcommand\deffootnote[4][1]{%
16154   \long\def\@makefn#1{%
16155     \setlength{\@tempdimc}{#3}%
16156     \def\@tempa{#1}\ifx\@tempa\@empty
16157       \@setpar{\@par
16158         \@tempdima = \hspace
16159         \addtolength{\@tempdima}{-#2}%
16160       \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16161     \else
16162       \addtolength{\@tempdimc}{#2}%
16163       \addtolength{\@tempdimc}{-#1}%
16164       \@setpar{\@par
16165         \@tempdima = \hspace
16166         \addtolength{\@tempdima}{-#1}%
16167         \@tempdimb = \hspace
16168         \addtolength{\@tempdimb}{-#2}%
16169       \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16170     }%

```



```

16171 \fi
16172 \par
16173 \parindent\@tempdimc\noindent
16174 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16175 }%
16176 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16177 }
16178 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16179 \renewcommand*\left@footnoterule{%
16180 \normalsize\ftn@rule@test@values
16181 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16182 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16183 {\usekomafont{footnoterule}{%
16184 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16185 \kern 2.6\p@}
16186 \renewcommand*\right@footnoterule{%
16187 \normalsize\ftn@rule@test@values
16188 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16189 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16190 {\usekomafont{footnoterule}{%
16191 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16192 \kern 2.6\p@}
16193 \renewcommand*\maketitle[1][1]{%
16194 \if@titlepage
16195 \begin{titlepage}
16196 \setcounter{page}{%
16197 #1%
16198 }%
16199 \let\footnotesize\small
16200 \let\right@footnoterule\relax
16201 \let\left@footnoterule\relax
16202 \let\textwidth\footnoterule\relax
16203 \let\footnote\thanks
16204 \let\LTRfootnote\LTRthanks
16205 \let\RTLfootnote\RTLthanks
16206 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16207 \let\@oldmakefnmark\@makefnmark
16208 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
16209 \ifx\@extratitle\@empty \else
16210 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16211 \thispagestyle{empty}%
16212 \fi
16213 \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
16214 \ifx\@titlehead\@empty \else
16215 \begin{minipage}[t]{\textwidth}%
16216 \@titlehead
16217 \end{minipage}\par
16218 \fi
16219 \null\vfill
16220 \begin{center}

```



```

16221         \ifx\@subject\@empty \else
16222             {\subject@font \@subject \par}%
16223             \vskip 3em
16224         \fi
16225         {\titlefont\huge \@title\par}%
16226         \vskip 1em
16227     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16228     \vskip 2em
16229     {\Large \lineskip 0.75em
16230     \begin{tabular}[t]{c}
16231         \@author
16232     \end{tabular}}\par
16233     }%
16234     \vskip 1.5em
16235     {\Large \@date \par}%
16236     \vskip \z@ \@plus3fill
16237     {\Large \@publishers \par}%
16238     \vskip 3em
16239 \end{center}}\par
16240 \@thanks
16241 \vfill\null
16242 \if@twoside\next@tpage
16243     \begin{minipage}[t]{\textwidth}
16244         \@uppertitleback
16245     \end{minipage}\par
16246     \vfill
16247     \begin{minipage}[b]{\textwidth}
16248         \@lowertitleback
16249     \end{minipage}
16250 \fi
16251 \ifx\@dedication\@empty \else
16252     \next@tpage\null\vfill
16253     {\centering \Large \@dedication \par}%
16254     \vskip \z@ \@plus3fill
16255     \if@twoside \next@tpage\cleardoubleemptypage \fi
16256 \fi
16257 \end{titlepage}
16258 \else
16259     \par
16260     \@tempcnta=%
16261     #1%
16262     \relax\ifnum\@tempcnta=1\else
16263         \ClassWarning{KOMAClassName}{%
16264             Optional argument of \string\maketitle\space ignored
16265             at\MessageBreak
16266             notitlepage-mode%
16267         }%
16268     \fi
16269     \begingroup
16270     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%

```



```

16271 \let\@oldmakefnmark\@makefnmark
16272 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16273 \if@twocolumn
16274 \ifnum \col@number=\@ne
16275 \@maketitle
16276 \else
16277 \twocolumn[\@maketitle]%
16278 \fi
16279 \else
16280 \newpage
16281 \global\@topnum\z@
16282 \@maketitle
16283 \fi
16284 \thispagestyle{\titlepagestyle}\@thanks
16285 \endgroup
16286 \fi
16287 \setcounter{footnote}{0}%
16288 \let\thanks\relax
16289 \let\LTRthanks\relax
16290 \let\RTLthanks\relax
16291 \let\maketitle\relax
16292 \let\@maketitle\relax
16293 \global\let\@thanks\@empty
16294 \global\let\@author\@empty
16295 \global\let\@date\@empty
16296 \global\let\@title\@empty
16297 \global\let\@subtitle\@empty
16298 \global\let\@extratitle\@empty
16299 \global\let\@titlehead\@empty
16300 \global\let\@subject\@empty
16301 \global\let\@publishers\@empty
16302 \global\let\@uppertitleback\@empty
16303 \global\let\@lowertitleback\@empty
16304 \global\let\@dedication\@empty
16305 \global\let\author\relax
16306 \global\let\title\relax
16307 \global\let\extratitle\relax
16308 \global\let\titlehead\relax
16309 \global\let\subject\relax
16310 \global\let\publishers\relax
16311 \global\let\uppertitleback\relax
16312 \global\let\lowertitleback\relax
16313 \global\let\dedication\relax
16314 \global\let\date\relax
16315 \global\let\and\relax
16316 }%
16317 \renewcommand*{\@maketitle}{%
16318 \clearpage
16319 \let\footnote\thanks
16320 \let\LTRfootnote\LTRthanks

```




```

16321 \let\RTLfootnote\RTLthanks
16322 \ifx\@extratitle\@empty \else
16323   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16324 \fi
16325 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16326 \ifx\@titlehead\@empty \else
16327   \begin{minipage}[t]{\textwidth}
16328     \@titlehead
16329   \end{minipage}\par
16330 \fi
16331 \null
16332 \vskip 2em%
16333 \begin{center}%
16334   \ifx\@subject\@empty \else
16335     {\subject@font \@subject \par}
16336     \vskip 1.5em
16337   \fi
16338   {\titlefont\huge \@title \par}%
16339   \vskip .5em
16340   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16341   \vskip 1em
16342   {\Large
16343     \lineskip .5em%
16344     \begin{tabular}[t]{c}
16345       \@author
16346     \end{tabular}\par
16347   }%
16348   \vskip 1em%
16349   {\Large \@date \par}%
16350   \vskip \z@ \@plus 1em
16351   {\Large \@publishers \par}
16352   \ifx\@dedication\@empty \else
16353     \vskip 2em
16354     {\Large \@dedication \par}
16355   \fi
16356 \end{center}%
16357 \par
16358 \vskip 2em
16359 }%
16360 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16361 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16362 \renewcommand*\thesection{%
16363   \ifnum \scr@compatibility>\@nameuse{scr@v02.97d}\relax
16364   \if@mainmatter\thechapter\@SepMark\fi
16365   \else
16366     \thechapter\@SepMark%
16367   \fi
16368   \@arabic\c@section
16369 }
16370 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}

```



```

16371 \renewcommand*{\thesubsubsection}{%
16372   \thesubsection\@SepMark\@arabic\c@subsubsection
16373 }
16374 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16375 \renewcommand*{\thesubparagraph}{%
16376   \theparagraph\@SepMark\@arabic\c@subparagraph
16377 }
16378 \renewcommand*\thefigure{%
16379   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16380     \if@mainmatter\thechapter\@SepMark\fi
16381   \else
16382     \thechapter\@SepMark%
16383   \fi
16384   \@arabic\c@figure
16385 }
16386 \renewcommand*\thetable{%
16387   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16388     \if@mainmatter\thechapter\@SepMark\fi
16389   \else
16390     \thechapter\@SepMark%
16391   \fi
16392   \@arabic\c@table
16393 }
16394 \renewcommand*\theequation{%
16395   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16396     \if@mainmatter\thechapter\@SepMark\fi
16397   \else
16398     \thechapter\@SepMark%
16399   \fi
16400   \@arabic\c@equation
16401 }
16402 \renewenvironment{thebibliography}[1]{%
16403   \if@bib@break@
16404     \bib@beginhook
16405   \else
16406     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16407       \setchapterpreamble{\bibpreamble}%
16408     \fi\fi
16409     \bib@heading
16410     \bib@beginhook
16411     \bib@before@hook
16412   \fi
16413   \renewcommand{\BreakBibliography}[1]{%
16414     \@bib@break
16415     \end{thebibliography}%
16416     \begingroup ##1\endgroup
16417     \begin{thebibliography}{#1}
16418   }%
16419   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16420   \list{%

```



```

16421 \biblabel{\@arabic\c@enumiv}%
16422 }{%
16423 \settowidth\labelwidth{\@biblabel{#1}}%
16424 \leftmargin\labelwidth
16425 \advance\leftmargin\labelsep
16426 \@openbib@code
16427 \if@bib@break@
16428 \edef\@tempa{%
16429 \noexpand\usecounter{enumiv}%
16430 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16431 }\@tempa
16432 \no@bib@break
16433 \else
16434 \usecounter{enumiv}%
16435 \fi
16436 \let\p@enumiv\@empty
16437 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16438 }%
16439 \sloppy\clubpenalty4000 \widowpenalty4000
16440 \sfcode`\.=\@m
16441 }{%
16442 \if@bib@break@
16443 \def\@noitemerr{%
16444 \@latex@warning{%
16445 \string\BreakBibliography\space at begin of `thebibliography'
16446 environment\MessageBreak
16447 or following \string\BreakBibliography}}%
16448 }%
16449 \else
16450 \def\@noitemerr{%
16451 \@latex@warning{%
16452 Empty `thebibliography' environment or
16453 \string\BreakBibliography\MessageBreak
16454 before end of `thebibliography' environment}}%
16455 }%
16456 \fi
16457 \endlist
16458 \if@bib@break@
16459 \else
16460 \bib@after@hook
16461 \let\bib@before@hook\@empty
16462 \let\bib@after@hook\@empty
16463 \fi
16464 \bib@endhook
16465 }
16466 \renewcommand*\left@footnoterule{%
16467 \kern-3\p@
16468 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16469 \hrule\@width.4\columnwidth
16470 \kern 2.6\p@}

```



```

16471 \renewcommand*\right@footnoterule{%
16472   \kern-3\p@
16473   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16474   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16475   \kern2.6\p@}
16476 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
16477 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
16478 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
16479 \renewcommand\marginline[1]{%
16480   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16481 }
16482 \renewcommand{\@@makecaption}[3]{%
16483   \cap@margin
16484   \ifonelinecaptions
16485     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16486     \let\scr@tmp@footnotetext=\@footnotetext
16487     \let\@footnotetext=\@gobble
16488     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16489     \let\@LTRfootnotetext=\@gobble
16490     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16491     \let\@RTLfootnotetext=\@gobble
16492     \sbox\@tempboxa{%
16493       {\capfont{\strut\ignorespaces
16494         #1{\caplabelfont{#2\captionformat}}}%
16495         #3\unskip\strut}}%
16496     }%
16497     \let\@footnotetext=\scr@tmp@footnotetext
16498     \let\scr@tmp@footnotetext=\undefined
16499     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16500     \let\scr@tmp@LTRfootnotetext=\undefined
16501     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16502     \let\scr@tmp@RTLfootnotetext=\undefined
16503     \setcounter{footnote}{\@tempcntb}%
16504     \setcounter{mpfootnote}{\@tempcnta}%
16505   \else
16506     \sbox\@tempboxa{\hspace*{2\cap@width}}%
16507   \fi
16508   \begingroup%
16509     \setlength{\@tempdima}{\cap@width}%
16510     \ifdim \wd\@tempboxa >\@tempdima
16511       \hb@xt@\hsize{%
16512         \setbox\@tempboxa\vbox{\hsize=\cap@width
16513           \ifdofullc@p
16514             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16515               #1{\caplabelfont{#2\captionformat}}}}}%
16516               {\#3\unskip\strut\par}}}%
16517           \else%
16518             \ifdim\cap@indent<\z@
16519               {\capfont{\strut\ignorespaces
16520                 #1{\caplabelfont{#2\captionformat\par}}}%

```



```

16521         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16522     \else%
16523         \if@capbreak
16524             {\capfont{\strut\ignorespaces
16525                 #1{\caplabelfont{#2\captionformat\par}}}%
16526                 \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16527         \else
16528             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16529                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16530                 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16531             \fi
16532         \fi
16533     \fi
16534 }%
16535 \setlength{\@tempdima}{\ht\@tempboxa}%
16536 \addtolength{\@tempdima}{\dp\@tempboxa}%
16537 \addtolength{\@tempdima}{-\ht\strutbox}%
16538 \ht\@tempboxa\ht\strutbox
16539 \dp\@tempboxa\@tempdima
16540 \strut\cap@left
16541 \box\@tempboxa
16542 \cap@right\strut
16543 }%
16544 \else
16545     \global \@minipagefalse
16546     \sbox\@tempboxa{%
16547         {\capfont{\scr@smashdp{\strut\ignorespaces
16548             #1{\caplabelfont{#2\captionformat}}}%
16549             #3}}%
16550     }%
16551     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
16552     \fi
16553 \endgroup
16554 }
16555 \renewcommand{\@makecaption}[2]{%
16556     \if@captionabove
16557         \vskip\belowcaptionskip
16558     \else
16559         \vskip\abovecaptionskip
16560     \fi
16561     \@makecaption\@firstofone{#1}{#2}%
16562     \if@captionabove
16563         \vskip\abovecaptionskip
16564     \else
16565         \vskip\belowcaptionskip
16566     \fi
16567 }
16568 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16569     \@ifpackageloaded{caption2}{\@komalongtablefalse
16570         \scr@caption@before@longtable@warning{caption2}%

```



```

16571 }{}%
16572 \if@komalongtable
16573   \renewcommand{\LT@makecaption}[3]{%
16574     \noalign{%
16575       \if@captionabove
16576         \vskip\belowcaptionskip
16577       \else
16578         \vskip\abovecaptionskip
16579       \fi
16580     }%
16581     \LT@mcol\LT@cols c{%
16582       \hbox to\z@{\hss\parbox[t]{linewidth{%
16583         \@makecaption{#1}{#2}{#3}%
16584         \endgraf
16585         \if@captionabove
16586           \vskip\abovecaptionskip
16587         \else
16588           \vskip\belowcaptionskip
16589         \fi
16590       }%
16591       \hss
16592     }%
16593   }%
16594 }%
16595 \renewcommand*\scr@LT@array}{}%
16596 \let\scr@LT@array=\LT@array
16597 \renewcommand*\LT@array{%
16598   \let\scr@caption=\LT@caption
16599   \def\captionabove{\noalign{\global\@captionabovetrue}%
16600     \scr@caption}%
16601   \def\captionbelow{\noalign{\global\@captionabovefalse}%
16602     \scr@caption}%
16603   \if@tablecaptionabove
16604     \let\LT@caption=\captionabove
16605   \else
16606     \let\LT@caption=\captionbelow
16607   \fi
16608   \scr@LT@array
16609 }%
16610 \ClassInfo{\KOMAClassName}{%
16611   longtable captions redefined%
16612 }%
16613 \fi
16614 }
16615
16616 \CloneTOCEntryStyle{tocline}{part}
16617 \TOCEntryStyleStartInitCode{part}{%
16618   \expandafter\renewcommand%
16619   \csname scr@tso@#1@linefill\endcsname{\hfill}%
16620   \expandafter\renewcommand%

```



```

16621 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16622 \expandafter\renewcommand%
16623 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16624   \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16625 \expandafter\renewcommand\expandafter*%
16626 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
16627 }
16628
16629 \CloneTOCEntryStyle{tocline}{chapter}
16630 \TOCEntryStyleStartInitCode{chapter}{%
16631   \expandafter\renewcommand%
16632   \csname scr@tso@#1@linefill\endcsname{%
16633     \if@chapterentrywithdots
16634       \TOCLineLeaderFill\relax
16635     \else
16636       \hfill
16637     \fi
16638   }%
16639   \expandafter\renewcommand%
16640   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
16641   \expandafter\renewcommand%
16642   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16643     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
16644   \expandafter\renewcommand\expandafter*%
16645   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16646 }
16647
16648 \CloneTOCEntryStyle{tocline}{section}
16649 \TOCEntryStyleStartInitCode{section}{%
16650   \expandafter\renewcommand%
16651   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16652 }
16653
16654 \CloneTOCEntryStyle{section}{default}
16655
16656 \DeclareSectionCommand[%
16657   style=part,%
16658   level=\m@ne,%
16659   pagestyle=plain,%
16660   tocstyle=part,%
16661   toplevel=\m@ne,%
16662   tocindent=\z@,%
16663   tocnumwidth=2em%
16664 ]{part}
16665 \DeclareSectionCommand[%
16666   style=chapter,%
16667   level=\z@,%
16668   pagestyle=plain,%
16669   tocstyle=chapter,%
16670   tocindent=\z@,%

```



```

16671 tocnumwidth=1.5em%
16672 ]{chapter}
16673 \DeclareSectionCommand[%
16674   style=section,%
16675   level=1,%
16676   indent=\z@,%
16677   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
16678   afterskip=2.3ex \@plus .2ex,%
16679   tocstyle=section,%
16680   tocindent=1.5em,%
16681   tocnumwidth=2.3em%
16682 ]{section}
16683 \DeclareSectionCommand[%
16684   style=section,%
16685   level=2,%
16686   indent=\z@,%
16687   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
16688   afterskip=1.5ex \@plus .2ex,%
16689   tocstyle=section,%
16690   tocindent=3.8em,%
16691   tocnumwidth=3.2em%
16692 ]{subsection}
16693 \DeclareSectionCommand[%
16694   style=section,%
16695   level=3,%
16696   indent=\z@,%
16697   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
16698   afterskip=1.5ex \@plus .2ex,%
16699   tocstyle=section,%
16700   tocindent=7.0em,%
16701   tocnumwidth=4.1em%
16702 ]{subsubsection}
16703 \DeclareSectionCommand[%
16704   style=section,%
16705   level=4,%
16706   indent=\z@,%
16707   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
16708   afterskip=-1em,%
16709   tocstyle=section,%
16710   tocindent=10em,%
16711   tocnumwidth=5em%
16712 ]{paragraph}
16713 \DeclareSectionCommand[%
16714   style=section,%
16715   level=5,%
16716   indent=\scr@parindent,%
16717   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
16718   afterskip=-1em,%
16719   tocstyle=section,%
16720   tocindent=12em,%

```




```

16721   tocnumwidth=6em%
16722 ]{subparagraph}
16723
16724

```

7.103 scrlettr-xetex-bidi.def

```

16725 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for Xe
16726 \renewcommand\deffootnote[4] [] {%
16727   \long\def\@makefnmark##1{%
16728     \edef\@tempa{#1}\ifx\@tempa\@empty
16729       \setpar{\@par
16730         \@tempdima = \hsize
16731         \addtolength{\@tempdima}{-#2}
16732         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16733     \else
16734       \setpar{\@par
16735         \@tempdima = \hsize
16736         \addtolength{\@tempdima}{-#1}
16737         \@tempdimb = \hsize
16738         \addtolength{\@tempdimb}{-#2}
16739         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16740       \fi
16741       \par
16742       \parindent #3\noindent
16743       \hbox to \z@{\hss\@makefnmark}##1}
16744   \def\@makefnmark{\hbox{#4}}
16745 }
16746 \deffootnote[1em]{1.5em}{1em}
16747   {\textsuperscript{\thefootnotemark}}
16748 \def\left@footnoterule{\kern-1\p@
16749   \hrule width 0.4\columnwidth
16750   \kern .6\p@}
16751 \def\right@footnoterule{%
16752   \kern-1\p@
16753   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16754   \kern .6\p@}
16755 \def\@datefield{\@reffalse
16756   \ifx\varyourref\@empty \else \@reftrue \fi
16757   \ifx\varyourmail\@empty \else \@reftrue \fi
16758   \ifx\varmyref\@empty \else \@reftrue \fi
16759   \ifx\varcustomer\@empty \else \@reftrue \fi
16760   \ifx\varinvoice\@empty \else \@reftrue \fi
16761   \ifx\varrefitemi\@empty \else \@reftrue \fi
16762   \ifx\varrefitemii\@empty \else \@reftrue \fi
16763   \ifx\varrefitemiii\@empty \else \@reftrue \fi
16764   \vskip -\parskip
16765   \vskip \refvskip
16766   \if@ref
16767     \ifx\varyourref\@empty \else

```



```

16768 \settowidth{\sc@temp}{\vyourref}
16769 \setbox0\hbox{\scriptsize \sf \yourrefname}
16770 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16771 \parbox[t]{\sc@@temp}{\noindent \box0\par \vyourref}\hfill
16772 \fi
16773 \ifx\vyourmail\@empty \else
16774 \settowidth{\sc@temp}{\vyourmail}
16775 \setbox0\hbox{\scriptsize \sf \yourmailname}
16776 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16777 \parbox[t]{\sc@@temp}{\noindent \box0\par \vyourmail}\hfill
16778 \fi
16779 \ifx\varmyref\@empty \else
16780 \settowidth{\sc@temp}{\varmyref}
16781 \setbox0\hbox{\scriptsize \sf \myrefname}
16782 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16783 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
16784 \fi
16785 \ifx\varcustomer\@empty \else
16786 \settowidth{\sc@temp}{\varcustomer}
16787 \setbox0\hbox{\scriptsize \sf \customername}
16788 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16789 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
16790 \fi
16791 \ifx\varinvoice\@empty \else
16792 \settowidth{\sc@temp}{\varinvoice}
16793 \setbox0\hbox{\scriptsize \sf \invoicename}
16794 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16795 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
16796 \fi
16797 \ifx\varrefitemi\@empty \else
16798 \settowidth{\sc@temp}{\varrefitemi}
16799 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
16800 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16801 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
16802 \fi
16803 \ifx\varrefitemii\@empty \else
16804 \settowidth{\sc@temp}{\varrefitemii}
16805 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
16806 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16807 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
16808 \fi
16809 \ifx\varrefitemiii\@empty \else
16810 \settowidth{\sc@temp}{\varrefitemiii}
16811 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
16812 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16813 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
16814 \fi
16815 \ifx\@date\@empty \else
16816 \settowidth{\sc@temp}{\@date}
16817 \setbox0\hbox{\scriptsize \sf \datename}

```



```

16818 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16819 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
16820 \fi
16821 \par
16822 \vspace{2.5\baselineskip}
16823 \else
16824 {\ifx\@date\@empty \else \ifRTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
16825 \vspace{1.5\baselineskip}
16826 \fi}
16827 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
16828 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
16829 -\sigindent \hspace{\sigindent}%
16830 \parbox{\sc@temp}{\ifRTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
16831 \fromsig\strut}\par
16832 \vspace{1.5\baselineskip}}

```

7.104 scrreprt-xetex-bidi.def

```

16833 \ProvidesFile{scrreprt-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrreprt class for X
16834 \newcommand{\scr@saved@LTRfootnotetext}{}
16835 \newcommand{\scr@saved@RTLfootnotetext}{}
16836 \let\scr@saved@footnotetext\@footnotetext
16837 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16838 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16839 \renewcommand{\@footnotetext}[1]{%
16840 \scr@saved@footnotetext{#1}%
16841 \csname FN@mf@prepare\endcsname
16842 }
16843 \renewcommand{\@LTRfootnotetext}[1]{%
16844 \scr@saved@LTRfootnotetext{#1}%
16845 \csname FN@mf@prepare\endcsname
16846 }
16847 \renewcommand{\@RTLfootnotetext}[1]{%
16848 \scr@saved@RTLfootnotetext{#1}%
16849 \csname FN@mf@prepare\endcsname
16850 }
16851 \renewcommand\deffootnote[4][1]{%
16852 \long\def\@makefntext##1{%
16853 \setlength{\@tempdimc}{#3}%
16854 \def\@tempa{#1}\ifx\@tempa\@empty
16855 \setpar{\@par
16856 \@tempdima = \hsize
16857 \addtolength{\@tempdima}{-#2}%
16858 \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16859 \else
16860 \addtolength{\@tempdimc}{#2}%
16861 \addtolength{\@tempdimc}{-#1}%
16862 \setpar{\@par
16863 \@tempdima = \hsize
16864 \addtolength{\@tempdima}{-#1}%

```



```

16865         \@tempdimb = \hsize
16866         \addtolength{\@tempdimb}{-#2}%
16867         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16868         }%
16869     \fi
16870     \par
16871     \parindent\@tempdimc\noindent
16872     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16873 }%
16874 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
16875 }
16876 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16877 \renewcommand*\left@footnoterule{%
16878     \normalsize\ftn@rule@test@values
16879     \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16880     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16881     {\usekomafont{footnoterule}{%
16882         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16883     \kern 2.6\p@}
16884 \renewcommand*\right@footnoterule{%
16885     \normalsize\ftn@rule@test@values
16886     \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16887     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16888     {\usekomafont{footnoterule}{%
16889         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16890         \kern 2.6\p@}
16891 \renewcommand*\maketitle[1][1]{%
16892     \if@titlepage
16893         \begin{titlepage}
16894             \setcounter{page}{%
16895                 #1%
16896             }%
16897             \let\footnotesize\small
16898             \let\right@footnoterule\relax
16899             \let\left@footnoterule\relax
16900             \let\textwidth@footnoterule\relax
16901             \let\footnote\thanks
16902             \let\LTRfootnote\LTRthanks
16903             \let\RTLfootnote\RTLthanks
16904             \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16905             \let\@oldmakefnmark\@makefnmark
16906             \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
16907             \ifx\@extratitle\@empty \else
16908                 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16909                 \thispagestyle{empty}%
16910             \fi
16911             \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16912             \ifx\@titlehead\@empty \else
16913                 \begin{minipage}[t]{\textwidth}%
16914                 \@titlehead

```



```

16915         \end{minipage}\par
16916     \fi
16917     \null\vfill
16918     \begin{center}
16919         \ifx\@subject\@empty \else
16920             {\subject@font \@subject \par}%
16921             \vskip 3em
16922         \fi
16923         {\titlefont\huge \@title\par}%
16924         \vskip 1em
16925     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16926     \vskip 2em
16927     {\Large \lineskip 0.75em
16928         \begin{tabular}[t]{c}
16929             \@author
16930         \end{tabular}\par
16931     }%
16932     \vskip 1.5em
16933     {\Large \@date \par}%
16934     \vskip \z@ \@plus3fill
16935     {\Large \@publishers \par}%
16936     \vskip 3em
16937     \end{center}\par
16938     \@thanks
16939     \vfill\null
16940     \if@twoside\next@tpage
16941         \begin{minipage}[t]{\textwidth}
16942             \@uppertitleback
16943         \end{minipage}\par
16944         \vfill
16945         \begin{minipage}[b]{\textwidth}
16946             \@lowertitleback
16947         \end{minipage}
16948     \fi
16949     \ifx\@dedication\@empty \else
16950         \next@tpage\null\vfill
16951         {\centering \Large \@dedication \par}%
16952         \vskip \z@ \@plus3fill
16953         \if@twoside \next@tpage\cleardoubleemptypage \fi
16954     \fi
16955     \end{titlepage}
16956 \else
16957     \par
16958     \@tempcnta=%
16959     #1%
16960     \relax\ifnum\@tempcnta=1\else
16961         \ClassWarning{KOMAClassName}{%
16962             Optional argument of \string\maketitle\space ignored
16963             at\MessageBreak
16964             notitlepage-mode%

```



```

16965     }%
16966 \fi
16967 \beginingroup
16968 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16969 \let\@oldmakefnmark\@makefnmark
16970 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16971 \if@twocolumn
16972 \ifnum \col@number=\@one
16973 \maketitle
16974 \else
16975 \twocolumn[\maketitle]%
16976 \fi
16977 \else
16978 \newpage
16979 \global\@topnum\z@
16980 \maketitle
16981 \fi
16982 \thispagestyle{\titlepagestyle}\@thanks
16983 \endgroup
16984 \fi
16985 \setcounter{footnote}{0}%
16986 \let\thanks\relax
16987 \let\LTRthanks\relax
16988 \let\RTLthanks\relax
16989 \let\maketitle\relax
16990 \let\@maketitle\relax
16991 \global\let\@thanks\@empty
16992 \global\let\@author\@empty
16993 \global\let\@date\@empty
16994 \global\let\@title\@empty
16995 \global\let\@subtitle\@empty
16996 \global\let\@extratitle\@empty
16997 \global\let\@titlehead\@empty
16998 \global\let\@subject\@empty
16999 \global\let\@publishers\@empty
17000 \global\let\@uppertitleback\@empty
17001 \global\let\@lowertitleback\@empty
17002 \global\let\@dedication\@empty
17003 \global\let\author\relax
17004 \global\let\title\relax
17005 \global\let\extratitle\relax
17006 \global\let\titlehead\relax
17007 \global\let\subject\relax
17008 \global\let\publishers\relax
17009 \global\let\uppertitleback\relax
17010 \global\let\lowertitleback\relax
17011 \global\let\dedication\relax
17012 \global\let\date\relax
17013 \global\let\and\relax
17014 }%

```



```

17015 \renewcommand*{\@maketitle}{%
17016   \clearpage
17017   \let\footnote\thanks
17018   \let\LTRfootnote\LTRthanks
17019   \let\RTLfootnote\RTLthanks
17020   \ifx\@extratitle\@empty \else
17021     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17022   \fi
17023   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
17024   \ifx\@titlehead\@empty \else
17025     \begin{minipage}[t]{\textwidth}
17026       \@titlehead
17027     \end{minipage}\par
17028   \fi
17029   \null
17030   \vskip 2em%
17031   \begin{center}%
17032     \ifx\@subject\@empty \else
17033       {\subject@font \@subject \par}
17034       \vskip 1.5em
17035     \fi
17036     {\titlefont\huge \@title \par}%
17037     \vskip .5em
17038     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17039     \vskip 1em
17040     {\Large
17041       \lineskip .5em%
17042       \begin{tabular}[t]{c}
17043         \@author
17044       \end{tabular}\par
17045     }%
17046     \vskip 1em%
17047     {\Large \@date \par}%
17048     \vskip \z@ \@plus 1em
17049     {\Large \@publishers \par}
17050     \ifx\@dedication\@empty \else
17051       \vskip 2em
17052       {\Large \@dedication \par}
17053     \fi
17054   \end{center}%
17055   \par
17056   \vskip 2em
17057 }%
17058 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17059 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17060 \renewcommand*\thesection{%
17061   \thechapter\@SepMark%
17062   \@arabic\c@section
17063 }
17064 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}

```



```

17065 \renewcommand*{\thesubsubsection}{%
17066   \thesubsection\@SepMark\@arabic\c@subsubsection
17067 }
17068 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17069 \renewcommand*{\thesubparagraph}{%
17070   \theparagraph\@SepMark\@arabic\c@subparagraph
17071 }
17072 \renewcommand*\thefigure{%
17073   \thechapter\@SepMark%
17074   \@arabic\c@figure
17075 }
17076 \renewcommand*\thetable{%
17077   \thechapter\@SepMark%
17078   \@arabic\c@table
17079 }
17080 \renewcommand*\theequation{%
17081   \thechapter\@SepMark%
17082   \@arabic\c@equation
17083 }
17084 \renewenvironment{thebibliography}[1]{%
17085   \if@bib@break@
17086     \bib@beginhook
17087   \else
17088     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17089       \setchapterpreamble{\bibpreamble}%
17090     \fi\fi
17091     \bib@heading
17092     \bib@beginhook
17093     \bib@before@hook
17094   \fi
17095   \renewcommand{\BreakBibliography}[1]{%
17096     \@bib@break
17097     \end{thebibliography}%
17098     \begingroup ##1\endgroup
17099     \begin{thebibliography}{#1}
17100   }%
17101   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17102   \list{%
17103     \@biblabel{\@arabic\c@enumiv}%
17104   }{%
17105     \settowidth\labelwidth{\@biblabel{#1}}%
17106     \leftmargin\labelwidth
17107     \advance\leftmargin\labelsep
17108     \@openbib@code
17109     \if@bib@break@
17110       \edef\@tempa{%
17111         \noexpand\usecounter{enumiv}%
17112         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17113       }\@tempa
17114     \no@bib@break

```




```

17115 \else
17116 \usecounter{enumiv}%
17117 \fi
17118 \let\p@enumiv\@empty
17119 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17120 }%
17121 \sloppy\clubpenalty4000 \widowpenalty4000
17122 \sfcode`\.=\@m
17123 }{%
17124 \if@bib@break@
17125 \def\@noitemerr{%
17126 \@latex@warning{%
17127 \string\BreakBibliography\space at begin of `thebibliography'
17128 environment\MessageBreak
17129 or following \string\BreakBibliography}%
17130 }%
17131 \else
17132 \def\@noitemerr{%
17133 \@latex@warning{%
17134 Empty `thebibliography' environment or
17135 \string\BreakBibliography\MessageBreak
17136 before end of `thebibliography' environment}%
17137 }%
17138 \fi
17139 \endlist
17140 \if@bib@break@
17141 \else
17142 \bib@after@hook
17143 \let\bib@before@hook\@empty
17144 \let\bib@after@hook\@empty
17145 \fi
17146 \bib@endhook
17147 }
17148 \renewcommand*\left@footnoterule{%
17149 \kern-3\p@
17150 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17151 \hrule\@width.4\columnwidth
17152 \kern 2.6\p@}
17153 \renewcommand*\right@footnoterule{%
17154 \kern-3\p@
17155 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17156 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17157 \kern2.6\p@}
17158 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17159 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17160 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17161 \renewcommand\marginline[1]{%
17162 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17163 }
17164 \renewcommand{\@makecaption}[3]{%

```



```

17165 \cap@margin
17166 \ifonelinecaptions
17167   \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17168   \let\scr@tmp@footnotetext=\@footnotetext
17169   \let\@footnotetext=\@gobble
17170   \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17171   \let\@LTRfootnotetext=\@gobble
17172   \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17173   \let\@RTLfootnotetext=\@gobble
17174   \sbox\@tempboxa{%
17175     {\capfont{\strut\ignorespaces
17176       #1{\caplabelfont{#2\captionformat}}}%
17177       #3\unskip\strut}}%
17178  }%
17179   \let\@footnotetext=\scr@tmp@footnotetext
17180   \let\scr@tmp@footnotetext=\undefined
17181   \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17182   \let\scr@tmp@LTRfootnotetext=\undefined
17183   \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17184   \let\scr@tmp@RTLfootnotetext=\undefined
17185   \setcounter{footnote}{\@tempcntb}%
17186   \setcounter{mpfootnote}{\@tempcnta}%
17187 \else
17188   \sbox\@tempboxa{\hspace*{2\cap@width}}%
17189 \fi
17190 \begingroup%
17191   \setlength{\@tempdima}{\cap@width}%
17192   \ifdim \wd\@tempboxa >\@tempdima
17193     \hb@xt@\hsize{%
17194       \setbox\@tempboxa\vbox{\hsize=\cap@width
17195         \ifdofullc@p
17196           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17197             #1{\caplabelfont{#2\captionformat}}}}}%
17198             #3\unskip\strut\par}}}%
17199     \else%
17200       \ifdim\cap@indent<\z@
17201         {\capfont{\strut\ignorespaces
17202           #1{\caplabelfont{#2\captionformat\par}}}%
17203           \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17204       \else%
17205         \if@capbreak
17206           {\capfont{\strut\ignorespaces
17207             #1{\caplabelfont{#2\captionformat\par}}}%
17208             \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17209         \else
17210           {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17211             {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17212               {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17213         \fi
17214       \fi

```



```

17215         \fi
17216     }%
17217     \setlength{\@tempdima}{\ht\@tempboxa}%
17218     \addtolength{\@tempdima}{\dp\@tempboxa}%
17219     \addtolength{\@tempdima}{-\ht\strutbox}%
17220     \ht\@tempboxa\ht\strutbox
17221     \dp\@tempboxa\@tempdima
17222     \strut\cap@left
17223     \box\@tempboxa
17224     \cap@right\strut
17225 }%
17226 \else
17227     \global \@minipagefalse
17228     \sbox\@tempboxa{%
17229         {\capfont{\scr@smashdp{\strut\ignorespaces
17230             #1{\caplabelfont{#2\captionformat}}}%
17231             #3}}%
17232     }%
17233     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
17234     \fi
17235 \endgroup
17236 }
17237 \renewcommand{\@makecaption}[2]{%
17238     \if@captionabove
17239         \vskip\belowcaptionskip
17240     \else
17241         \vskip\abovecaptionskip
17242     \fi
17243     \@@makecaption\@firstofone{#1}{#2}%
17244     \if@captionabove
17245         \vskip\abovecaptionskip
17246     \else
17247         \vskip\belowcaptionskip
17248     \fi
17249 }
17250 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17251     \@ifpackageloaded{caption2}{\@komalongtablefalse
17252         \scr@caption@before@longtable@warning{caption2}%
17253     }{}%
17254     \if@komalongtable
17255         \renewcommand{\LT@makecaption}[3]{%
17256             \noalign{%
17257                 \if@captionabove
17258                     \vskip\belowcaptionskip
17259                 \else
17260                     \vskip\abovecaptionskip
17261                 \fi
17262             }%
17263             \LT@mcol\LT@cols c{%
17264                 \hbox to\z@{\hss\parbox[t]{linewidth}%

```



```

17265         \@@makecaption{#1}{#2}{#3}%
17266         \endgraf
17267         \if@captionabove
17268             \vskip\abovecaptionskip
17269         \else
17270             \vskip\belowcaptionskip
17271         \fi
17272     }%
17273     \hss
17274 }%
17275 }%
17276 }%
17277 \renewcommand*{\scr@LT@array}{}%
17278 \let\scr@LT@array=\LT@array
17279 \renewcommand*{\LT@array}{%
17280     \let\scr@caption=\LT@caption
17281     \def\captionabove{\noalign{\global\@captionabovetrue}%
17282         \scr@caption}%
17283     \def\captionbelow{\noalign{\global\@captionabovetrue}%
17284         \scr@caption}%
17285     \if@tablecaptionabove
17286         \let\LT@caption=\captionabove
17287     \else
17288         \let\LT@caption=\captionbelow
17289     \fi
17290     \scr@LT@array
17291 }%
17292 \ClassInfo{\KOMAClassName}{%
17293     longtable captions redefined%
17294 }%
17295 \fi
17296 }
17297
17298 \CloneTOCEntryStyle{tocline}{part}
17299 \TOCEntryStyleStartInitCode{part}{%
17300     \expandafter\renewcommand%
17301     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17302     \expandafter\renewcommand%
17303     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17304     \expandafter\renewcommand%
17305     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17306         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17307     \expandafter\renewcommand\expandafter*%
17308     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p0}%
17309 }
17310
17311 \CloneTOCEntryStyle{tocline}{chapter}
17312 \TOCEntryStyleStartInitCode{chapter}{%
17313     \expandafter\renewcommand%
17314     \csname scr@tso@#1@linefill\endcsname{%

```



```

17315 \if@chapterentrywithdots
17316 \TOCLineLeaderFill\relax
17317 \else
17318 \hfill
17319 \fi
17320 }%
17321 \expandafter\renewcommand%
17322 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17323 \expandafter\renewcommand%
17324 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17325 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17326 \expandafter\renewcommand\expandafter*%
17327 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17328 }
17329
17330 \CloneTOCEntryStyle{tocline}{section}
17331 \TOCEntryStyleStartInitCode{section}{%
17332 \expandafter\renewcommand%
17333 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17334 }
17335
17336 \CloneTOCEntryStyle{section}{default}
17337
17338 \DeclareSectionCommand[%
17339 style=part,%
17340 level=\m@ne,%
17341 pagestyle=plain,%
17342 tocstyle=part,%
17343 toclevel=\m@ne,%
17344 tocindent=\z@,%
17345 tocnumwidth=2em%
17346 ]{part}
17347 \DeclareSectionCommand[%
17348 style=chapter,%
17349 level=\z@,%
17350 pagestyle=plain,%
17351 tocstyle=chapter,%
17352 tocindent=\z@,%
17353 tocnumwidth=1.5em%
17354 ]{chapter}
17355 \DeclareSectionCommand[%
17356 style=section,%
17357 level=1,%
17358 indent=\z@,%
17359 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17360 afterskip=2.3ex \@plus .2ex,%
17361 tocstyle=section,%
17362 tocindent=1.5em,%
17363 tocnumwidth=2.3em%
17364 ]{section}

```



```

17365 \DeclareSectionCommand[%
17366   style=section,%
17367   level=2,%
17368   indent=\z@,%
17369   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17370   afterskip=1.5ex \@plus .2ex,%
17371   tocstyle=section,%
17372   tocindent=3.8em,%
17373   tocnumwidth=3.2em%
17374 ]{subsection}
17375 \DeclareSectionCommand[%
17376   style=section,%
17377   level=3,%
17378   indent=\z@,%
17379   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17380   afterskip=1.5ex \@plus .2ex,%
17381   tocstyle=section,%
17382   tocindent=7.0em,%
17383   tocnumwidth=4.1em%
17384 ]{subsubsection}
17385 \DeclareSectionCommand[%
17386   style=section,%
17387   level=4,%
17388   indent=\z@,%
17389   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17390   afterskip=-1em,%
17391   tocstyle=section,%
17392   tocindent=10em,%
17393   tocnumwidth=5em%
17394 ]{paragraph}
17395 \DeclareSectionCommand[%
17396   style=section,%
17397   level=5,%
17398   indent=\scr@parindent,%
17399   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17400   afterskip=-1em,%
17401   tocstyle=section,%
17402   tocindent=12em,%
17403   tocnumwidth=6em%
17404 ]{subparagraph}
17405
17406

```

7.105 sidecap-xetex-bidi.def

```

17407 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for Xe
17408 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
17409   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}}{\if@RTL%
17410   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}}{\if@RTL%
17411   \renewcommand*{\SC@justif@caption}{\if@RTL%

```



```

17412 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
17413 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.106 soul-xetex-bidi.def

```

17414 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX e
17415 \long\def\SOUL@start#1{%
17416 \let\bidi@RTL@everypar\@empty
17417 \let\<\SOUL@lowerthan
17418 \let\>\empty
17419 \def\soulomit{\noexpand\soulomit}%
17420 \gdef\SOUL@eventuallyexhyphen##1{%
17421 \let\SOUL@soeventuallyskip\relax
17422 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
17423 \@minus\fontdimen4\font
17424 \SOUL@ignorespacesfalse
17425 \leavevmode
17426 \SOUL@preamble
17427 \SOUL@lasttoken={}%
17428 \SOUL@word={}%
17429 \SOUL@minus\z@
17430 \SOUL@comma\z@
17431 \SOUL@apo\z@
17432 \SOUL@grave\z@
17433 \SOUL@do{#1}%
17434 \SOUL@postamble
17435 }}
17436 \def\SOUL@ulunderline#1{%
17437 \setbox\z@\hbox{#1}%
17438 \dimen@=\wd\z@
17439 \dimen@i=\SOUL@uloverlap
17440 \advance\dimen@2\dimen@i
17441 \if@RTL
17442 \unhcopy\z@
17443 \llap{%
17444 \null
17445 \kern-\dimen@i
17446 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17447 }%
17448 \else
17449 \rlap{%
17450 \null
17451 \kern-\dimen@i
17452 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17453 }%
17454 \unhcopy\z@
17455 \fi
17456 }}
17457 \def\bidi@SOUL@ulleaders{%
17458 \leaders\hbext@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\rela

```



```

17459 }
17460 \def\SOUL@uleveryspace#1{%
17461     \if@RTL
17462     #1%
17463     \bidi@SOUL@ulleaders
17464     \hskip\spaceskip
17465     \else
17466     \SOUL@ulcolor{%
17467     #1%
17468     \SOUL@ulleaders
17469     \hskip\spaceskip
17470 }%
17471 \fi
17472 \null
17473 }

```

7.107 stabular-xetex-bidi.def

```

17474 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for
17475 \def\@stabular{\if@RTL\@RTLtabtrue\fi
17476 \leavevmode \bgroup \if@RTLtab\beginR \fi
17477 \let\@acol\@tabacol
17478 \let\@classz\@tabclassz
17479 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
17480 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17481 \egroup \if@RTLtab\endR\fi\egroup
17482 \@RTLtabfalse}
17483 \expandafter \let \csname endstabular*\endcsname = \endstabular
17484 \def\@sarray[#1]#2{%
17485 \bgroup
17486 \setbox\@arstrutbox\hbox{%
17487 \vrule \@height\arraystretch\ht\strutbox
17488 \@depth\arraystretch \dp\strutbox
17489 \@width\z@}%
17490 \@mkpream{#2}%
17491 \edef\@preamble{%
17492 \ialign \noexpand\@halignto
17493 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17494 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17495 \let\@tabularnewline\\%
17496 \let\@sharp##%
17497 \set@typeset@protect
17498 \lineskip\z@skip\baselineskip\z@skip
17499 \if@RTLtab\hbox\bgroup\beginR\if #1\top \else \vbox \fi\bgroup\fi
17500 \@preamble}

```

7.108 subfigure-xetex-bidi.def

```

17501 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package f
17502 \AtBeginDocument{%
17503 \let\p@subfigure=\thefigure

```




```

17504 \let\p@subtable=\thetable%
17505 }

```

7.10g tabs-xetex-bidi.def

```

17506 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
17507 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
17508     \@RTLtabfalse}
17509
17510 \expandafter\let\csname endtabular*\endcsname=\endtabular
17511
17512 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
17513     \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
17514     \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\unrecurse\egroup}
17515
17516 \def\@array[#1]#2{% remember global variables to allow recursion:
17517     \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
17518         \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
17519     \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
17520     \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
17521     \else \let\@tarlinesep\tablinesep \fi
17522     \divide\@tarlinesep\tw@ % half sep is applied to height & depth
17523     \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
17524     \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
17525     \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
17526         \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@@size
17527         \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
17528     \fi \setbox\@arstrutbox\hbox{% set up smaller strut
17529         \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
17530     \let\protect\noexpand
17531     \edef\@preamble{\ialign \noexpand\@halignto \bgroup
17532         \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
17533     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17534     \if#1t\vtop \else \if#1b\vbbox \else \vcenter \fi\fi
17535     \bgroup \let\par\empty
17536     \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
17537     \advance\extrarulesep.5\arrayrulewidth
17538     \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
17539     \if@RTLtab\hbox\bgroup\beginR\if#1t\vtop \else \vbbox \fi\bgroup\fi
17540     \@preamble}

```

7.110 tabularx-xetex-bidi.def

```

17541 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for XeTeX]
17542 \def\TX@endtabularx{%
17543     \expandafter\expandafter\expandafter
17544         \TX@find@endtabularxa\csname end\TX@\endcsname
17545         \endtabularx\TX@\endtabularx\TX@find@endtabularxa
17546     \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
17547     \let\verb\TX@verb
17548     \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%

```



```

17549 \edef\TX@ckpt{\cl@ckpt}%
17550 \let\@elt\relax
17551 \TX@old@table\maxdimen
17552 \TX@col@width\TX@target
17553 \global\TX@cols\@ne
17554 \TX@typeout@
17555 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
17556 \TX@trial{\def\NC@rewrite@X{%
17557 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
17558 \loop
17559 \TX@arith
17560 \ifTX@
17561 \TX@trial{%
17562 \repeat
17563 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
17564 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
17565 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
17566 \csname tabular*\expandafter\endcsname\expandafter\TX@target
17567 \the\toks@
17568 \csname endtabular*\endcsname}%
17569 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
17570 \ifnum0=\fi}%
17571 \expandafter\expandafter\expandafter
17572 \TX@find@endtabularxbb
17573 \expandafter\end\expandafter{\TX@}%
17574 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
17575 }
17576
17577 \def\TX@trial#1{%
17578 \setbox\@tempboxa\hbox{%
17579 #1\relax
17580 \let\@footnotetext\TX@trial@ftn
17581 \let\@LTRfootnotetext\TX@trial@ftn
17582 \let\@RTLfootnotetext\TX@trial@ftn
17583 \let\TX@vwarn\@empty
17584 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
17585 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
17586 \def\write{\begingroup
17587 \def\let{\afterassignment\endgroup\toks@}%
17588 \afterassignment\let\count@}%
17589 \hbadness\@M
17590 \hfuzz\maxdimen
17591 \let\hbadness\@tempcnta
17592 \let\hfuzz\@tempdima
17593 \expandafter\tabular\the\toks@
17594 \endtabular}%
17595 \TX@ckpt
17596 \TX@typeout@{\@spaces
17597 \expandafter\TX@align
17598 \the\wd\@tempboxa\space\space\space\space\space\space\@@

```



```

17599      \expandafter\TX@align
17600      \the\TX@col@width\space\space\space\space\space\@@
17601      \@spaces\the\TX@cols}}
17602
17603 \long\def\TX@LTRfnttext#1{%
17604   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
17605             [\the\csname c@\mpfn\endcsname]}}%
17606   \global\TX@ftn\expandafter{\@tempa{#1}}}%
17607 \long\def\TX@xLTRfnttext[#1]#2{%
17608   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
17609
17610 \long\def\TX@RTLfnttext#1{%
17611   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
17612             [\the\csname c@\mpfn\endcsname]}}%
17613   \global\TX@ftn\expandafter{\@tempa{#1}}}%
17614 \long\def\TX@xRTLfnttext[#1]#2{%
17615   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

7.111 tabulary-xetex-bidi.def

```

17616 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
17617 \def\@testpach{\@chclass
17618   \ifnum \@lastchclass=6 \one \@chnum \one \else
17619     \ifnum \@lastchclass=7 5 \else
17620       \ifnum \@lastchclass=8 \tw@ \else
17621         \ifnum \@lastchclass=9 \thr@@
17622           \else \z@
17623             \ifnum \@lastchclass = 10 \else
17624               \edef\@nextchar{\expandafter\string\@nextchar}%
17625               \@chnum
17626               \if \@nextchar c\z@ \else
17627                 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
17628                   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
17629                     \if \@nextchar C7 \else
17630                       \if \@nextchar L8 \else
17631                         \if \@nextchar R9 \else
17632                           \if \@nextchar J10 \else
17633                             \z@ \@chclass
17634                             \if\@nextchar |\@ne \else
17635                               \if \@nextchar !6 \else
17636                                 \if \@nextchar @7 \else
17637                                   \if \@nextchar <8 \else
17638                                     \if \@nextchar >9 \else
17639                                       10
17640                                       \@chnum
17641                                       \if \@nextchar m\thr@@\else
17642                                         \if \@nextchar p4 \else
17643                                           \if \@nextchar b5 \else
17644                                             \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
17645                                             \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```



7.112 tc-xetex-bidi.def

```
17646 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
17647 \def\@cliptoboxdim#1{%
17648   \setbox#1=\hbox{%
17649     \Gin@defaultbp\WIDTH{\wd#1}%
17650     \Gin@defaultbp\DEPTH{\dp#1}%
17651     \@tempdima\ht#1%
17652     \advance\@tempdima\dp#1%
17653     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
17654     \beginL\special{pdf:bcontent }%
17655     \special{%
17656       pdf:literal direct
17657       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
17658     }%
17659     \special{pdf:literal direct W }%
17660     \special{pdf:literal direct n }%
17661     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
17662     \special{pdf:econtent }\endL%
17663   }%
17664 }
```

7.113 titlesec-xetex-bidi.def

```
17665 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for XeTeX]
17666 \renewcommand\filright{%
17667   \gdef\ttl@filleft##1{\hskip##1}%
17668   \gdef\ttl@filright##1{\hfill}%
17669   \let\\\@centercr
17670   \advance\rightskip\z@ \@plus 1fil
17671   \parfillskip\z@}
17672 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
17673   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
17674   \setlength\leftskip{#6}%
17675   \setlength\rightskip{#7}%
17676   \interlinepenalty\@M
17677   \ttl@changecentercr
17678   \ttl@beginlongest
17679   #1{\ifhmode\ttl@hmode@error\fi
17680     \ttl@glcmds
17681     \parindent\z@
17682     \leavevmode
17683     \begingroup
17684     \ifttl@label
17685       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
17686       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
17687       \llap{\box\z@}%
17688     \fi
17689     #4{#8}%
17690     \kern\z@\strut\@par
17691   \endgroup}
```



```

17692 \nobreak\ttl@midlongest#5\@par}%
17693 \ttl@endlongest}

```

7.114 titletoc-xetex-bidi.def

```

17694 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
17695 \renewcommand\filright{%
17696 \gdef\ttl@filleft##1{\hskip##1}%
17697 \gdef\ttl@filright##1{\hfill}%
17698 \let\\\@centercr
17699 \advance\rightskip\z@ \@plus 1fil
17700 \parfillskip\z@}
17701 \renewcommand\contentspush[1]{%
17702 \sbox\z@{#1}%
17703 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
17704 \aftergroup\ttl@b
17705 \leavevmode\llap{\box\z@}}
17706 \def\ttl@outnoblock#1#2#3{%
17707 \begingroup
17708 \ifnum\ttl@b>\ttl@a
17709 \nobreak
17710 \else\ifnum\ttl@b<\ttl@a
17711 \addpenalty{\@secpenalty}%
17712 \else
17713 \addpenalty{\z@}%
17714 \fi\fi
17715 \ttl@contentsstretch
17716 \nobreak
17717 \ifcase#1\relax\else\interlinepenalty\@M\fi
17718 \parindent\z@
17719 \ifx\@nil#2%
17720 \PackageError{titletoc}{Unimplemented}%
17721 {The optional argument is currently mandatory}%
17722 \else
17723 \if@RTL\setlength\rightskip{#2}\else
17724 \setlength\leftskip{#2}\fi%
17725 \fi
17726 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
17727 \let\contentsmargin\ttl@margin
17728 \def\ttl@makeline##1{##1}%
17729 #3%
17730 \addtolength{\parfillskip}{-\ttl@corr}%
17731 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
17732 \let\ttl@leaders\leaders}
17733 \renewcommand\ttl@margin[2][\z@]{%
17734 \def\ttl@corr{#1}%
17735 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
17736 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
17737 \def\@pnumwidth{#2}}
17738 \let\ttl@savel@part\l@part

```



```

17739 \def\l@part{\ttl@lselect{part}}
17740
17741 \let\ttl@savel@chapter\l@chapter
17742 \def\l@chapter{\ttl@lselect{chapter}}

```

7.115 tocbibind-xetex-bidi.def

```

17743 \ProvidesFile{tocbibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocbibind package]
17744 \if@dotocbib
17745   \ifpackageloaded{natbib}{\fi}{% natbib not loaded
17746     \renewcommand{\bibsection}{\t@cb@bchapsec}
17747     \renewenvironment{thebibliography}[1]{%
17748       \bibsection
17749       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
17750   \renewenvironment{thebibitemlist}[1]{
17751     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17752     \list{\@biblabel{\@arabic{c@enumiv}}}{%
17753       {\settowidth\labelwidth{\@biblabel{#1}}%
17754         \leftmargin\labelwidth
17755         \advance\leftmargin\labelsep
17756         \@openbib@code
17757         \usecounter{enumiv}%
17758         \let\p@enumiv\@empty
17759         \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
17760     \sloppy
17761     \clubpenalty4000
17762     \@clubpenalty \clubpenalty
17763     \widowpenalty4000%
17764     \sfcode`\.\@m}
17765   {\def\@noitemerr
17766     {\@latex@warning{Empty `thebibliography' environment}}}%
17767   \endlist}
17768
17769   \ifpackagewith{chapterbib}{sectionbib}%
17770     {\renewcommand{\sectionbib}[2]{}}%
17771   {}
17772
17773 \fi
17774 \if@inltxdoc\else
17775   \renewenvironment{theindex}%
17776     {\if@twocolumn
17777       \@restonecolfalse
17778     \else
17779       \@restonecoltrue
17780     \fi
17781     \if@bibchapter
17782       \if@donumindex
17783         \refstepcounter{chapter}
17784         \twocolumn[\vspace*{2\topskip}%
17785           \@makechapterhead{\indexname}}}%

```



```

17786 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
17787 \chaptermark{\indexname}
17788 \else
17789 \if@dotocind
17790 \twocolumn[\vspace*{2\topskip}%
17791 \qquad \qquad \qquad \@makeschapterhead{\indexname}}%
17792 \prw@mkboth{\indexname}
17793 \addcontentsline{toc}{chapter}{\indexname}
17794 \else
17795 \twocolumn[\vspace*{2\topskip}%
17796 \qquad \qquad \qquad \@makeschapterhead{\indexname}}%
17797 \prw@mkboth{\indexname}
17798 \fi
17799 \fi
17800 \else
17801 \if@donumindex
17802 \twocolumn[\vspace*{-1.5\topskip}%
17803 \qquad \qquad \qquad \@nameuse{\@tocextra}{\indexname}}%
17804 \csname \@tocextra mark\endcsname{\indexname}
17805 \else
17806 \if@dotocind
17807 \twocolumn[\vspace*{-1.5\topskip}%
17808 \qquad \qquad \qquad \toc@headstar{\@tocextra}{\indexname}}%
17809 \prw@mkboth{\indexname}
17810 \addcontentsline{toc}{\@tocextra}{\indexname}
17811 \else
17812 \twocolumn[\vspace*{-1.5\topskip}%
17813 \qquad \qquad \qquad \toc@headstar{\@tocextra}{\indexname}}%
17814 \prw@mkboth{\indexname}
17815 \fi
17816 \fi
17817 \fi
17818 \thispagestyle{plain}\parindent\z@
17819 \parskip\z@ \@plus .3\p@\relax
17820 \let\item\@idxitem
17821 {\if@restonecol\onecolumn\else\clearpage\fi}
17822 \fi

```

7.116 tocloft-xetex-bidi.def

```

17823 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for Xe
17824 \let\cftdot\@SepMark
17825 \if@cfthaspart
17826 \renewcommand*{\l@part}[2]{
17827 \qquad \cftdopartfalse
17828 \ifnum \c@tocdepth >-2\relax
17829 \qquad \if@cfthaschapter
17830 \qquad \cftdoparttrue
17831 \qquad \fi
17832 \qquad \ifnum \c@tocdepth >\m@ne

```



```

17833     \if@cfthaschapter\else
17834         \cftdoparttrue
17835     \fi
17836 \fi
17837 \fi
17838 \if@cftdopart
17839     \if@cfthaschapter
17840         \addpenalty{-\@highpenalty}
17841     \else
17842         \addpenalty\@secpenalty
17843     \fi
17844     \addvspace{\cftbeforepartskip}
17845     \begingroup
17846         {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
17847         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17848         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17849         \parindent \cftpartindent\relax\@afterindenttrue
17850         \interlinepenalty\@M
17851         \leavevmode
17852         \@tempdima \cftpartnumwidth\relax
17853         \let\@cftbsnum \cftpartpresnum
17854         \let\@cftasnum \cftpartaftersnum
17855         \let\@cftasnumb \cftpartaftersnumb
17856         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
17857         {\cftpartfont \cftpartpresnum #1}
17858         \cftpartfillnum{#2}}
17859     \nobreak
17860     \if@cfthaschapter
17861         \global\@nobreaktrue
17862         \everypar{\global\@nobreakfalse\everypar{}}
17863     \else
17864         \if@compatibility
17865             \global\@nobreaktrue
17866             \everypar{\global\@nobreakfalse\everypar{}}
17867         \fi
17868     \fi
17869 \endgroup
17870 \fi}
17871 \fi
17872 \if@cfthaschapter
17873 \renewcommand*{\l@chapter}[2]{
17874     \ifnum \c@tocdepth >\m@ne
17875         \addpenalty{-\@highpenalty}
17876         \vskip \cftbeforechapskip
17877         {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
17878         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17879         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17880         \parindent \cftchapindent\relax\@afterindenttrue
17881         \interlinepenalty\@M
17882         \leavevmode

```




```

17883 \@tempdima \cftchapnumwidth\relax
17884 \let\@cftbsnum \cftchappresnum
17885 \let\@cftasnum \cftchapaftersnum
17886 \let\@cftasnumb \cftchapaftersnumb
17887 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17888 {\cftchapfont #1}\nobreak
17889 \cftchapfillnum{#2}}
17890 \fi}
17891 \fi
17892 \renewcommand*{\l@section}[2]{%
17893 \ifnum \c@tocdepth >\z@
17894 \ifcftaschapter
17895 \vskip \cftbeforesecskip
17896 \else
17897 \addpenalty\@secpenalty
17898 \addvspace{\cftbeforesecskip}
17899 \fi
17900 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
17901 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17902 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17903 \parindent \cftsecindent\relax\@afterindenttrue
17904 \interlinepenalty\@M
17905 \leavevmode
17906 \@tempdima \cftsecnumwidth\relax
17907 \let\@cftbsnum \cftsecpresnum
17908 \let\@cftasnum \cftsecaftersnum
17909 \let\@cftasnumb \cftsecaftersnumb
17910 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17911 {\cftsecfont #1}\nobreak
17912 \cftsecfillnum{#2}}
17913 \fi}
17914 \renewcommand*{\l@subsection}[2]{%
17915 \ifnum \c@tocdepth >\@ne
17916 \vskip \cftbeforesubsecskip
17917 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
17918 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17919 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17920 \parindent \cftsubsecindent\relax\@afterindenttrue
17921 \interlinepenalty\@M
17922 \leavevmode
17923 \@tempdima \cftsubsecnumwidth\relax
17924 \let\@cftbsnum \cftsubsecpresnum
17925 \let\@cftasnum \cftsubsecaftersnum
17926 \let\@cftasnumb \cftsubsecaftersnumb
17927 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17928 {\cftsubsecfont #1}\nobreak
17929 \cftsubsecfillnum{#2}}
17930 \fi}
17931 \renewcommand*{\l@subsubsection}[2]{%
17932 \ifnum \c@tocdepth >\tw@

```



```

17933 \vskip \cftbeforesubsubsecskip
17934 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsubsecindent\relax
17935 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17936 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17937 \parindent \cftsubsubsecindent\relax\@afterindenttrue
17938 \interlinepenalty\@M
17939 \leavevmode
17940 \@tempdima \cftsubsubsecnumwidth\relax
17941 \let\@cftbsnum \cftsubsubsecpresnum
17942 \let\@cftasnum \cftsubsubsecftersnum
17943 \let\@cftasnumb \cftsubsubsecftersnumb
17944 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17945 {\cftsubsubsecfont #1}\nobreak
17946 \cftsubsubsecfillnum{#2}}
17947 \fi}
17948 \renewcommand*{\l@paragraph}[2]{%
17949 \ifnum \c@tocdepth >3\relax
17950 \vskip \cftbeforeparaskip
17951 {\if@RTL\rightrightskip\else\leftskip\fi \cftparaindent\relax
17952 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17953 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17954 \parindent \cftparaindent\relax\@afterindenttrue
17955 \interlinepenalty\@M
17956 \leavevmode
17957 \@tempdima \cftparanumwidth\relax
17958 \let\@cftbsnum \cftparapresnum
17959 \let\@cftasnum \cftparaftersnum
17960 \let\@cftasnumb \cftparaftersnumb
17961 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17962 {\cftparafont #1}\nobreak
17963 \cftparafillnum{#2}}
17964 \fi}
17965 \renewcommand*{\l@subparagraph}[2]{%
17966 \ifnum \c@tocdepth >4\relax
17967 \vskip \cftbeforesubparaskip
17968 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
17969 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17970 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17971 \parindent \cftsubparaindent\relax\@afterindenttrue
17972 \interlinepenalty\@M
17973 \leavevmode
17974 \@tempdima \cftsubparanumwidth\relax
17975 \let\@cftbsnum \cftsubparapresnum
17976 \let\@cftasnum \cftsubparaftersnum
17977 \let\@cftasnumb \cftsubparaftersnumb
17978 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17979 {\cftsubparafont #1}\nobreak
17980 \cftsubparafillnum{#2}}
17981 \fi}
17982 \renewcommand*{\l@figure}[2]{%

```



```

17983 \ifnum \c@lofdepth >\z@
17984 \vskip \cftbeforefigskip
17985 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
17986 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
17987 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
17988 \parindent \cftfigindent\relax\@afterindenttrue
17989 \interlinepenalty\@M
17990 \leavevmode
17991 \@tempdima \cftfignumwidth\relax
17992 \let\@cftbsnum \cftfigpresnum
17993 \let\@cftasnum \cftfigaftersnum
17994 \let\@cftasnumb \cftfigaftersnumb
17995 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17996 {\cftfigfont #1}\nobreak
17997 \cftfigfillnum{#2}}
17998 \fi
17999 }
18000 \renewcommand*{\l@table}[2]{%
18001 \ifnum\c@lotdepth >\z@
18002 \vskip \cftbeforetabskip
18003 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
18004 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
18005 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
18006 \parindent \cfttabindent\relax\@afterindenttrue
18007 \interlinepenalty\@M
18008 \leavevmode
18009 \@tempdima \cfttabnumwidth\relax
18010 \let\@cftbsnum \cfttabpresnum
18011 \let\@cftasnum \cfttabaftersnum
18012 \let\@cftasnumb \cfttabaftersnumb
18013 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
18014 {\cfttabfont #1}\nobreak
18015 \cfttabfillnum{#2}}
18016 \fi
18017 }
18018 \renewcommand*{\@cftl@subfig}{%
18019 \renewcommand*{\l@subfigure}[2]{%
18020 \ifnum \c@lofdepth > \toclevel@subfigure
18021 \vskip \cftbeforesubfigskip
18022 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubfigindent\relax
18023 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
18024 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
18025 \parindent \cftsubfigindent\relax\@afterindenttrue
18026 \interlinepenalty\@M
18027 \leavevmode
18028 \@tempdima \cftsubfignumwidth\relax
18029 \let\@cftbsnum \cftsubfigpresnum
18030 \let\@cftasnum \cftsubfigaftersnum
18031 \let\@cftasnumb \cftsubfigaftersnumb
18032 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip

```



```

18033     {\cftsubfigfont ##1}\nobreak
18034     \cftsubfigfillnum{##2}}
18035   \fi
18036 }
18037 }
18038 \renewcommand{\@cftl@subtab}{
18039 \renewcommand*{\l@subtable}[2]{%
18040   \ifnum \c@lotdepth > \toclevel@subtable
18041     \vskip \cftbeforesubtabskip
18042     {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
18043     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18044     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18045     \parindent \cftsubtabindent\relax\@afterindenttrue
18046     \interlinepenalty\@M
18047     \leavevmode
18048     \@tempdima \cftsubtabnumwidth\relax
18049     \let\@cftbsnum \cftsubtabpresnum
18050     \let\@cftasnum \cftsubtabaftersnum
18051     \let\@cftasnumb \cftsubtabaftersnumb
18052     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18053     {\cftsubtabfont ##1}\nobreak
18054     \cftsubtabfillnum{##2}}
18055   \fi
18056 }
18057 }
18058 \renewcommand{\newlistentry}[4][\@empty]{%
18059   \@ifundefined{c@#2}{%    check & set the counter
18060     \ifx \@empty#1\relax
18061       \newcounter{#2}
18062     \else
18063       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
18064         {#1 has no counter for use as a `within'}}
18065       \newcounter{#2}}%
18066     {\newcounter{#2}[#1]%
18067     \expandafter\edef\csname the#2\endcsname{%
18068     \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}%
18069     \fi
18070     \setcounter{#2}{0}
18071   }
18072   {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
18073 }
18074 \@namedef{l@#2}##1##2{%
18075   \ifnum \@nameuse{c@#3depth} > #4\relax
18076     \vskip \@nameuse{cftbefore#2skip}
18077     {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
18078     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18079     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18080     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
18081     \interlinepenalty\@M
18082     \leavevmode

```



```

18083      \@tempdima \@nameuse{cft#2numwidth}\relax
18084      \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
18085      \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
18086      \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
18087      \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightsk
18088      {\@nameuse{cft#2font}##1}\nobreak
18089      \@nameuse{cft#2fillnum}{##2}}
18090      \fi
18091  } % end of \l@#2
18092
18093  \expandafter\newlength\csname cftbefore#2skip\endcsname
18094      \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2p@}
18095  \expandafter\newlength\csname cft#2indent\endcsname
18096  \expandafter\newlength\csname cft#2numwidth\endcsname
18097  \ifcase #4\relax % 0
18098      \setlength{\@nameuse{cft#2indent}}{0em}
18099      \setlength{\@nameuse{cft#2numwidth}}{1.5em}
18100  \or % 1
18101      \setlength{\@nameuse{cft#2indent}}{1.5em}
18102      \setlength{\@nameuse{cft#2numwidth}}{2.3em}
18103  \or % 2
18104      \setlength{\@nameuse{cft#2indent}}{3.8em}
18105      \setlength{\@nameuse{cft#2numwidth}}{3.2em}
18106  \or % 3
18107      \setlength{\@nameuse{cft#2indent}}{7.0em}
18108      \setlength{\@nameuse{cft#2numwidth}}{4.1em}
18109  \else % anything else
18110      \setlength{\@nameuse{cft#2indent}}{10.0em}
18111      \setlength{\@nameuse{cft#2numwidth}}{5.0em}
18112  \fi
18113  \@namedef{cft#2font}{\normalfont}
18114  \@namedef{cft#2presnum}{}
18115  \@namedef{cft#2aftersnum}{}
18116  \@namedef{cft#2aftersnumb}{}
18117  \@namedef{cft#2dotsep}{\cftdotsep}
18118  \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
18119  \@namedef{cft#2pagefont}{\normalfont}
18120  \@namedef{cft#2afterpnum}{}
18121  \@namedef{toclevel@#2}{#4}
18122  \@namedef{cft#2fillnum}##1{%
18123      {\@nameuse{cft#2leader}}\nobreak
18124      \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
18125  } % end \newlistentry
18126  \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
18127      {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
18128      \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
18129      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
18130      \textit{#1}\protect\par}}}

```



7.117 tocbasic-xetex-bidi.def

```

18131 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package for
18132 \bidi@undef\scr@dte@def@1@undottedtocline
18133 \bidi@undef\scr@dte@undottedtocline@init
18134 \DeclareTOCEntryStyle{undottedtocline}[{%
18135   \DefineTOCEntryLengthOption{indent}%
18136   {scr@tso@}{@indent}{entry indent}%
18137   \DefineTOCEntryLengthOption{numwidth}%
18138   {scr@tso@}{@numwidth}{entry number width}%
18139   \@ifundefined{#1tocdepth}{%
18140     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18141       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18142         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18143           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18144             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18145               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18146                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18147                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18148                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18149                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
18150                         \csname #1numdepth\endcsname
18151                       }%
18152                     }%
18153                   }%
18154                 }%
18155               }%
18156             }%
18157           }%
18158         }%
18159       }%
18160     }{}%
18161   \@ifundefined{scr@tso@#1@indent}{%
18162     \@ifundefined{scr@#1@tocindent}{%
18163       \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18164         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18165           \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18166             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18167               \scr@ifundefinedorrelax{1@chapter}{%
18168                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18169                   \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18170                     \ifstr{#1}{subsubsection}{%
18171                       \@namedef{scr@tso@#1@indent}{3.8em}%
18172                     }%
18173                   \ifstr{#1}{paragraph}{%
18174                     \@namedef{scr@tso@#1@indent}{7em}%
18175                   }{%
18176                     \ifstr{#1}{subparagraph}{%
18177                       \@namedef{scr@tso@#1@indent}{10em}%
18178                     }%

```



```

18179         }%
18180     }%
18181 }%
18182 }%
18183 }%
18184 }{%
18185     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18186     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18187         \ifstr{#1}{subsubsection}{%
18188             \@namedef{scr@tso@#1@indent}{7.0em}%
18189         }{%
18190             \ifstr{#1}{paragraph}{%
18191                 \@namedef{scr@tso@#1@indent}{10em}%
18192             }{%
18193                 \ifstr{#1}{subparagraph}{%
18194                     \@namedef{scr@tso@#1@indent}{12em}%
18195                 }{%
18196                     }%
18197                 }%
18198             }%
18199         }%
18200     }%
18201 }%
18202 }%
18203 }%
18204 }%
18205 }%
18206 }{%
18207     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18208 }%
18209 }{}%
18210 \@ifundefined{scr@tso@#1@numwidth}{%
18211     \@ifundefined{scr@#1@tocnumwidth}{%
18212         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18213             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18214                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18215                     \scr@ifundefinedorrelax{chapter}{%
18216                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18217                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18218                                 \ifstr{#1}{subsubsection}{%
18219                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
18220                                 }{%
18221                                     \ifstr{#1}{paragraph}{%
18222                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
18223                                     }{%
18224                                         \ifstr{#1}{subparagraph}{%
18225                                             \@namedef{scr@tso@#1@numwidth}{5m}%
18226                                         }{%
18227                                             }%
18228                                         }%

```



```

18229         }%
18230     }%
18231 }%
18232 }{%
18233 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18234 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18235 \ifstr{#1}{subsubsection}{%
18236 \@namedef{scr@tso@#1@numwidth}{3.1em}%
18237 }{%
18238 \ifstr{#1}{paragraph}{%
18239 \@namedef{scr@tso@#1@numwidth}{5em}%
18240 }{%
18241 \ifstr{#1}{subparagraph}{%
18242 \@namedef{scr@tso@#1@numwidth}{6em}%
18243 }{%
18244 }%
18245 }%
18246 }%
18247 }%
18248 }%
18249 }%
18250 }%
18251 }%
18252 }%
18253 }{%
18254 \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18255 }%
18256 }{}%
18257 }}{%
18258 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
18259 \ifnum \@nameuse{#1tocdepth}<\@ne
18260 \scr@ifundefinedorrelax{chapter}{%
18261 \addpenalty\@secpenalty
18262 \addvspace{1.0em \@plus\p@}%
18263 }{%
18264 \addpenalty{-\@highpenalty}%
18265 \vskip 1.0em \@plus\p@
18266 }%
18267 \else
18268 \addpenalty\@secpenalty
18269 \addvspace{1.0em \@plus\p@}%
18270 \fi
18271 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
18272 \begingroup
18273 \parindent \z@ \bidi@rightskip \@pnumwidth
18274 \parfillskip -\@pnumwidth
18275 \leavevmode
18276 \bfseries
18277 \advance\bidi@leftskip\@tempdima
18278 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%

```




```

18279 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
18280 ##1%
18281 \nobreak
18282 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18283 \par
18284 \penalty\@highpenalty
18285 \endgroup
18286 \fi
18287 }
18288
18289 \bidi@undef\scr@dte@def@l@largetocline
18290 \bidi@undef\scr@dte@largetocline@init
18291 \DeclareTOCEntryStyle{largetocline}[{%
18292 \DefineTOCEntryLengthOption{indent}%
18293 {scr@tso@}{\@indent}{entry indent}%
18294 \@ifundefined{#1tocdepth}{%
18295 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18296 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18297 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18298 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18299 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18300 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18301 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18302 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18303 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18304 \expandafter\let\csname #1tocdepth\expandafter\endcsname
18305 \csname #1numdepth\endcsname
18306 }%
18307 }%
18308 }%
18309 }%
18310 }%
18311 }%
18312 }%
18313 }%
18314 }%
18315 }{}%
18316 \@ifundefined{scr@tso@#1@indent}{%
18317 \@ifundefined{scr@#1@tocindent}{%
18318 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18319 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18320 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18321 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18322 \scr@ifundefinedorrelax{l@chapter}{%
18323 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18324 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18325 \ifstr{#1}{subsubsection}{%
18326 \@namedef{scr@tso@#1@indent}{3.8em}%
18327 }%
18328 \ifstr{#1}{paragraph}{%

```



```

18329             \@namedef{scr@tso@#1@indent}{7em}%
18330         }{%
18331             \ifstr{#1}{subparagraph}{%
18332                 \@namedef{scr@tso@#1@indent}{10em}%
18333             }{%
18334             }%
18335         }%
18336     }%
18337 }%
18338 }%
18339 }{%
18340     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18341     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18342         \ifstr{#1}{subsubsection}{%
18343             \@namedef{scr@tso@#1@indent}{7.0em}%
18344         }{%
18345             \ifstr{#1}{paragraph}{%
18346                 \@namedef{scr@tso@#1@indent}{10em}%
18347             }{%
18348                 \ifstr{#1}{subparagraph}{%
18349                     \@namedef{scr@tso@#1@indent}{12em}%
18350                 }{%
18351                 }%
18352             }%
18353         }%
18354     }%
18355 }%
18356 }%
18357 }%
18358 }%
18359 }%
18360 }%
18361 }{%
18362     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18363 }%
18364 }{}%
18365 }}{%
18366     \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \@ne \relax
18367     \ifnum \@nameuse{#1tocdepth} < \@ne
18368         \scr@ifundefinedorrelax{chapter}{%
18369             \addpenalty\@secpenalty
18370             \addvspace{2.25em \@plus\p@}%
18371         }{%
18372             \addpenalty{-\@highpenalty}%
18373             \addvspace{2.25em \@plus\p@}%
18374         }%
18375     \else
18376         \addpenalty\@secpenalty
18377         \addvspace{2.25em \@plus\p@}%
18378     \fi

```



```

18379 \setlength\@tempdima{3em}%
18380 \beginngroup
18381 \parindent \z@ \bidi@rightskip \@pnumwidth
18382 \parfillskip -\@pnumwidth
18383 \leavevmode
18384 \large
18385 \bfseries
18386 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
18387 ##1%
18388 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18389 \par
18390 \nobreak
18391 \ifnum 0=
18392 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
18393 \global\@nobreaktrue
18394 \everypar{\global\@nobreakfalse\everypar{}}%
18395 \fi
18396 \endgroup
18397 \fi
18398 }
18399
18400 \renewcommand*{\scr@dte@tocline}[3]{%
18401 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
18402 \else
18403 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
18404 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
18405 {%
18406 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
18407 \bidi@rightskip \@tocrmarg
18408 \parfillskip -\bidi@rightskip
18409 \@nameuse{Ifscr@tso@#1@raggedpage}{%
18410 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
18411 }{}%
18412 \parindent \@nameuse{scr@tso@#1@indent}\relax
18413 \@afterindenttrue
18414 \interlinepenalty\@M
18415 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
18416 \addtolength\bidi@rightskip\@flushglue
18417 \else
18418 \def\reserved@a{\raggedright}%
18419 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
18420 \addtolength\bidi@rightskip\@flushglue
18421 \else
18422 \renewcommand\reserved@a{\raggedright}%
18423 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
18424 \addtolength\bidi@rightskip\@flushglue
18425 \fi
18426 \fi
18427 \fi
18428 \leavevmode

```



```

18429 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
18430 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
18431 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
18432 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
18433 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
18434 \fi
18435 }%
18436 }{}%
18437 \advance\bidil@leftskip \@tempdima
18438 \null\nobreak\hskip -\bidil@leftskip
18439 {%
18440 \usetocbasicnumberline
18441 \let\scr@dte@numberline@box\numberline@box
18442 \def\numberline@box##1{%
18443 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
18444 \global\scr@dte@tocline@numberwidth
18445 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
18446 \ifdim \scr@dte@tocline@numberwidth
18447 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
18448 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
18449 \fi
18450 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
18451 \ifdim \scr@dte@tocline@numberwidth
18452 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
18453 +\@nameuse{scr@tso@#1@numsep}\relax
18454 \PackageWarning{tocbasic}%
18455 }{%
18456 number width of #1 toc entries should be
18457 increased!\MessageBreak
18458 Currently used number width =
18459 \the\wd\scr@dte@tocline@numbox,\MessageBreak
18460 Wanted number separation
18461 \space\space\space =
18462 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
18463 Reserved number width \space\space\space\space\space\space =
18464 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
18465 }%
18466 \fi
18467 }%
18468 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
18469 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
18470 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidil@leftskip
18471 }{}%
18472 }%
18473 \@nameuse{scr@tso@#1@entryformat}{%
18474 #2%
18475 \nobreak
18476 {%
18477 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
18478 \nobreak

```



```

18479         \@nameuse{scr@tso@#1@pagenumberbox}{%
18480             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
18481         }%
18482     }%
18483     \@par
18484 }%
18485 }%
18486 }%
18487 \tocbasic@SetPenaltyByTOCLevel{#1}%
18488 \fi
18489 }
18490
18491 \bidi@undef\scr@dte@def@l@tocline
18492 \bidi@undef\scr@dte@tocline@init
18493 \DeclareTOCEntryStyle{tocline}{[%
18494     \DefineTOCEntryLengthOption{beforeskip}%
18495     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
18496     \DefineTOCEntryIfOption{breakafternumber}%
18497     {scr@tso@}{@breakafternumber}{line break after number flag}%
18498     \DefineTOCEntryIfOption{dynnumwidth}%
18499     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
18500     \DefineTOCEntryCommandOption{entryformat}%
18501     {scr@tso@}{@entryformat}[1]{entry format}%
18502     \DefineTOCEntryCommandOption{entrynumberformat}%
18503     {scr@tso@}{@numberformat}[1]{entry number format}%
18504     \DefineTOCEntryCommandOption{linefill}[\TOCLLineLeaderFill]%
18505     {scr@tso@}{@linefill}{filling between text and page number}%
18506     \DefineTOCEntryLengthOption{numsep}%
18507     {scr@tso@}{@numsep}{entry number separation}%
18508     \DefineTOCEntryCommandOption{onstarthigherlevel}%
18509     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
18510     \DefineTOCEntryCommandOption{onstartlowerlevel}%
18511     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
18512     \DefineTOCEntryCommandOption{onstartsamelevel}%
18513     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
18514     \DefineTOCEntryCommandOption{pagenumberbox}%
18515     {scr@tso@}{@pagenumberbox}[1]{page number box}%
18516     \DefineTOCEntryCommandOption{pagenumberformat}%
18517     {scr@tso@}{@pagenumberformat}[1]{page number format}%
18518     \DefineTOCEntryOption{raggedentrytext}[true]{%
18519         \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
18520         \ifx\FamilyKeyState\FamilyKeyStateProcessed
18521             \if@tempswa
18522                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
18523                 \raggedright
18524             \else
18525                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
18526                 \relax
18527             \fi
18528         \fi

```



```

18529 }%
18530 \DefineTOCEntryIfOption{raggedpagenumber}%
18531   {scr@tso@}{@raggedpage}{page number ragged flag}%
18532 \DefineTOCEntryLengthOption{indent}%
18533   {scr@tso@}{@indent}{entry indent}%
18534 \DefineTOCEntryLengthOption{numwidth}%
18535   {scr@tso@}{@numwidth}{entry number width}%
18536 \scr@ifundefinedorrelax{#1tocdepth}{%
18537   \ifstrstart{#1}{sub}{%
18538     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%}{%
18539       \expandafter\edef\csname #1tocdepth\endcsname{%
18540         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
18541       }%
18542     }%
18543   }{}%
18544 }{}%
18545 \@ifundefined{#1tocdepth}{%
18546   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18547     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18548       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18549         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18550           \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18551             \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18552               \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18553                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{11}}{%
18554                   \ifstr{#1}{table}{\@namedef{#1tocdepth}{11}}{%
18555                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
18556                       \csname #1numdepth\endcsname
18557                   }%
18558                 }%
18559               }%
18560             }%
18561           }%
18562         }%
18563       }%
18564     }%
18565   }{}%
18566 }{}%
18567 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
18568   \@ifundefined{scr@#1@tocindent}{%
18569     \ifstrstart{#1}{sub}{%
18570       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%}{%
18571       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%}{%
18572         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18573           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18574         }%
18575       }%
18576     }%
18577   }{}%
18578   \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%

```



```

18579         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18580         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
18581         \relax
18582         }%
18583     }{%
18584         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18585         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
18586         +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18587         \relax
18588         }%
18589     }%
18590 }%
18591 }{}%
18592 }{%
18593     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18594 }%
18595 }{}%
18596 \@ifundefined{scr@tso@#1@indent}{%
18597     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18598     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18599     \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18600     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18601     \scr@ifundefinedorrelax{1}{chapter}{%
18602     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18603     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18604     \ifstr{#1}{subsubsection}{%
18605     \@namedef{scr@tso@#1@indent}{3.8em}%
18606     }{%
18607     \ifstr{#1}{paragraph}{%
18608     \@namedef{scr@tso@#1@indent}{7em}%
18609     }{%
18610     \ifstr{#1}{subparagraph}{%
18611     \@namedef{scr@tso@#1@indent}{10em}%
18612     }{%
18613     }%
18614     }%
18615     }%
18616     }%
18617     }%
18618     }{%
18619     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18620     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18621     \ifstr{#1}{subsubsection}{%
18622     \@namedef{scr@tso@#1@indent}{7.0em}%
18623     }{%
18624     \ifstr{#1}{paragraph}{%
18625     \@namedef{scr@tso@#1@indent}{10em}%
18626     }{%
18627     \ifstr{#1}{subparagraph}{%
18628     \@namedef{scr@tso@#1@indent}{12em}%

```



```

18629             }{%
18630             }%
18631         }%
18632     }%
18633 }%
18634 }%
18635 }%
18636 }%
18637 }%
18638 }%
18639 }%
18640 }{}%
18641 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
18642     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
18643         \ifstrstart{#1}{sub}{%
18644             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
18645                 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
18646                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18647                         +.9em%
18648                 }%
18649             }%
18650         }%
18651     }{}%
18652 }{%
18653     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18654 }%
18655 }{}%
18656 \@ifundefined{scr@tso@#1@numwidth}{%
18657     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18658     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18659     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18660     \scr@ifundefinedorrelax{chapter}{%
18661     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18662     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18663     \ifstr{#1}{subsubsection}{%
18664         \@namedef{scr@tso@#1@numwidth}{3.2em}%
18665     }{%
18666         \ifstr{#1}{paragraph}{%
18667             \@namedef{scr@tso@#1@numwidth}{4.1em}%
18668         }{%
18669             \ifstr{#1}{subparagraph}{%
18670                 \@namedef{scr@tso@#1@numwidth}{5m}%
18671             }{%
18672                 }%
18673             }%
18674         }%
18675     }%
18676 }%
18677 }{%
18678     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%

```




```

18679         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18680             \ifstr{#1}{subsubsection}{%
18681                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
18682             }{%
18683                 \ifstr{#1}{paragraph}{%
18684                     \@namedef{scr@tso@#1@numwidth}{5em}%
18685                 }{%
18686                     \ifstr{#1}{subparagraph}{%
18687                         \@namedef{scr@tso@#1@numwidth}{6em}%
18688                     }{%
18689                         }%
18690                     }%
18691                 }%
18692             }%
18693         }%
18694     }%
18695 }%
18696 }%
18697 }%
18698 }{}%
18699 \expandafter\renewcommand%
18700 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
18701 \expandafter\renewcommand%
18702 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
18703 \expandafter\renewcommand%
18704 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
18705 \@ifundefined{scr@tso@#1@beforeskip}{%
18706     \ifstr{#1}{part}{%
18707         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@ \relax}%
18708     }{%
18709         \ifstr{#1}{chapter}{%
18710             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@ \relax}%
18711         }{%
18712             \ifstr{#1}{section}{%
18713                 \scr@ifundefinedorrelax{1@chapter}{%
18714                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@ \relax}%
18715                 }{}%
18716             }{}%
18717         }%
18718     }%
18719     \expandafter\renewcommand\expandafter*%
18720     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@ \relax}%
18721 }{}%
18722 \@ifundefined{scr@dte@#1@maxnumwidth}{%
18723     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
18724     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
18725 }{}%
18726 \renewcommand*{\scr@dte@donumwidth}{}%
18727 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
18728 \expandafter\renewcommand\expandafter*%

```



```

18729 \csname scr@tso@#1@numsep\endcsname{.4em}%
18730 \expandafter\renewcommand%
18731 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
18732 \ifstr{#1}{part}{%
18733   \expandafter\renewcommand%
18734   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
18735 }{%
18736   \ifstr{#1}{chapter}{%
18737     \expandafter\renewcommand%
18738     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
18739   }{%
18740     \scr@ifundefinedorrelax{1@chapter}{%
18741       \ifstr{#1}{section}{%
18742         \expandafter\renewcommand%
18743         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
18744       }{%
18745       }{%
18746       \expandafter\renewcommand%
18747       \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
18748     }%
18749   }%
18750 \expandafter\renewcommand
18751 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
18752 \@ifundefined{scr@tso@#1@linefill}{%
18753   \ifstr{#1}{part}{%
18754     \@namedef{scr@tso@#1@linefill}{\hfill}%
18755   }{%
18756     \ifstr{#1}{chapter}{%
18757       \@namedef{scr@tso@#1@linefill}{\hfill}%
18758     }{%
18759       \scr@ifundefinedorrelax{1@chapter}{%
18760         \ifstr{#1}{section}{%
18761           \@namedef{scr@tso@#1@linefill}{\hfill}%
18762         }{}
18763       }{}
18764       \expandafter\renewcommand%
18765       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18766     }%
18767   }%
18768 }{}%
18769 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
18770 \ifstr{#1}{part}{%
18771   \expandafter\renewcommand%
18772   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
18773 }{%
18774   \expandafter\renewcommand%
18775   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18776     {\normalfont\normalcolor ##1}}%
18777 }%
18778 \expandafter\renewcommand%

```



```

18779 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
18780 \hb@xt@{\pnumwidth{\hfil ##1}}{%
18781 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
18782 }]{%
18783 \scr@dte@tocline{#1}{##1}{##2}%
18784 }
18785

```

7.118 tocstyle-xetex-bidi.def

```

18786 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
18787 \renewcommand*{\tocstyle@dottedtocline}[5]{%
18788 \let\numberline\tocstyle@numberline
18789 \ifnum #1>\c@tocdepth \else
18790 \if@tocstyle@penalties
18791 \begingroup
18792 \@tempcnta 20010
18793 \advance \@tempcnta by -#1
18794 \ifnum \@tempcnta>\lastpenalty
18795 \aftergroup\penalty\aftergroup\@lowpenalty
18796 \fi
18797 \endgroup
18798 \fi
18799 \edef\tocstyle@depth{#1}%
18800 \tocstyle@activate@features
18801 \ifx\tocstyle@feature@entryvskip\relax
18802 \vskip \z@ \@plus.2\p@
18803 \else
18804 \addvspace{\tocstyle@feature@entryvskip}%
18805 \fi
18806 {%
18807 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
18808 \tocstyle@feature@raggedhook
18809 \@tempdima #3\relax
18810 \@tempdimb #2\relax
18811 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18812 \ifnum #1>\z@\relax
18813 \@tempcnta #1\relax \advance\@tempcnta \m@ne
18814 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18815 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18816 \@tempdimb
18817 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18818 \advance\@tempdimb
18819 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18820 \fi
18821 \fi
18822 \fi
18823 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18824 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
18825 \ifdim \@tempdimb>

```



```

18826         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
18827         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
18828             @#1\endcsname{\the\@tempdimb}%
18829     \fi
18830 \else
18831     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
18832         @#1\endcsname{\the\@tempdimb}%
18833 \fi
18834 \iftocstyle@autolength
18835     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
18836     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
18837         \relax
18838     \fi
18839     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
18840     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
18841         \relax
18842     \fi
18843     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18844     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18845 \else
18846     \@tempdimb #2\relax
18847     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18848 \fi
18849 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
18850     \ifdim \@tempdima>
18851         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
18852         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
18853             @\endcsname{\the\@tempdima}%
18854     \fi
18855 \else
18856     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
18857         @\endcsname{\the\@tempdima}%
18858 \fi
18859 \ifcase\tocstyle@indentstyle\relax\else
18860     \@tempdimb \z@
18861     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18862     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18863         \relax
18864     \fi
18865     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18866     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18867 \fi
18868 \advance\parindent \@tempdimb\@afterindenttrue
18869 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
18870 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18871 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18872 \ifx\tocstyle@feature@parfillskip\relax\else
18873     \advance\parfillskip \tocstyle@feature@parfillskip\relax
18874 \fi
18875 \interlinepenalty\@M

```



```

18876 \leavevmode
18877 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
18878 \null\nobreak
18879 \iftocstyle@indentnotnumbered\else
18880 \hskip -\if@RTL\rightskip\else\leftskip\fi
18881 \fi
18882 \tocstyle@feature@entryhook
18883 {#4}\nobreak
18884 \ifx\tocstyle@feature@leaders\relax
18885 \leaders\hbox{$\m@th
18886 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
18887 \mkern \@dotsep mu$}\hfill
18888 \else
18889 \tocstyle@feature@leaders
18890 \fi
18891 \nobreak
18892 \ifx\tocstyle@feature@pagenumberbox\relax
18893 \hbxt@{\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}}%
18894 \else
18895 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
18896 \fi
18897 \par
18898 }%
18899 \if@tocstyle@penalties
18900 \bgroup
18901 \@tempcnta 20009
18902 \advance\@tempcnta by -#1
18903 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
18904 \reserved@a
18905 \fi
18906 \fi}
18907 \renewcommand*{\tocstyle@numberline}[1]{%
18908 \begingroup
18909 \ifx\tocstyle@feature@spaceafternumber\relax
18910 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
18911 \else
18912 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
18913 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
18914 \fi
18915 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
18916 \ifdim \@tempdima >
18917 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
18918 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
18919 @\tocstyledepth\endcsname{\the\@tempdima}%
18920 \fi
18921 \else
18922 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
18923 @\tocstyledepth\endcsname{\the\@tempdima}%
18924 \fi
18925 \endgroup

```



```

18926 \iftocstyle@indentnotnumbered
18927 \hskip -\if@RTL\rightskip\else\leftskip\fi
18928 \fi
18929 \ifcase \tocstyle@indentstyle
18930 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
18931 \or
18932 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
18933 \else
18934 \ifx\tocstyle@feature@spaceafternumber\relax
18935 \hbox{\tocstyle@@numberline{#1}\enskip}%
18936 \else
18937 \hbox{\tocstyle@@numberline{#1}\hskip
18938 \tocstyle@feature@spaceafternumber\relax}%
18939 \fi
18940 \fi
18941 }
18942 \AtBeginDocument{%
18943 \ifcsname l@part\endcsname
18944 \ifcsname l@chapter\endcsname
18945 \setbox\@tempboxa\vbox{\hsize\maxdimen
18946 \l@part{\tocstyle@l@define{part}{-1}}{}}%
18947 \else
18948 \setbox\@tempboxa\vbox{\hsize\maxdimen
18949 \l@part{\tocstyle@l@define{part}{0}}{}}%
18950 \fi
18951 \fi
18952 \ifcsname l@chapter\endcsname
18953 \setbox\@tempboxa\vbox{\hsize\maxdimen
18954 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
18955 \fi
18956 \ifcsname l@section\endcsname
18957 \setbox\@tempboxa\vbox{\hsize\maxdimen
18958 \l@section{\tocstyle@l@define{section}{1}}{}}%
18959 \fi
18960 \ifcsname l@subsection\endcsname
18961 \setbox\@tempboxa\vbox{\hsize\maxdimen
18962 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
18963 \fi
18964 \ifcsname l@subsubsection\endcsname
18965 \setbox\@tempboxa\vbox{\hsize\maxdimen
18966 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
18967 \fi
18968 \ifcsname l@paragraph\endcsname
18969 \setbox\@tempboxa\vbox{\hsize\maxdimen
18970 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
18971 \fi
18972 \ifcsname l@subparagraph\endcsname
18973 \setbox\@tempboxa\vbox{\hsize\maxdimen
18974 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
18975 \fi

```



```

18976 \ifcsname l@table\endcsname
18977   \setbox\@tempboxa\vbox{\hsize\maxdimen
18978     \l@table{\tocstyle@l@define{table}{1}}{}}%
18979 \fi
18980 \ifcsname l@figure\endcsname
18981   \setbox\@tempboxa\vbox{\hsize\maxdimen
18982     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
18983 \fi
18984 \def\@tempa#1#2#3#4#5{%
18985   \ifnum #1>\c@tocdepth \else
18986     \vskip \z@ \@plus.2\p@
18987     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18988       \parindent #2\relax\@afterindenttrue
18989       \interlinepenalty\@M
18990       \leavevmode
18991       \@tempdima #3\relax
18992       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
18993         {#4}\nobreak
18994       \leaders\hbox{$\m@th
18995         \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
18996         mu$}\hfill
18997       \nobreak
18998       \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
18999       \par}%
19000 \fi}%
19001 \ifx\@dottedtocline\@tempa\else
19002   \tocstyle@macrochangewarning\@dottedtocline
19003 \fi
19004 \let\tocstyle@saved@dottedtocline\@dottedtocline
19005 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
19006 \ifx\numberline\@tempa\else
19007   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
19008 \ifx\numberline\@tempa\else
19009   \tocstyle@macrochangewarning\numberline
19010 \fi
19011 \fi
19012 \let\tocstyle@saved@numberline\numberline
19013 }
19014 \renewcommand*{\tocstyle@l@define}[2]{%
19015   \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
19016   \edef\@tempa{%
19017     \noexpand\global\noexpand\let
19018     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19019     \expandafter\noexpand\csname l@#1\endcsname
19020     \noexpand\gdef
19021     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19022       \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
19023     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
19024       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19025       \expandafter\noexpand\csname tocstyle@l@#1\endcsname

```



```

19026 }%
19027 }%
19028 \PackageInfo{tocstyle}{prepare \expandafter\string
19029 \csname l@#1\endcsname\space for redefinition}%
19030 \@tempa
19031 }

```

7.119 todonotes-xetex-bidi.def

```

19032 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
19033 \newif\if@bidi@todonotes@textdirection@RTL
19034 \newif\if@bidi@todonotes@figposition@right
19035 \newcommand{\@bidi@todonotes@align}{}%
19036 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
19037 \newcommand{\@bidi@todonotes@textdirection}{}%
19038 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right, left}
19039 \ifcase\@bidi@todonotes@tempb\relax
19040 \@bidi@todonotes@textdirection@RTLtrue
19041 \let\@bidi@todonotes@textdirection\RL
19042 \or
19043 \@bidi@todonotes@textdirection@RTLfalse
19044 \let\@bidi@todonotes@textdirection\LR
19045 \fi}
19046 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right, left}
19047 \ifcase\@bidi@todonotes@tempb\relax
19048 \@bidi@todonotes@figposition@righttrue
19049 \or
19050 \@bidi@todonotes@figposition@rightfalse
19051 \fi}
19052 \if@todonotes@disabled%
19053 \else % \if@todonotes@disabled
19054 \renewcommand{\@todonotes@drawInlineNote}{%
19055 \if@todonotes@dviStyle%
19056 {\par\noindent\begin{tikzpicture}[remember picture]%
19057 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19058 \if@todonotes@authorgiven%
19059 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19060 \else%
19061 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19062 \fi
19063 {\par\noindent\begin{tikzpicture}[remember picture]%
19064 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19065 \else%
19066 {\par\noindent\begin{tikzpicture}[remember picture]%
19067 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19068 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{%
19069 \if@todonotes@authorgiven%
19070 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19071 \else%
19072 {\noindent \@todonotes@sizecommand \@todonotes@text}%

```




```

19073             \fi};%
19074         \end{tikzpicture}\par}%
19075     \fi}%
19076 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
19077 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
19078     \node [coordinate] (inText) {};%
19079 \end{tikzpicture}%
19080 \marginpar[ {% Draw note in left margin
19081     \@todonotes@drawMarginNote%
19082     \ifRTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
19083 }]{% Draw note in right margin
19084     \@todonotes@drawMarginNote%
19085     \ifRTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
19086 }%
19087 }%
19088 \renewcommand{\@todonotes@drawMarginNote}{%
19089 \if@todonotes@dviStyle%
19090     \begin{tikzpicture}[remember picture]%
19091         \draw node[notestyle] {};%
19092     \end{tikzpicture}\\%
19093     \begin{minipage}{\@todonotes@textwidth}%
19094         \if@todonotes@authorgiven%
19095             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
19096         \else%
19097             \@todonotes@sizecommand \@todonotes@text%
19098         \fi%
19099     \end{minipage}\\%
19100     \begin{tikzpicture}[remember picture]%
19101         \draw node[notestyle] (inNote) {};%
19102     \end{tikzpicture}%
19103 \else%
19104     \let\originalHbadness\hbadness%
19105     \hbadness 100000%
19106     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
19107         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19108         \node(X){\vphantom{X}};%
19109         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@al
19110             {\@todonotes@text};%
19111         \if@todonotes@authorgiven%
19112             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19113                 {\@todonotes@sizecommand\@todonotes@author};%
19114             \node(Y)[below=of X]{};%
19115             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19116                 {\@todonotes@text};%
19117         \else%
19118             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19119                 {\@todonotes@text};%
19120         \fi%
19121     \end{tikzpicture}%
19122     \hbadness \originalHbadness%

```



```

19123 \fi}%
19124 \renewcommand{\missingfigure}[2][]{%
19125   \setkeys{todonotes}{#1}%
19126   \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
19127   \par
19128   \noindent
19129   \begin{tikzpicture}
19130     \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
19131       (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
19132     \if@bidi@todonotes@figposition@right%
19133       \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19134         \fi%
19135         \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
19136           (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
19137         \if@bidi@todonotes@figposition@right%
19138           \end{scope}
19139         \begin{scope}[xshift=-3.8cm]
19140           \fi%
19141           \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19142           \draw (2, -0.3) node[right, text
19143             width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
19144           \if@bidi@todonotes@figposition@right%
19145             \end{scope}
19146           \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19147             \fi%
19148             \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19149             \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19150             \if@bidi@todonotes@figposition@right%
19151             \end{scope}
19152             \fi%
19153           \end{tikzpicture}\hfill
19154   }% Ending \missingfigure command
19155 \fi % Ending \@todonotes@ifdisabled
19156 \presetkeys%
19157   {todonotes}%
19158   {align=left,%
19159   textdirection=lefttoright,%
19160   figposition=left}{}%

```

7.120 wrapfig-xetex-bidi.def

```

19161 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
19162 \let\WF@everypar\bidi@n@everypar
19163 \def\WF@putfigmaybe{%
19164   \ifinner
19165     \vskip-\parskip \global\WF@floatfalse
19166     \let\pagetotal\maxdimen % kludge flag for "not top of page"
19167   \else % outer page
19168     \@tempdima\pagedepth % save page depth
19169     {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up

```



```

19170 \penalty\interlinepenalty % update pg. parameters
19171 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
19172 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
19173   \global\WF@floatfalse
19174   \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
19175 \else
19176   \ifdim\WF@size>\@tempdimb
19177     \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
19178     \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
19179     \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
19180     \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
19181     \advance\dimen@.5\baselineskip
19182     \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
19183       \global\WF@floatfalse \pagebreak
19184     \fi
19185   \else % \WF@info{Fits in \the\@tempdimb;}%
19186     \global\WF@floatfalse
19187   \fi\fi
19188   \vskip\@tempdima\relax % (return erased page depth)
19189 \fi
19190 \noindent
19191 \ifWF@float
19192   \WF@fltmes
19193 \else % putting here;
19194   \WF@info{Put \WF@wfname here:}%
19195   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
19196     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
19197     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
19198   \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
19199     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
19200     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
19201     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
19202     \xdef\WF@adjlw{\the\@tempdima}%
19203     \ifnum `l=\WF@place % fig on left
19204       \if@RTL%
19205         \kern\@tempdimb \kern\columnsep
19206         \def\@tempa{\hss}% position to left of the gap
19207       \else%
19208         \hss % figure overlaps space to the left
19209         \def\@tempa{\kern\columnsep}% position to left of the gap
19210       \fi%
19211     \else % fig on right
19212       \if@RTL%
19213         \hss
19214         \@tempdima\z@
19215         \def\@tempa{\kern\columnsep}
19216       \else%
19217         \@tempdima\z@ % no left indentation
19218         \kern\@tempdimb \kern\columnsep
19219         \def\@tempa{\hss}% figure overlaps space to the right

```



```

19220 \fi%
19221 \fi
19222 \ifdim\@tempdimb<\hsize
19223 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
19224 \xdef\WF@adjtlm{\the\@tempdima}%
19225 \else
19226 \xdef\WF@wrapil{\z@ \the\hsize}%
19227 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
19228 \fi
19229 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
19230 \global\advance\WF@size-\intextsep
19231 \else % \WF@info{Putting \WF@wfname in middle of page}%
19232 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
19233 \fi \dp\WF@box\z@ \box\WF@box \@tempa
19234 }% end \hbox to Opt
19235 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
19236 \fi}

```

7.121 xcolor-xetex-bidi.def

```

19237 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
19238 \long\def\color@b@x#1#2#3%
19239 {\leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
19240 \setbox\z@\hbox{\kern\fboxsep{\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fboxsep}%
19241 \dimen@ht\z@\advance\dimen@\fboxsepht\z@\dimen@
19242 \dimen@dp\z@\advance\dimen@\fboxsepdp\z@\dimen@
19243 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\ifRTL\endL\fi\fi}
19244 \def\normalcolor{\let\current@color\default@color\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi}
19245 \DeclareRobustCommand\color
19246 {\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]
19247 \def\@undeclaredcolor[#1]#2%
19248 {\begingroup
19249 \let\@cls\@empty
19250 \XC@getmodclr12{#1}{#2}{}%
19251 {\ifblendcolors
19252 \ifx\colorblend\@empty\else
19253 \edef\@cmix{\expandafter\@gobble\colorblend}\@tempswafalse
19254 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
19255 \fi
19256 \fi
19257 \ifconvertcolorsU
19258 \edef\@tmp{\XC@tgt@mod{\@mod}}%
19259 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19260 \fi
19261 \ifmaskcolors
19262 \convertcolorspec\@mod\@clr\XC@mmod\@clr
19263 \let\@mod\XC@mmod
19264 \XC@inflate\@mod\XC@mlr\@clr\@tmp
19265 \expandafter\XC@mul\@tmp,\@clr
19266 \fi

```



```

19267 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
19268 \expandafter\endgroup\@tmp}}
19269 \def\@declaredcolor#1%
19270 {\XC@edef\XC@tmp{#1}\XC@tstfalse
19271 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
19272 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
19273 \ifconvertcolorsU\XC@tsttrue\fi
19274 \fi
19275 \ifXC@tst
19276 \expandafter\XC@declaredcolor\else
19277 \expandafter\XC@declaredcolor\fi}
19278 \def\XC@undeclaredcolor#1#2%
19279 {\@ifundefinedmodel{#1}%
19280 {\color@error{model `#1'}}%
19281 {\@nameuse{color@#1}\currentcolor{#2}%
19282 \edef\XC@currentcolor{\noexpand\xcolor@}{\currentcolor}{#1}{#2}}%
19283 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19284 \def\XC@declaredcolor
19285 {\XC@let\NC\XC@currentcolor{\string\color@\XC@tmp}%
19286 \edef\currentcolor{\XC@currentcolor}%
19287 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19288 \DeclareRobustCommand\bidicolor
19289 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
19290 \def\@bidiundeclaredcolor[#1]#2%
19291 {\begingroup
19292 \let\@cls\@empty
19293 \XC@getmodclr12{#1}{#2}{}%
19294 {\ifblendcolors
19295 \ifx\colorblend\@empty\else
19296 \edef\@mix{\expandafter@gobble\colorblend}\@tempswafalse
19297 \XC@coremodel\@mod\@clr\xcolor@}{\@mod\@clr
19298 \fi
19299 \fi
19300 \ifconvertcolorsU
19301 \edef\@tmp{\XC@tgtmod{\@mod}}%
19302 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19303 \fi
19304 \ifmaskcolors
19305 \convertcolorspec\@mod\@clr\XC@mmod\@clr
19306 \let\@mod\XC@mmod
19307 \XC@inflate\@mod\XC@mclr\@clr\@tmp
19308 \expandafter\XC@mul\@tmp,\@clr
19309 \fi
19310 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
19311 \expandafter\endgroup\@tmp}}
19312 \def\XC@bidiundeclaredcolor#1#2%
19313 {\@ifundefinedmodel{#1}%
19314 {\color@error{model `#1'}}%
19315 {\@nameuse{color@#1}\currentcolor{#2}%
19316 \edef\XC@currentcolor{\noexpand\xcolor@}{\currentcolor}{#1}{#2}}%

```



```

19317 \XC@display}}
19318 \def\@bidideclaredcolor#1%
19319 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
19320 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
19321 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
19322 \ifconvertcolorsU\XC@@tsttrue\fi
19323 \fi
19324 \ifXC@@tst
19325 \expandafter\XC@bidideclaredcolor\else
19326 \expandafter\XC@bidideclaredc@lor\fi}
19327 \def\XC@bidideclaredcolor
19328 {\XC@split\XC@@tmp
19329 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}}%
19330 \expandafter\endgroup\@tmp}
19331 \def\XC@bidideclaredc@lor
19332 {\XC@let\Nc\XC@current@color{\string\color\XC@@tmp}%
19333 \edef\current@color{\XC@current@color}%
19334 \XC@display}
19335 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
19336 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
19337 \def\color@fb@x#1#2#3#4%
19338 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
19339 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
19340 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.122 latex-xetex-bidi.def

```

19341 \ProvidesFile{latex-xetex-bidi.def}[2016/09/11 v1.2.8 bidi adaptations for 'latex.ltx' for XeTeX]
19342 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
19343 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
19344 \TeXXeTOn
19345 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
19346 \let\bidi@o@everypar=everypar
19347 \newtoks\bidi@n@everypar
19348 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
19349 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
19350 \let\everypar=\bidi@n@everypar
19351 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
19352 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
19353 \protected\def\hboxR{\hbox\bgroup
19354 \everyhbox{%
19355 \aftergroup\egroup
19356 \everyhbox{}}%
19357 \beginR
19358 \bgroup
19359 \aftergroup\endR
19360 \aftergroup\egroup
19361 }\hbox}
19362 \protected\def\hboxL{\hbox\bgroup
19363 \everyhbox{%

```



```

19364 \aftergroup\egroup
19365 \everyhbox{}%
19366 \beginL
19367 \bgroup
19368 \aftergroup\endL
19369 \aftergroup\egroup
19370 }\hbox}
19371 \protected\def\vboxR{\vbox\bgroup
19372 \everyvbox{%
19373 \aftergroup\egroup
19374 \everyvbox{}%
19375 \@RTLtrue
19376 \bgroup
19377 \aftergroup\egroup
19378 }\vbox}
19379 \protected\def\vboxL{\vbox\bgroup
19380 \everyvbox{%
19381 \aftergroup\egroup
19382 \everyvbox{}%
19383 \@RTLfalse
19384 \bgroup
19385 \aftergroup\egroup
19386 }\vbox}
19387 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
19388 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
19389 \def\LTR{\par@RTLfalse@RTL@footnotefalse\hsize\linewidth\parshape\z@}
19390 \def\endLTR{\par}
19391 \def\RTL{\par@RTLtrue@RTL@footnotetrue\hsize\linewidth\parshape\z@}
19392 \def\endRTL{\par}
19393 \def\setRTL{\@RTLtrue@RTL@footnotetrue}
19394 \def\setLTR{\@RTLfalse@RTL@footnotefalse}
19395 \let\unsetRTL=\setLTR
19396 \let\unsetLTR=\setRTL
19397 \let\LR=\LRE
19398 \let\RL=\RLE
19399 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
19400 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
19401 \let\@ensure@RL=\@ensure@RTL
19402 \let\@ensure@LR=\@ensure@LTR
19403 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
19404 \let\@ensure@maindir=\@ensure@dir
19405 \def\@RTL{RTL}
19406 \def\@LTR{LTR}
19407 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
19408 \def\reset@dir{\ifx\saved@dir@RTL\setRTL\else\ifx\saved@dir@LTR\setLTR\else\relax\fi\fi}
19409 \let\@TeX\TeX
19410 \def\TeX{\@ensure@LTR{\@TeX}}
19411 \let\@LaTeX\LaTeX
19412 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
19413 \let\@LaTeXe\LaTeXe

```



```

19414 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
19415 \long\def\bidireflect@box#1{%
19416   \leavevmode
19417   \setbox\z@\hbox{\{#1\}}%
19418   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
19419   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
19420 }
19421 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
19422   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
19423 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
19424   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
19425 \let\setRL=\setRTL
19426 \let\setLR=\setLTR
19427 \let\unsetRL=\setLTR
19428 \def\biditabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
19429 \ifpackageloaded{array}{%
19430 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
19431   \leavevmode
19432   \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
19433   \let\dollarend\endgroup
19434   \@tabarray}
19435 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}
19436 }{%
19437 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
19438   \leavevmode \hbox \bgroup
19439   $\left.\let\@acol\@tabacol
19440   \let\@classz\@tabclassz
19441   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
19442
19443 \def\endbidi@tabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
19444   \egroup\right\rbrace $\egroup
19445   \@RTLtabfalse}
19446 }
19447 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
19448   \ialign{##\hfil$\&\quad{##}\hfil\crcr#1\crcr}}\,,\right\}}
19449 \renewenvironment{RTLcases}{%
19450   \bidi@matrix@check\RTLcases\env@RTLcases
19451 }{%
19452   \endbidi@tabular@RTLcases%
19453 }
19454 \def\env@RTLcases{%
19455   \let\@ifnextchar\bidi@new@ifnextchar
19456   \def\arraystretch{1.2}%
19457   \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
19458 }
19459 \def\SepMark#1{\gdef\@SepMark{#1}}
19460 \SepMark{.}
19461 \def\@thmcountersep{\@SepMark}
19462 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
19463 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}

```




```

19464 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
19465 \def\list#1#2{%
19466   \ifnum \@listdepth >5\relax
19467     \@toodeep
19468   \else
19469     \global\advance\@listdepth\@ne
19470   \fi
19471   \rightmargin\z@
19472   \listparindent\z@
19473   \itemindent\z@
19474   \csname @list\romannumeral\the\@listdepth\endcsname
19475   \def\itemlabel{#1}%
19476   \let\makelabel\@mklab
19477   \@nmbrlistfalse
19478   #2\relax
19479   \@trivlist
19480   \parskip\parsep
19481   \parindent\listparindent
19482   \advance\linewidth -\rightmargin
19483   \advance\linewidth -\leftmargin
19484   \if@bidi@list@minipage@parbox
19485     \if@RTL
19486       \advance\@totalleftmargin \leftmargin
19487     \else
19488       \advance\@totalleftmargin \rightmargin
19489     \fi
19490     \else
19491       \if@RTLtab
19492       \if@bidi@list@minipage@parbox@not@nob
19493       \if@RTL
19494         \advance\@totalleftmargin \rightmargin
19495       \else
19496         \advance\@totalleftmargin \leftmargin
19497       \fi
19498       \else
19499       \if@RTL
19500         \advance\@totalleftmargin \leftmargin
19501       \else
19502         \advance\@totalleftmargin \rightmargin
19503       \fi\fi
19504       \else
19505       \if@RTL
19506         \advance\@totalleftmargin \rightmargin
19507       \else
19508         \advance\@totalleftmargin \leftmargin
19509       \fi\fi\fi
19510       \parshape \@ne \@totalleftmargin \linewidth
19511       \ignorespaces}
19512 \long\def\@iiiiparbox#1#2[#3]#4#5{%
19513   \leavevmode

```



```

19514 \pboxswfalse
19515 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
19516 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
19517 \setlength\@tempdima{#4}%
19518 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
19519 \ifx\relax#2\else
19520 \setlength\@tempdimb{#2}%
19521 \edef\@parboxto{to\the\@tempdimb}%
19522 \fi
19523 \if#1b\vbox
19524 \else\if #1t\top
19525 \else\ifmode\vcenter
19526 \else\@pboxswtrue $\vcenter
19527 \fi\fi\fi
19528 \@parboxto{\let\hss\vss\let\unhbox\unvbox
19529 \csname bm@#3\endcsname}%
19530 \if@pboxsw \m@th$\fi
19531 \@end@tempboxa}
19532 \def\bidi@lrbox#1{%
19533 \edef\reserved@a{%
19534 \endgroup
19535 \setbox#1\hbox{%
19536 \begingroup\aftergroup}%
19537 \def\noexpand\@currentvir{\@currentvir}%
19538 \def\noexpand\@currentvline{\on@line}}%
19539 \reserved@a
19540 \@endpefalse
19541 \color@begingroup
19542 \ignorespaces}
19543 \def\endbidi@lrbox{\unskip\color@endgroup}
19544 \newenvironment{LTRitems}
19545 {\par\@RTLfalse
19546 \if@bidi@list@minipage@parbox
19547 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
19548 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
19549 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
19550 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
19551 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
19552 \ignorespaces}{\vskip\z@}
19553 \newenvironment{RTLitems}
19554 {\par\@RTLtrue
19555 \if@bidi@list@minipage@parbox
19556 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
19557 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
19558 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
19559 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
19560 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
19561 \ignorespaces}{\vskip\z@}
19562 \newenvironment{LTRbibitems}
19563 {\par\@RTLfalse

```



```

19564         \if@bidi@list@minipage@parbox
19565         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
19566         \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
19567         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
19568         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
19569         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
19570         \ignorespaces}{\vskip\z@}
19571 \newenvironment{RTLbibitems}
19572     {\par\@RTLtrue
19573     \if@bidi@list@minipage@parbox
19574     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
19575     \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
19576     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
19577     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
19578     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
19579     \ignorespaces}{\vskip\z@}
19580 \def\raggedright{%
19581     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
19582     \leftskip\z@skip
19583     \parindent\z@\parfillskip\z@skip}
19584 \let\bidi@orig@raggedleft\raggedleft
19585 \let\bidi@orig@raggedright\raggedright
19586 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@RTLtab\b
19587 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@RTLtab\b
19588 \newcommand\bidi@raggedright{\if@RTL\raggedleft\else\raggedright\fi}
19589 \newcommand\bidi@raggedleft{\if@RTL\raggedright\else\raggedleft\fi}
19590 \def\centerline#1{%
19591 \if@RTL\@@line{\hss\beginR#1\endR\hss}
19592 \else\@@line{\hss#1\hss}\fi}
19593 \def\leftline#1{%
19594 \if@RTL\@@line{\beginR#1\endR\hss}
19595 \else\@@line{#1\hss}\fi}
19596 \def\rightline#1{%
19597 \if@RTL\@@line{\hss\beginR#1\endR}
19598 \else\@@line{\hss#1}\fi}
19599 \let\bidi@orig@leftline\leftline
19600 \let\bidi@orig@rightline\rightline
19601 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
19602 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
19603 \def\bidirlap#1{\hb@xt@{\z@}{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
19604 \def\bidillap#1{\hb@xt@{\z@}{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
19605 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
19606     \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
19607 \def\narrower{%
19608     \advance\if@RTL\rightskip\else\leftskip\fi\parindent
19609     \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
19610 \def\underline#1{%
19611     \relax
19612     \ifmmode\@underline{#1}%
19613     \else

```



```

19614 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
19615 \else
19616 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
19617 \if@compatibility
19618 \let\undertext=\underline
19619 \fi
19620 \global\@RTLtabfalse
19621 \def\@tabular{\if@RTL\@RTLtabtrue\fi
19622 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
19623 $\let\@acol\@tabacol
19624 \let\@classz\@tabclassz
19625 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
19626 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
19627 \egroup $\if@RTLtab\endR\fi\egroup
19628 \@RTLtabfalse}
19629 \expandafter \let \csname endtabular*\endcsname = \endtabular
19630 \def\@array[#1]#2{%
19631 \if #1t\top \else \if#1b\bottom \else \vcenter \fi\fi
19632 \bgroup
19633 \setbox\@arstrutbox\hbox{%
19634 \vrule \@height\arraystretch\ht\strutbox
19635 \@depth\arraystretch \dp\strutbox
19636 \@width\z@}%
19637 \mkpream{#2}%
19638 \edef\@preamble{%
19639 \ialign \noexpand\@halignto
19640 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
19641 \let\startpbox\@startpbox \let\endpbox\@endpbox
19642 \let\tabularnewline\\%
19643 \let\par\@empty
19644 \let\@sharp##%
19645 \set@typeset@protect
19646 \lineskip\z@skip\baselineskip\z@skip
19647 \ifhmode \@preamerr\z@ \@@par\fi
19648 \if@RTLtab\hbox\bgroup\beginR\if #1t\top \else \bottom \fi\bgroup\fi
19649 \@preamble}
19650 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
19651 \let\@classiv\@arrayclassiv
19652 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
19653 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
19654 \ifnum \@lastchclass=3 5 \else
19655 \z@ \if #1c\@chnum \z@ \else
19656 \if \if@RTLtab#1r\else#1l\fi\@chnum \one \else
19657 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
19658 \@chclass \if #1|\@one \else
19659 \if #1|\tw@ \else
19660 \if #1p3 \else \z@ \@preamerr 0\fi
19661 \fi \fi \fi \fi \fi \fi
19662 \fi}
19663 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}

```



```

19664 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
19665 \def\bm@t{\unhbox\@tempboxa\hss}
19666 \def\bm@b{\hss\unhbox\@tempboxa}
19667 \def\@dottedtocline#1#2#3#4#5{%
19668   \ifnum #1>\c@tocdepth \else
19669     \vskip \z@ \@plus.2\p@
19670     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
19671     \parindent #2\relax\@afterindenttrue
19672     \interlinepenalty\@M
19673     \leavevmode
19674     \@tempdima #3\relax
19675     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\
19676     {#4}\nobreak
19677     \leaders\hbox{$\m@th
19678       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19679       mu$}\hfill
19680     \nobreak
19681     \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}%
19682     \par}%
19683 \fi}
19684
19685
19686 \def\RTL@outputdblcol{%
19687   \if@firstcolumn
19688     \global\@firstcolumnfalse
19689     \global\setbox\@leftcolumn\copy\@outputbox
19690     \splitmaxdepth\maxdimen
19691     \vbadness\maxdimen
19692     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19693     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19694     \toks@\expandafter{\topmark}%
19695     \xdef\@firstcoltopmark{\the\toks@}%
19696     \toks@\expandafter{\splitfirstmark}%
19697     \xdef\@firstcolfirstmark{\the\toks@}%
19698     \ifx\@firstcolfirstmark\@empty
19699       \global\let\@setmarks\relax
19700     \else
19701       \gdef\@setmarks{%
19702         \let\firstmark\@firstcolfirstmark
19703         \let\topmark\@firstcoltopmark}%
19704     \fi
19705   \else
19706     \global\@firstcolumntrue
19707     \setbox\@outputbox\vbox{%
19708       \hb@xt@\textwidth{%
19709         \hskip \columnwidth
19710         \hfil
19711         {\normalcolor\vrule \@width\columnseprule}%
19712         \hfil
19713         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%

```



```

19714         \hskip -\textwidth
19715         \hb@xt@\columnwidth{\box\@outputbox \hss}%
19716         \hskip \columnsep
19717         \hskip \columnwidth }}%
19718 \@combinedblfloats
19719 \setmarks
19720 \outputpage
19721 \beginingroup
19722 \dblfloatplacement
19723 \startdblcolumn
19724 \@whiles\if@colmade \fi{\@outputpage
19725 \startdblcolumn}%
19726 \endgroup
19727 \fi}%
19728
19729 \def\LTR@outputdblcol{%
19730 \if@firstcolumn
19731 \global\@firstcolumnfalse
19732 \global\setbox\@leftcolumn\copy\@outputbox
19733 \splitmaxdepth\maxdimen
19734 \vbadness\maxdimen
19735 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19736 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19737 \toks@{\expandafter{\topmark}}%
19738 \xdef\@firstcoltopmark{\the\toks@}%
19739 \toks@\expandafter{\splitfirstmark}%
19740 \xdef\@firstcolfirstmark{\the\toks@}%
19741 \ifx\@firstcolfirstmark\@empty
19742 \global\let\setmarks\relax
19743 \else
19744 \gdef\setmarks{%
19745 \let\firstmark\@firstcolfirstmark
19746 \let\topmark\@firstcoltopmark}%
19747 \fi
19748 \else
19749 \global\@firstcolumntrue
19750 \setbox\@outputbox\vbox{%
19751 \hb@xt@\textwidth{%
19752 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
19753 \hfil
19754 {\normalcolor\vrule \@width\columnseprule}%
19755 \hfil
19756 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
19757 \@combinedblfloats
19758 \setmarks
19759 \outputpage
19760 \beginingroup
19761 \dblfloatplacement
19762 \startdblcolumn
19763 \@whiles\if@colmade \fi{\@outputpage

```



```

19764     \@startdblcolumn}%
19765     \endgroup
19766 \fi}%
19767
19768
19769 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
19770 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
19771 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
19772 \def\LTRmarginpar{%
19773     \ifhmode
19774         \@bsphack
19775         \@floatpenalty -\@Mii
19776     \else
19777         \@floatpenalty-\@Miii
19778     \fi
19779     \ifinner
19780         \@parmoderr
19781         \@floatpenalty\z@
19782     \else
19783         \@next\@currbox\@freelist{}\}%
19784         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
19785         {\@floatpenalty\z@
19786         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
19787     \fi
19788     \@ifnextchar [\@LTRxmpar\@LTRympar}
19789 \long\def\@LTRxmpar[#1]#2{%
19790     \@LTRsavemarbox\@marbox{#1}%
19791     \@LTRsavemarbox\@currbox{#2}%
19792     \@xympar}
19793 \long\def\@LTRympar#1{%
19794     \@LTRsavemarbox\@marbox{#1}%
19795     \global\setbox\@currbox\copy\@marbox
19796     \@xympar}
19797 \long\def \@LTRsavemarbox #1#2{%
19798     \global\setbox #1%
19799     \color@vbox
19800     \vtop{%
19801         \hsize\marginparwidth
19802         \@parboxrestore
19803         \@LTRmarginparreset
19804         #2%
19805         \@minipagefalse
19806         \outer@nobreak
19807     }%
19808     \color@endbox
19809 }
19810 \def \@LTRmarginparreset {%
19811     \reset@font
19812     \normalsize
19813     \@minipagetrue

```



```

19814         \everypar{\@minipagefalse\everypar{}\beginL}%
19815 }
19816 \def\RTLmarginpar{%
19817   \ifhmode
19818     \@bsphack
19819     \@floatpenalty -\@Mii
19820   \else
19821     \@floatpenalty-\@Miii
19822   \fi
19823   \ifinner
19824     \@parmoderr
19825     \@floatpenalty\z@
19826   \else
19827     \@next\@currbox\@freelist{}\}%
19828     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
19829     {\@floatpenalty\z@
19830       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
19831   \fi
19832   \@ifnextchar [\@RTLxmpar\@RTLympar}
19833 \long\def\@RTLxmpar[#1]#2{%
19834   \@RTLSavemarbox\@marbox{#1}%
19835   \@RTLSavemarbox\@currbox{#2}%
19836   \@xympar}
19837 \long\def\@RTLympar#1{%
19838   \@RTLSavemarbox\@marbox{#1}%
19839   \global\setbox\@currbox\copy\@marbox
19840   \@xympar}
19841 \long\def \@RTLSavemarbox #1#2{%
19842   \global\setbox #1%
19843     \color@vbox
19844     \vtop{%
19845       \hsize\marginparwidth
19846       \@parboxrestore
19847       \@RTLmarginparreset
19848       #2%
19849       \@minipagefalse
19850       \outer@nobreak
19851     }%
19852   \color@endbox
19853 }
19854 \def \@RTLmarginparreset {%
19855   \reset@font
19856   \normalsize
19857   \@minipagetrue
19858   \everypar{\@minipagefalse\everypar{}\beginR}%
19859 }
19860 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
19861   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
19862   \if@twocolumn
19863     \if@firstcolumn \@tempcnta\m@ne \fi

```




```

19864 \else
19865 \if@mparswitch
19866 \ifodd\c@page \else\@tempcnta\m@ne \fi
19867 \fi
19868 \if@reversemargin \@tempcnta -\@tempcnta \fi
19869 \fi
19870 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
19871 \@tempdima\@mparbottom
19872 \advance\@tempdima -\@pageht
19873 \advance\@tempdima\ht\@marbox
19874 \ifdim\@tempdima >\z@
19875 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
19876 \else
19877 \@tempdima\z@
19878 \fi
19879 \global\@mparbottom\@pageht
19880 \global\advance\@mparbottom\@tempdima
19881 \global\advance\@mparbottom\dp\@marbox
19882 \global\advance\@mparbottom\marginparpush
19883 \advance\@tempdima -\ht\@marbox
19884 \global\setbox \@marbox
19885 \vbox {\vskip \@tempdima
19886 \box \@marbox}%
19887 \global \ht\@marbox \z@
19888 \global \dp\@marbox \z@
19889 \kern -\@pagedp
19890 \nointerlineskip
19891 \hb@xt@\columnwidth
19892 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
19893 \hskip\columnwidth \hskip\marginparsep
19894 \else
19895 \hskip -\marginparsep \hskip -\marginparwidth
19896 \fi
19897 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
19898 \nointerlineskip
19899 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
19900 \long\def\ympar#1{%
19901 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
19902 \global\setbox\@currbox\copy\@marbox
19903 \@xympar}
19904 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
19905 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
19906 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
19907 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
19908 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
19909 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
19910 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
19911 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
19912 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
19913 \fi}

```



```

19914 \def\@outputpage{%
19915 \begingroup          % the \endgroup is put in by \aftergroup
19916 \let \protect \noexpand
19917 \@resetactivechars
19918 \global\let\@@if@newlist\if@newlist
19919 \global\@newlistfalse
19920 \@parboxrestore
19921 \shipout \vbox{%
19922   \set@typeset@protect
19923   \aftergroup \endgroup
19924   \aftergroup \set@typeset@protect
19925                               % correct? or just restore by ending
19926                               % the group?
19927 \if@specialpage
19928   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
19929 \fi
19930 \if@twoside
19931   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
19932   \let\@themargin\oddsidemargin
19933   \else \let\@thehead\@evenhead
19934   \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
19935 \fi
19936 \ifx\@thehead\@empty \let\@thehead\hfil \fi
19937 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
19938 \else %% not @twoside
19939   \ifx\@oddhead\@empty \let\@thehead\hfil \fi
19940   \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
19941 \fi
19942 \reset@font
19943 \normalsize
19944 \normalsfcodes
19945 \let\label\@gobble
19946 \let\index\@gobble
19947 \let\glossary\@gobble
19948 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
19949 \@beginndvi
19950 \vskip \topmargin
19951 \moveright\@themargin \vbox {%
19952   \setbox\@tempboxa \vbox to\headheight{%
19953     \vfil
19954     \color@hbox
19955     \normalcolor
19956     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
19957       \color@endbox
19958     }%
19959     \dp\@tempboxa \z@
19960     \box\@tempboxa
19961     \vskip \headsep
19962     \box\@outputbox
19963     \baselineskip \footskip

```



```

19964      \color@hbox
19965      \normalcolor
19966      \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
19967      \color@endbox
19968      }%
19969      }%
19970      \global\let\if@newlist\@if@newlist
19971      \global \colht \textheight
19972      \stepcounter{page}%
19973      \let\firstmark\botmark
19974  }
19975  \long\def\@makecaption#1#2{%
19976      \vskip\abovecaptionskip
19977      \sbox\@tempboxa{#1: #2}%
19978      \ifdim \wd\@tempboxa >\hsize
19979          \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
19980      \else
19981          \global \@minipagefalse
19982          \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
19983      \fi
19984      \vskip\belowcaptionskip}
19985  \let\@bidi@saved@eqno=\eqno
19986  \let\@bidi@saved@leqno=\leqno
19987  \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
19988  \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
19989  \@ifpackageloaded{amsmath}{}{
19990  \def\@eqnnum{\@normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
19991  }
19992  \input{footnote-xetex-bidi.def}
19993  \if@twocolumn
19994      \let\autofooterule\relax
19995      \let\leftfootnoterule\relax
19996      \let\rightfootnoterule\relax
19997      \textwidthfootnoterule
19998  \fi
19999  \if@bidi@csundef{@idxitem}{}{%
20000  \renewcommand{@idxitem}{\par\hangindent \if@RTL-\fi40\p}%
20001  }
20002  \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
20003  \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
20004  \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
20005  \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
20006  \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
20007  \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
20008  \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
20009  \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
20010  \@ifclassloaded{scrletter}{\input{scrletter-xetex-bidi.def}}{}
20011  \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
20012  \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
20013  \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}

```



```

20014 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
20015 \@ifclassloaded{report}{\ifpackageloaded{flowfram}{}{\input{report-xetex-bidi.def}}}{\input{report-xetex-bidi.def}}{}
20016 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
20017 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
20018 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
20019 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
20020 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
20021 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
20022 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
20023 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
20024 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
20025 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{}{\input{book-xetex-bidi.def}}}{\input{book-xetex-bidi.def}}{}
20026 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
20027 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
20028 \@ifpackageloaded{amsmath}{}{%
20029 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
20030 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
20031 }
20032 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
20033 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
20034 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
20035 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
20036 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
20037 \@ifpackagewith{algorithm2e}{\algonl}{%
20038 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}
20039 }{}
20040 \@ifpackagewith{algorithm2e}{\algotpart}{\renewcommand{\algocf@within}{part}}{}
20041 \@ifpackagewith{algorithm2e}{\algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
20042 \@ifpackagewith{algorithm2e}{\algotsection}{\renewcommand{\algocf@within}{section}}{}
20043 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
20044 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
20045 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
20046 \@ifpackageloaded{animate}{\input{animate-xetex-bidi.def}}{}
20047 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
20048 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
20049 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
20050 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
20051 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
20052 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{}{\input{crop-xetex-bidi.def}}}{\input{crop-xetex-bidi.def}}{}
20053 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
20054 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
20055 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
20056 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
20057 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
20058 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{}{\input{float-xetex-bidi.def}}}{\input{float-xetex-bidi.def}}{}
20059 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
20060 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
20061 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
20062 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
20063 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}

```



```

20064 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
20065 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
20066 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
20067 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
20068 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
20069 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
20070 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
20071 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
20072 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
20073 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
20074 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
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7.123 xltextra-xetex-bidi.def

```

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20137 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
20138 \let\@XeLaTeX\XeLaTeX
20139 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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17349,	17352,	18986,	19172,	\z@skip .	2283, 10329,
17358,	17368,	19179,	19180,	10330,	12671,
17378,	17388,	19198,	19214,	12674,	14517,
17429,	17430,	19217,	19226,	14521,	14531,
17431,	17432,	19227,	19229,	17493,	17498,
17437,	17438,	19233,	19240,	17532,	17538,
17442,	17454,	19241,	19242,	19582,	19583,
17489,	17513,	19243,	19338,	19640,	19646, 19948
17525,	17529,	19345,	19389,	\zap@space	444,
17622,	17626,	19391,	19417,	3461,	3548, 3584
17633,	17644,	19418,	19419,	\zifrefundefined . .	
17670,	17671,	19471,	19472,	10437, 10460
17681,	17685,	19473,	19552,	\zref@extractdefault	
17686,	17687,	19561,	19570,	10442, 10463
17690,	17699,	19579,	19583,	\zref@labelbyprops	
17700,	17702,	19603,	19604,	10408, 10483
17703,	17705,	19636,	19647,		
17713,	17718,	19655,	19660,	\	1848
17733,	17818,	19669,	19781,	\	1848
17819,	17893,	19785,	19825,		

9 Change History

v13.9	General: Added implementaion of the package.	o	toc, lot, lof, etc with multicol package.	307	
v14.2	General: Fixed the wrong order of		v14.3	General: Removed \leavevmode to avoid extra \par.	141

