



The bidi *Package*

Documentation for *version 20.5*

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 20.5*

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Introduction

bidi provides a convenient interface for typesetting bidirectional texts in plain TeX and L^AT_EX, 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
*
* 2016/11/27, v20.5
*
* 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

L^AT_EX 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.

¹**Simorgh** 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`, `LaTeX2 ϵ` are typeset LTR.

1.13 Separation Mark

```
\SepMark{\mark}\@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 senario 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-.4p@
28 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29 \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31 \hrule\@width 5pc\kern11p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \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 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\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 35\p@
96 \@indextitlestyle
97 \thispagestyle{plain}%
98 \let\item\@idxitem
99 \parindent\z@ \parskip\z@\@plus.3\p@\relax
100 \ifRTL\raggedleft\else\raggedright\fi
101 \hyphenpenalty\@M
102 \footnotesize}
103 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
104 \def\@subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
105 \def\@subsubitem{\par\hangindent \ifRTL-\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   \onx\markboth{\the\toks4
121     \onx\MakeUppercase{\the\toks@}}{\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 \algorithmskip%
184 % \let\@emathdisplay=\]\def\]\{\algocf@endline\@emathdisplay\nl}%
185 }%
186 \renewcommand{\@algocf@finish}{%
187 \algorithmskip%
188 \egroup%end of vtop which contain all the text
189 \hfill\egroup%end of hbox which 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   \@bibtylestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
293   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@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\@xtitle \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 XeTeX]
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 XeTeX]
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@dvi pdfmx%
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     }{}%
```



```

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 $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
603 \expandafter\let\csname endtabular*\endcsname=\endtabular
604 \def\@array[#1]#2{%
605 \@tempdima \ht \strutbox
606 \advance \@tempdima by\extrarowheight
607 \setbox \@arstrutbox \hbox{\vrule
608 \@height \arraystretch \@tempdima
609 \@depth \arraystretch \dp \strutbox
610 \@width \z@}%
611 \beginR
612 \@mkpream{#2}%
613 \xdef\@preamble{\noexpand \ialign \@halignto
614 \bgroup \@arstrut \@preamble
615 \tabskip \z@ \cr}%
616 \endR
617 \@arrayleft
618 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
619 \bgroup
620 \let \@sharp ##\let \protect \relax
621 \lineskip \z@
622 \baselineskip \z@
623 \m@th
624 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop
625 \def\@tabarray{\@ifnextchar[\@array]{\@array[c]}}
626 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
627 \def\array{\col@sep\arraycolsep
628 \def\d@llarbegin{$}\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     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@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{\thesecount\@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\@makefntext##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     \begingroup
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 \begin{group
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 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@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\@makefnmark{\xmakefnmark}%
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 \one \chnum \one \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\one \else
1604     \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1605     \z@ \@chclass
1606     \if \@nextchar \|\one \let\@arrayrule\adl@arrayrule \else
1607     \if \@nextchar : \one \let\@arrayrule\adl@arraydashrule \else
1608     \if \@nextchar ; \one \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{2016/11/27}
1719 \def\bidiversion{v20.5}
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 \newcommand*\setRTLtable{\@RTLtabtrue}
1760 \newcommand*\setLTRtable{\@RTLtabfalse}
1761 \newif\if@RTLmarginpar
1762 \newif\if@LTRmarginpar
1763 \newif\if@LTRbibitems
1764 \newif\if@RTLbibitems
1765 \newif\if@extrafootnotefeatures
1766 \newif\if@parafootRTL

```




```

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

```



```

1817 \fi}
1818 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1819 \ifcase\bidi@tempb\relax
1820 \@RTL@footnotetrue
1821 \or
1822 \@RTL@footnotefalse
1823 \fi}
1824 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1825 \ifcase\bidi@tempb\relax
1826 \footdir@debugtrue
1827 \or
1828 \footdir@debugfalse
1829 \fi}
1830 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1831 \ifcase\bidi@tempb\relax
1832 \@extrafootnotefeaturestrue
1833 \or
1834 \@extrafootnotefeaturesfalse
1835 \fi}
1836
1837 \ProcessOptionsX
1838
1839 \if@extrafootnotefeatures
1840 \input{extrafootnotefeatures-xetex-bidi.def}
1841 \fi
1842 \newcount\bidi@digits
1843 \XeTeXinterchartokenstate=\@ne
1844 \newXeTeXintercharclass\bidi@digits@charclass
1845 \newXeTeXintercharclass\bidi@dot@charclass
1846 \newXeTeXintercharclass\bidi@dash@charclass
1847 \XeTeXcharclass`\.\ \bidi@dot@charclass
1848 \XeTeXcharclass`\- \bidi@dash@charclass
1849 \bidi@digits=\`0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1850 \bidi@digits=\` \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<`
1851 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dot@charclass = {\DigitsDotDashInterCharToks}
1852 \XeTeXinterchartoks \bidi@dot@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharToks}
1853 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dash@charclass = {\DigitsDotDashInterCharToks}
1854 \XeTeXinterchartoks \bidi@dash@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharToks}
1855 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}

```

7.16 bidi.tex

```

1856 \def\bididate{2015/10/16}
1857 \def\bidiersion{v0.3}
1858 \catcode`\@=11
1859 \let \protect \relax
1860 \newlinechar`\^^J
1861 \edef\@bidi@info{*****~^J%
1862 * ~^J%
1863 * bidi package (Bidirectional typesetting in~^J%

```



```

1864 * plain TeX and LaTeX, using XeTeX engine)^^J%
1865 * ^^J%
1866 * Description: A convenient interface for^^J%
1867 * typesetting bidirectional texts in plain TeX^^J%
1868 * and LaTeX. The package includes adaptations^^J%
1869 * for use with many other commonly-used packages.^^J%
1870 * ^^J%
1871 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1872 * ^^J%
1873 * \bididate, \bidiversion^^J%
1874 * ^^J%
1875 * License: LaTeX Project Public License, version^^J%
1876 * 1.3c or higher (your choice)^^J%
1877 * ^^J%
1878 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1879 * ^^J%
1880 * Issue tracker: https://github.com/vafa/bidi/issues^^J%
1881 * ^^J%
1882 * Support: persian-tex@tug.org^^J%
1883 *****}
1884 \message{\@bidi@info}
1885 \edef\bidi@everyjob{\the\everyjob}
1886 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1887 \input iftex.sty
1888 \RequireXeTeX
1889 \newif\if@RTLmain
1890 \newif\if@RTL
1891 \newif\if@sentedir
1892 \newif\if@RTL@footnote
1893 \@RTLmainfalse
1894 \def\setRTLmain{%
1895   \if@RTLmain\else
1896     \if@RTL\@RTLmaintrue%
1897     \else\@RTLmainfalse%
1898     \fi%
1899   \fi%
1900 }
1901 \let\n@xt=\
1902 \protected\def\LRE{\protect\pLRE}%
1903 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1904 \protected\def\RLE{\protect\pRLE}
1905 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1906 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1907   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1908 \input plain-xetex-bidi.def
1909 \catcode`\@=12

```

7.17 bidi2in1.sty

```

1910 \NeedsTeXFormat{LaTeX2e}

```



```

1911 \ProvidesPackage{bidi2in1}
1912 \pagestyle{plain}
1913 \newcount\evenpage
1914 \newcount\oddpge
1915 \twocolumn
1916 \def\@oddfoot{\evenpage=\thepage%
1917 \multiply\evenpage by 2%
1918 \oddpge=\the\evenpage%
1919 \advance\oddpge by -1%
1920 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1921 \def\@evenfoot{\evenpage=\thepage%
1922 \multiply\evenpage by 2%
1923 \oddpge=\the\evenpage%
1924 \advance\oddpge by -1%
1925 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1926 \textwidth 9.49in
1927 \textheight 6.7in
1928 \columnsep 0.9in
1929 \columnseprule 0.125pt
1930 \headheight 0cm
1931 \topmargin 0in
1932 \marginparwidth 0in
1933 \marginparsep 0in
1934 \hoffset 0.05in % Corrected
1935 \voffset -0.5in %top margin space is 1.0in by default
1936 \oddsidemargin 0in
1937 \evensidemargin 0in
1938 \headsep 0cm
1939 \topskip 0cm
1940 \parskip 0.15in %
1941 \headsep 0pt
1942 \special{papersize=11.69in,8.26in}
1943 \renewcommand\maketitle{\par
1944 \begingroup
1945 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1946 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1947 \long\def\@makefntext##1{\parindent 1em\noindent
1948 \hb@xt@1.8em{\%
1949 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1950 \@maketitle
1951 \@thanks
1952 \endgroup
1953 \setcounter{footnote}{0}%
1954 \global\let\thanks\relax
1955 \global\let\maketitle\relax
1956 \global\let\@maketitle\relax
1957 \global\let\@thanks\empty
1958 \global\let\@author\empty
1959 \global\let\@date\empty
1960 \global\let\@title\empty

```



```

1961 \global\let\title\relax
1962 \global\let\author\relax
1963 \global\let\date\relax
1964 \global\let\and\relax
1965 }

```

7.18 bidicode.sty

```

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

```



```

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

```



```

2058 {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2059 \aftergroup\@afterindentfalse\aftergroup\@afterheading
2060 }
2061
2062 \newenvironment{BDef*}
2063 {\begin{lrbox}\boxdef
2064   \def\arraystretch{1.0}
2065   \begin{tabular}{@{}l@{}l@{}l@{}}
2066 }
2067 {\end{tabular}\end{lrbox}
2068 {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2069 \aftergroup\@afterindentfalse\aftergroup\@afterheading
2070 }
2071 \newenvironment{BCmd}{
2072   \@beginparpenalty-\@lowpenalty
2073   \topsep\BDefaboveskip
2074   \fbboxsep3pt
2075   \flushleft}
2076 {\@endparpenalty\@M
2077   \@topsepadd\BDefbelowskip
2078   \endflushleft}
2079
2080 \newenvironment{BCmd*}{
2081   \@beginparpenalty\@M
2082   \topsep\BDefinlineskip
2083   \fbboxsep3pt
2084   \flushleft}
2085 {\@endparpenalty5000
2086   \endflushleft}
2087
2088 \newskip\BDefaboveskip
2089 \newskip\BDefbelowskip
2090 \newskip\BDefinlineskip
2091 \setlength\BDefaboveskip{10pt plus 4pt}
2092 \setlength\BDefbelowskip{6pt}
2093 \setlength\BDefinlineskip{6pt}
2094
2095 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
2096 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2097 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
2098 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

7.19 bidi_{ftn}xtra.sty

```

2099 \NeedsTeXFormat{LaTeX2e}
2100 \ProvidesPackage{bidiftnxtra}
2101 \newtoks\bidip@ftn
2102 \let\FN@sf@@footnote\footnote
2103 \let\FN@sf@@LTRfootnote\LTRfootnote
2104 \let\FN@sf@@RTLfootnote\RTLfootnote

```



```

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

```




```

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

```



```

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

```



```

2255         \ifnum \@tempcnta>15
2256             \advance\@tempcnta -\sixt@@n\relax
2257         \fi
2258     \fi
2259 }%
2260 \@tempcntb \csname ftype@\@capytype \endcsname
2261 \multiply \@tempcntb \@xxxii
2262 \advance \@tempcnta \@tempcntb
2263 \global \count\@currbox \@tempcnta
2264 }%
2265 \@fltovf
2266 \fi
2267 \global \setbox\@currbox
2268     \color@vbox
2269     \normalcolor
2270     \vbox \bgroup
2271     \let\@footnotetext\@bidi@p@ftntext
2272     \let\@LTRfootnotetext\@bidi@p@LTRftntext
2273     \let\@RTLfootnotetext\@bidi@p@RTLftntext
2274     \let\@xfootnotenext\@bidi@p@xftntext
2275     \let\@xfootnote\@bidi@p@xfootnote
2276     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2277     \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2278     \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2279     \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2280     \hsize\columnwidth
2281     \@parboxrestore
2282     \@floatboxreset
2283 }
2284 \def \endfloatbox{%
2285     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2286     \@minipagefalse
2287     \outer@nobreak
2288     \egroup               %% end of vbox
2289     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2290     \color@endbox
2291 }

```

7.20 bidi-longtable.sty

```

2292 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2293 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2294     \par
2295     \ifx\multicols\@undefined
2296     \else
2297         \ifnum\col@number>\@ne
2298             \@twocolumntrue
2299         \fi
2300     \fi
2301     \if@twocolumn

```



```

2302 \LT@err{longtable not in 1-column mode}\@ehc
2303 \fi
2304 \begingroup
2305 \@ifnextchar[\LT@array{\LT@array[x]}]
2306 \def\endlongtable{%
2307 \crr
2308 \noalign{%
2309 \let\LT@entry\LT@entry@chop
2310 \xdef\LT@save@row{\LT@save@row}}%
2311 \LT@echunk
2312 \LT@start
2313 \unvbox\z@
2314 \LT@get@widths
2315 \if@filesw
2316 {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2317 \gdef\expandafter\noexpand
2318 \csname LT@\romannumeral\c@LT@tables\endcsname
2319 {\LT@save@row}}}%
2320 \fi
2321 \ifx\LT@save@row\LT@@save@row
2322 \else
2323 \LT@warn{Column \@width s have changed\MessageBreak
2324 in table \thetable}%
2325 \LT@final@warn
2326 \fi
2327 \endgraf\penalty -\LT@end@pen
2328 \endgroup
2329 \global\@mparbottom\z@
2330 \pagegoal\vsiz
2331 \endgraf\penalty\z@\addvspace\LTpost
2332 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2333 \def\LT@output{%
2334 \ifnum\outputpenalty <-\@Mi
2335 \ifnum\outputpenalty > -\LT@end@pen
2336 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2337 \else
2338 \setbox\z@\vbox{\unvbox\@cclv}%
2339 \ifdim \ht\LT@lastfoot>\ht\LT@foot
2340 \dimen@ \pagegoal
2341 \advance\dimen@-\ht\LT@lastfoot
2342 \ifdim\dimen@<\ht\z@
2343 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2344 \makecol
2345 \outputpage
2346 \setbox\z@\vbox{\box\LT@head}%
2347 \fi
2348 \fi
2349 \global\@colroom\@colht
2350 \global\vsiz\@colht
2351 \vbox

```



```

2352     {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2353     \fi
2354     \else
2355     \setbox\@cc1v\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cc1v\copy\LT@foot\vss}\if@RTLta
2356     \@makecol
2357     \@outputpage
2358     \global\vsizel\@colroom
2359     \copy\LT@head\nobreak
2360     \fi}

```

7.21 bidimoderncv.cls

```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

2599         \let\p@enumiv\@empty%
2600         \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
2601         \sloppy\clubpenalty4000\widowpenalty4000%
2602     }%
2603     {%
2604     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}}%
2605     \end{list}}%
2606 }
2607 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2608 \let\@openbib@code\@empty

```

7.22 biditools.sty

```

2609 \NeedsTeXFormat{LaTeX2e}
2610 \ProvidesPackage{biditools}[2016/11/27 v0.9 Programming tools for bidi package]
2611 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2612   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2613   \ifx\@tempa\@tempb \global\let#2#1%
2614   \else
2615     \edef\@tempb{\meaning#2}%
2616     \ifx\@tempa\@tempb
2617     \else
2618       \@latex@error{Unable to properly define \string#2; primitive
2619         \noexpand#1no longer primitive}\@eha
2620     \fi
2621   \fi
2622   \endgroup}
2623 \newtoks\@bidi@envbody
2624 \newtoks\@bidi@emptytoks
2625 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2626 \def\bidi@collect@body#1{%
2627   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2628   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2629   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2630   \begingroup
2631   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@body
2632   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2633   \bidi@process@envbody
2634 }
2635 \def\bidi@push@begins#1\begin#2{%
2636   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2637 }
2638 \def\bidi@collect@@body#1\end#2{%
2639   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2640   \ifx\@empty\begin@bidi@stack
2641     \endgroup
2642     \@checkend{#2}%
2643     \bidi@addto@envbody{#1}%
2644   \else
2645     \bidi@addto@envbody{#1\end{#2}}%

```



```

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

```



```

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

```



```

2746 \if@RTLtab
2747   \expandafter\@secondoftwo
2748 \else
2749   \expandafter\@firstoftwo
2750 \fi}
2751 \newcommand*{\iflatin}{%
2752 \if@nonlatin
2753   \expandafter\@secondoftwo
2754 \else
2755   \expandafter\@firstoftwo
2756 \fi}
2757 \newcommand*{\ifnonlatin}{%
2758 \if@nonlatin
2759   \expandafter\@firstoftwo
2760 \else
2761   \expandafter\@secondoftwo
2762 \fi}
2763 \newcommand*{\if@bidi@csdef}[1]{%
2764 \ifcsname#1\endcsname
2765   \expandafter\@firstoftwo
2766 \else
2767   \expandafter\@secondoftwo
2768 \fi}
2769 \newcommand*{\if@bidi@csundef}[1]{%
2770 \ifcsname#1\endcsname
2771   \expandafter\ifx\csname#1\endcsname\relax
2772     \expandafter\expandafter
2773     \expandafter\@firstoftwo
2774   \else
2775     \expandafter\expandafter
2776     \expandafter\@secondoftwo
2777   \fi
2778 \else
2779   \expandafter\@firstoftwo
2780 \fi}
2781 \newcommand{\if@bidi@def}[1]{%
2782 \ifdefined#1%
2783   \expandafter\@firstoftwo
2784 \else
2785   \expandafter\@secondoftwo
2786 \fi}
2787 \newcommand{\if@bidi@undef}[1]{%
2788 \ifdefined#1%
2789   \ifx#1\relax
2790     \expandafter\expandafter
2791     \expandafter\@firstoftwo
2792   \else
2793     \expandafter\expandafter
2794     \expandafter\@secondoftwo
2795   \fi

```



```

2796 \else
2797 \expandafter\@firstoftwo
2798 \fi}
2799 \newcommand{\if@bidi@blank}[1]{% from url.sty
2800 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2801 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2802 \newcommand{\bidi@notblank}[1]{%
2803 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2804 \newcommand{\if@bidi@defmacro}{%
2805 \long\edef\if@bidi@defmacro#1{%
2806 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2807 \noexpand\meaning#1\detokenize{macro}:&}
2808 \edef\bidi@ifdefmacro{%
2809 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2810 \bidi@ifdefmacro{\bidi@notblank{#2}}
2811 \newcommand*{\if@bidi@csmacro}[1]{%
2812 \if@bidi@csdef{#1}
2813 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2814 {\@secondoftwo}}
2815 \newcommand{\if@bidi@defprimitive}[1]{%
2816 \ifprimitive#1%
2817 \expandafter\@firstoftwo
2818 \else
2819 \expandafter\@secondoftwo
2820 \fi}
2821 \newcommand{\if@bidi@csprimitive}[1]{%
2822 \begingroup\expandafter\expandafter\expandafter\endgroup%
2823 \expandafter\ifprimitive\csname#1\endcsname%
2824 \expandafter\@firstoftwo
2825 \else
2826 \expandafter\@secondoftwo
2827 \fi}
2828 \newcommand*{\bidi@csdefcs}[2]{%
2829 \expandafter\@ifdefinable \csname#1\endcsname{%
2830 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}%
2831 \newcommand*{\bidi@csletcs}[2]{%
2832 \expandafter\@ifdefinable \csname#1\endcsname{%
2833 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}%
2834 \newcommand*{\bidi@cslet}[2]{%
2835 \expandafter\@ifdefinable \csname#1\endcsname{%
2836 \expandafter\let\csname#1\endcsname#2}}
2837 \newcommand{\bidi@namelongdef}[1]{%
2838 \long\expandafter\def\csname #1\endcsname}
2839 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2840 \def\bidi@ensure@new@command#1{%
2841 \begingroup \escapechar\m@ne\xdef@gtempa{\string#1}\endgroup
2842 \expandafter\if@bidi@csundef@gtempa
2843 {\new@command#1}{\relax%
2844 \let\@ifdefinable\@rc@ifdefinable%
2845 \new@command#1}}

```



```

2846 \def\ bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2847
2848 \protected\def\ bidi@error{\PackageError{bidi}}
2849 \protected\def\ bidi@warning{\PackageWarning{bidi}}
2850 \protected\def\ bidi@info{\PackageInfo{bidi}}
2851
2852 \newcommand*{\ bidi@newrobustcmd}{}
2853 \protected\def\ bidi@newrobustcmd{\@star@or@long\ bidi@new@command}
2854
2855 \def\ bidi@new@command#1{\@testopt{\ bidi@newcommand#1}0}
2856
2857 \def\ bidi@newcommand#1[#2]{%
2858   \@ifnextchar[%]
2859     {\ bidi@xargdef#1[#2]}
2860     {\ifx\l@ngrel@x\relax
2861       \let\l@ngrel@x\protected
2862       \else
2863         \protected\def\l@ngrel@x{\protected\long}%
2864       \fi
2865       \@argdef#1[#2]}}
2866
2867 \long\def\ bidi@xargdef#1[#2][#3]#4{%
2868   \@ifdefinable#1{%
2869     \expandafter\protected
2870     \expandafter\def
2871     \expandafter#1%
2872     \expandafter{%
2873       \expandafter\@testopt
2874       \csname\string#1\endcsname{#3}}%
2875     \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
2876
2877 \ bidi@newrobustcmd*{\ bidi@renewrobustcmd}{\@star@or@long\ bidi@renew@command}
2878
2879 \def\ bidi@renew@command#1{%
2880   \if@bidi@undef{#1}
2881     {\ bidi@error{\string#1 undefined}\@ehc}
2882     {%
2883       \let\@ifdefinable\@rc@ifdefinable
2884       \ bidi@new@command#1}
2885
2886
2887
2888 \ bidi@newrobustcmd*{\ bidi@providerobustcmd}{\@star@or@long\ bidi@provide@command}
2889
2890 \def\ bidi@provide@command#1{%
2891   \if@bidi@undef{#1}
2892     {\def\reserved@a{\ bidi@new@command#1}}
2893     {\def\reserved@a{\ bidi@renew@command\reserved@a}}%
2894   \reserved@a}
2895

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

3246 {\bidi@warning{%
3247     Patching '\string\end' failed!\MessageBreak
3248     '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3249
3250
3251
3252 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3253     \bidi@csgappto{\bidi@beforebegin@#1@hook}}
3254
3255 \bidi@pretocmd\begin
3256     {\bidi@csuse{\bidi@beforebegin@#1@hook}}
3257     {}
3258     {\bidi@warning{%
3259         Patching '\string\begin' failed!\MessageBreak
3260         '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3261
3262
3263
3264 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3265     \bidi@csgappto{\bidi@afterend@#1@hook}}
3266
3267 \bidi@patchcmd\end
3268     {\if@ignore}
3269     {\bidi@csuse{\bidi@afterend@#1@hook}%
3270     \if@ignore}
3271     {}
3272     {\bidi@warning{%
3273         Patching '\string\end' failed!\MessageBreak
3274         '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3275
3276 \CheckCommand{\InputIfFileExists}[2]{%
3277     \IfFileExists{#1}%
3278     {#2\@addtofilelist{#1}\@input \@filef@und}}
3279
3280 \renewcommand{\InputIfFileExists}[2]{%
3281     \begingroup\expandafter\expandafter\expandafter\endgroup
3282     \expandafter\ifx\csname #1-\bidi@alias\endcsname\relax
3283     \expandafter\@secondoftwo
3284     \else
3285     \bidi@replacefile@msg{\csname #1-\bidi@alias\endcsname}{#1}%
3286     \expandafter\@firstoftwo
3287     \fi
3288     {%
3289     \expandafter\InputIfFileExists\expandafter{\csname
3290     #1-\bidi@alias\endcsname}{#2}%
3291     }%
3292     {\IfFileExists{#1}{%
3293         \bidi@load@hook{before}{#1}%
3294         #2\@addtofilelist{#1}%
3295         \@input \@filef@und

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

3596 \let\reserved@c\@empty
3597 \let\reserved@d\@empty
3598 \edef\reserved@b{\zap@space#2 \@empty}%
3599 \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3600 \do {%
3601   \begingroup
3602     \@tempswatrue
3603     \@for\reserved@a:=\bidi@excludedpackages\do {%
3604       \ifx\reserved@a\reserved@b
3605         \@tempswafalse
3606       \fi
3607     }%
3608     \if@tempswa
3609       \xdef\reserved@c{\reserved@c,\reserved@b}%
3610     \else
3611       \ifx\reserved@b\@empty\else
3612         \PackageInfo{bidiutils}{Excluding package '\reserved@b'\MessageBreak
3613           from loading}%
3614         \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
3615           }{%
3616             \expandafter\g@addto@macro\expandafter\reserved@d
3617             \csname bidi@exclude@package@\reserved@b @do\endcsname
3618           }%
3619       \fi
3620     \fi
3621   \endgroup
3622 }%
3623 \ifx\reserved@c\@empty
3624   \let\reserved@a\bidi@gobbleopt
3625 \else
3626   \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
3627     \expandafter\@gobble\reserved@c\@empty}}%
3628 \fi
3629 \expandafter\reserved@d
3630 \reserved@a
3631 }
3632
3633 \newcommand{\bidi@gobbleopt}[1][{}]{%
3634 \AtEndDocument{%
3635   \let\bidi@saved@checkend=\@checkend
3636   \renewcommand*{\@checkend}[1]{%
3637     \def\reserved@a{#1}\def\reserved@b{document}%
3638     \bidi@saved@checkend{#1}%
3639     \ifx\reserved@a\reserved@b
3640       \let\bidi@saved@clearpage=\clearpage
3641       \renewcommand*{\clearpage}{\bidi@saved@clearpage
3642         \bidi@hook@bcma
3643         \bidi@restore@newpage
3644         \let\clearpage=\bidi@saved@clearpage}%
3645     \fi%

```



```

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

```



```

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

```




```

3746 \def\bidipatch@AfterPackage#1{%
3747   \@ifpackageloaded{#1}{%
3748     \@firstofone
3749   }{%
3750     \bidipatch@AfterPackage{#1}%
3751   }%
3752 }
3753 \def\bidipatch@AfterPackage#1{%
3754   \edef\bidipatch@temp{#1}%
3755   \bidipatch@stepcounter
3756   \expandafter\bidipatch@@AfterPackage
3757   \csname bidipatch@\bidipatch@counter\expandafter\endcsname{%
3758     \bidipatch@temp
3759   }%
3760 }
3761 \def\bidipatch@@AfterPackage#1#2#3{%
3762   \begingroup
3763     \toks@{#3}%
3764     \xdef\bidipatch@gtemp{%
3765       \noexpand\@ifpackageloaded{#2}{%
3766         \noexpand\let\noexpand#1\noexpand\relax
3767         \the\toks@
3768       }{%
3769       }%
3770     \endgroup
3771     \let#1\bidipatch@gtemp
3772     \bidipatch@Add#1%
3773     \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3774 }
3775
3776 \def\bidipatch@try#1#2#3{%
3777   \if@bidi@csundef{#1}{%
3778     \csname #1\endcsname{#2}{#3}%
3779   }%
3780 }
3781
3782 \AtBeginDocument{\bidipatch@list}
3783
3784 \bidipatch@AtEndPreamble{\bidipatch@list}%
3785
3786 \bidipatch@AfterEndPreamble{%
3787   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
3788   \let\bidipatch@OrgIfPackageLater\@ifpackagelater
3789   \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
3790   \let\bidipatch@OrgIfClassLater\@ifclasslater
3791   \bidipatch@list
3792   \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
3793   \let\@ifpackagelater\bidipatch@OrgIfPackageLater
3794   \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
3795   \let\@ifclasslater\bidipatch@OrgIfClassLater

```



3796 }%

7.23 bidiutfefloat.sty

```
3797 \NeedsTeXFormat{LaTeX2e}
3798 \ProvidesPackage{bidiutfefloat}[2011/06/14 v0.1
3799 bidi implementation of tufte float]
3800 \RequirePackage{xifthen}
3801 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
3802 \newcommand{\@bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
3803 \newcommand{\@bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
3804 \newcommand{\@bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1\@gobble}}
3805 \newboolean{\@bidiutfefloat@RTLgeometry}
3806 \setboolean{\@bidiutfefloat@RTLgeometry}{true}
3807 \DeclareOption{RTLgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{true}}
3808 \DeclareOption{LTRgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{false}}
3809 \newboolean{\@bidiutfefloat@a4paper}
3810 \DeclareOption{a4paper}{\setboolean{\@bidiutfefloat@a4paper}{true}}
3811 \newboolean{\@bidiutfefloat@b5paper}
3812 \DeclareOption{b5paper}{\setboolean{\@bidiutfefloat@b5paper}{true}}
3813 \newboolean{\@bidiutfefloat@symmetric}
3814 \newboolean{\@bidiutfefloat@twoside}
3815 \DeclareOption{twoside}{%
3816 \@twosidetrue \mparswitchtrue%
3817 \setboolean{\@bidiutfefloat@twoside}{true}%
3818 \setboolean{\@bidiutfefloat@symmetric}{true}%
3819 }
3820 \DeclareOption{oneside}{%
3821 \@twosidefalse \mparswitchfalse%
3822 \setboolean{\@bidiutfefloat@twoside}{false}%
3823 \setboolean{\@bidiutfefloat@symmetric}{false}%
3824 }
3825 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3826 \newboolean{\@bidiutfefloat@debug}
3827 \newcommand*{\@bidiutfefloat@caption@justification}{\@bidiutfefloat@justification@autodetect}
3828 \ProcessOptions
3829 %% Globally sets the length
3830 \newcommand*{\gsetlength}[2]{%
3831 \setlength{#1}{#2}%
3832 \global#1=#1\relax%
3833 }
3834 %% Globally sets a boolean
3835 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
3836 \lowercase{\def\@tempa{#2}}%
3837 \ifundefined{\@tempa}{\@tempa}%
3838 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
3839 {\ifundefined{#1\@tempa}%
3840 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3841 {\global\csname#1\@tempa\endcsname}%
3842 }%
```



```

3843 }
3844 %% Set the font sizes and baselines to match bidentefloat's books
3845 \renewcommand\normalsize{%
3846   \@setfontsize\normalsize\@xpt{14}%
3847   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3848   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3849   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3850   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3851   \let\@listi\@listI}
3852 \normalbaselineskip=14pt
3853 \normalsize
3854 \renewcommand\footnotesize{%
3855   \@setfontsize\footnotesize\@viipt{10}%
3856   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3857   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3858   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3859   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3860   \def\@listi{\leftmargin\leftmarginI
3861     \topsep 3\p@ \@plus\p@ \@minus\p@
3862     \parsep 2\p@ \@plus\p@ \@minus\p@
3863     \itemsep \parsep}%
3864   \belowdisplayshortskip \abovedisplayskip
3865 }
3866 %% Paragraph indentation and separation for marginal text
3867 \newcommand{\@bidentefloat@margin@par}{%
3868   \setlength{\RaggedRightParindent}{0.5pc}%
3869   \setlength{\JustifyingParindent}{0.5pc}%
3870   \setlength{\parindent}{0.5pc}%
3871   \setlength{\parskip}{0pt}%
3872 }
3873 \RequirePackage{ragged2e}
3874 \ifthenelse{\boolean{@bidentefloat@RTLgeometry}}{%
3875   \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginpar=0.5in]{geometry}
3876 }{\ifthenelse{\boolean{@bidentefloat@afourpaper}}{
3877   {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginpar=0.5in}}
3878 }{\ifthenelse{\boolean{@bidentefloat@bfivepaper}}{
3879   {\geometry{paperwidth=176mm, paperheight=250mm, right=14.66mm, top=13.88mm, textwidth=102.66mm, marginpar=0.5in}}
3880 }{\ifthenelse{\boolean{@bidentefloat@afourpaper}}{
3881   {\geometry{a4paper, left=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginpar=0.5in}}
3882 }{\ifthenelse{\boolean{@bidentefloat@bfivepaper}}{
3883   {\geometry{paperwidth=176mm, paperheight=250mm, left=14.66mm, top=13.88mm, textwidth=102.66mm, marginpar=0.5in}}
3884 }{\ifthenelse{\boolean{@bidentefloat@symmetric}}{
3885   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3886 }{\setlength{\marginparpush}{10pt}}
3887 }
3888 %% Font for margin items

```



```

3893 \newcommand{\@bidiutefloat@marginfont}{\normalfont\footnotesize}
3894 \newcommand*{\@bidiutefloat@caption@font}{\@bidiutefloat@marginfont}
3895 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutefloat@caption@font}{#1}}
3896 \newcommand{\@bidiutefloat@justification}{\justifying}%
3897 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3898 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3899 \newboolean{@bidiutefloat@changepage}
3900 \IfFileExists{changepage.sty}{%
3901   \bidiutefloatDebugInfoNL{Found changepage.sty}
3902   \RequirePackage[strict]{changepage}
3903   \setboolean{@bidiutefloat@changepage}{true}
3904 }{%
3905   \bidiutefloatDebugInfoNL{Found chngpage.sty}
3906   \RequirePackage[strict]{chngpage}
3907   \setboolean{@bidiutefloat@changepage}{false}
3908 }
3909 \newboolean{@bidiutefloat@odd@page}
3910 \setboolean{@bidiutefloat@odd@page}{true}
3911 \newcommand*{\@bidiutefloat@checkoddpager}{%
3912   \checkoddpager%
3913   \ifthenelse{\boolean{@bidiutefloat@changepage}}{%
3914     \ifoddpager%
3915       \setboolean{@bidiutefloat@odd@page}{true}%
3916     \else%
3917       \setboolean{@bidiutefloat@odd@page}{false}%
3918     \fi%
3919   }{%
3920     \ifcpoddpager%
3921       \setboolean{@bidiutefloat@odd@page}{true}%
3922     \else%
3923       \setboolean{@bidiutefloat@odd@page}{false}%
3924     \fi%
3925   }%
3926 }
3927 \newlength{\@bidiutefloat@overhang}% used by the fullwidth environment and the running heads
3928 \newlength{\@bidiutefloat@fullwidth}
3929 \newlength{\@bidiutefloat@caption@fill}
3930 \newcommand{\@bidiutefloatRecalculate}{%
3931   \setlength{\@bidiutefloat@overhang}{\marginparwidth}
3932   \addtolength{\@bidiutefloat@overhang}{\marginparsep}
3933
3934   \setlength{\@bidiutefloat@fullwidth}{\textwidth}
3935   \addtolength{\@bidiutefloat@fullwidth}{\marginparsep}
3936   \addtolength{\@bidiutefloat@fullwidth}{\marginparwidth}
3937
3938   \setlength{\@bidiutefloat@caption@fill}{\textwidth}
3939   \addtolength{\@bidiutefloat@caption@fill}{\marginparsep}
3940 }
3941 \AtBeginDocument{\@bidiutefloatRecalculate}
3942 \RequirePackage{optparams}% provides multiple optional arguments for commands

```



```

3943 \RequirePackage{placeins}
3944 \newsavebox{\@bidiutefloat@margin@floatbox}
3945 \newenvironment{@bidiutefloat@margin@float}[2][-1.2ex]%
3946 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3947 \begin{lrbox}{\@bidiutefloat@margin@floatbox}%
3948 \begin{minipage}{\marginparwidth}%
3949 \@bidiutefloat@caption@font%
3950 \def\@capttype{#2}%
3951 \hbox{\vspace*{#1}%
3952 \@bidiutefloat@caption@justification%
3953 \@bidiutefloat@margin@par%
3954 \noindent%
3955 }
3956 {\end{minipage}%
3957 \end{lrbox}%
3958 \marginpar{\usebox{\@bidiutefloat@margin@floatbox}}%
3959 }
3960 \newenvironment{marginfigure}[1][-1.2ex]%
3961 {\begin{@bidiutefloat@margin@float}[#1]{figure}}
3962 {\end{@bidiutefloat@margin@float}}
3963 \newenvironment{margintable}[1][-1.2ex]%
3964 {\begin{@bidiutefloat@margin@float}[#1]{table}}
3965 {\end{@bidiutefloat@margin@float}}
3966 \newcommand*{\@bidiutefloat@justification@autodetect}{\justifying}%
3967
3968 \newcommand{\@bidiutefloat@float@debug@info}{}% contains debug info generated as the float is
3969 \newcommand{\@bidiutefloat@float@debug}[1]{% adds debug info to the queue for output
3970 \ifthenelse{\equal{\@bidiutefloat@float@debug@info}{}}%
3971 {\def\@bidiutefloat@float@debug@info{#1}}%
3972 {\g@addto@macro\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
3973 }
3974 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3975 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutefloat@float@debug
3976 \newboolean{@bidiutefloat@float@recto}
3977 \newcommand{\forcerectofloat}{\gsetboolean{@bidiutefloat@float@recto}{true}\@bidiutefloat
3978 \newcommand{\forceversofloat}{\gsetboolean{@bidiutefloat@float@recto}{false}\@bidiutefloat
3979 \newsavebox{\@bidiutefloat@figure@box}
3980 \newsavebox{\@bidiutefloat@caption@box}
3981 \let\@bidiutefloat@orig@float\@float
3982 \let\@bidiutefloat@orig@endfloat\endfloat
3983 \newlength{\@bidiutefloat@caption@vertical@offset}
3984 \setlength{\@bidiutefloat@caption@vertical@offset}{0pt}
3985 \newcommand{\@bidiutefloat@stored@shortcaption}{%
3986 \newcommand{\@bidiutefloat@stored@caption}{%
3987 \newcommand{\@bidiutefloat@stored@label}{%
3988 \long\def\@bidiutefloat@caption[#1][#2]#3{%
3989 \ifthenelse{\isempty{#1}}%
3990 {\gdef\@bidiutefloat@stored@shortcaption{#3}}%
3991 {\gdef\@bidiutefloat@stored@shortcaption{#1}}%
3992 \gsetlength{\@bidiutefloat@caption@vertical@offset}{-#2}% we want a positive offset to lower

```



```

3993 \gdef\@bidiutefloat@stored@caption{#3}%
3994 }
3995 \newcommand{\@bidiutefloat@label}[1]{%
3996 \gdef\@bidiutefloat@stored@label{#1}%
3997 }
3998 \newcommand{\@bidiutefloat@fps}{%
3999 \newboolean{\@bidiutefloat@float@star}
4000 \newlength{\@bidiutefloat@float@contents@width}
4001 \newenvironment{\@bidiutefloat@float}[3][htbp]%
4002 {% begin \@bidiutefloat@float
4003 % Should this float be full-width or just text-width?
4004 \ifthenelse{\equal{#3}{star}}%
4005 {\gsetboolean{\@bidiutefloat@float@star}{true}}%
4006 {\gsetboolean{\@bidiutefloat@float@star}{false}}%
4007 % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
4008 \@bidiutefloat@checkoddpag%
4009 \ifthenelse{\boolean{\@bidiutefloat@odd@page}}%
4010 {\gsetboolean{\@bidiutefloat@float@recto}{true}\@bidiutefloat@float@debug{Detected page
4011 {\gsetboolean{\@bidiutefloat@float@recto}{false}\@bidiutefloat@float@debug{Detected page
4012 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
4013 \renewcommand{\@bidiutefloat@fps}{#1}%
4014 \@bidiutefloat@float@debug{Allowed positions: [ #1 ]}%
4015 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
4016 {\renewcommand{\floatalignment}{b}\@bidiutefloat@float@debug{Presumed position: [bottom]
4017 {\renewcommand{\floatalignment}{t}\@bidiutefloat@float@debug{Presumed position: [top]}}%
4018 % Capture the contents of the \caption and \label commands to use later
4019 \global\let\@bidiutefloat@orig@caption\caption%
4020 \global\let\@bidiutefloat@orig@label\label%
4021 \renewcommand{\caption}{\optparams{\@bidiutefloat@caption}{[ ] [Opt]}}%
4022 \renewcommand{\label}[1]{\@bidiutefloat@label{##1}}%
4023 % Handle subfigure package compatibility
4024 \ifthenelse{\boolean{\@bidiutefloat@packages@subfigure}}{%
4025 % don't move the label while inside a \subfigure or \subtable command
4026 \global\let\label\@bidiutefloat@orig@label%
4027 }{% subfigure package is not loaded
4028 \@bidiutefloat@orig@float{#2}[#1}%
4029 \ifthenelse{\boolean{\@bidiutefloat@float@star}}%
4030 {\setlength{\@bidiutefloat@float@contents@width}{\@bidiutefloat@fullwidth}}%
4031 {\setlength{\@bidiutefloat@float@contents@width}{\textwidth}}%
4032 \begin{lrbox}{\@bidiutefloat@figure@box}%
4033 \begin{minipage}{\floatalignment}{\@bidiutefloat@float@contents@width}\hbox{%
4034 }{% end \@bidiutefloat@float
4035 \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}}% align
4036 \end{minipage}%
4037 \end{lrbox}%
4038 % build the caption box
4039 \begin{lrbox}{\@bidiutefloat@caption@box}%
4040 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4041 \ifthenelse{\NOT\equal{\@bidiutefloat@stored@caption}{}}{\@bidiutefloat@orig@caption
4042 \ifthenelse{\NOT\equal{\@bidiutefloat@stored@label}{}}{\@bidiutefloat@orig@label{\@b

```




```

4093     \usebox{#2}%
4094   }
4095   \@bidituftefloat@float@debug{Caption position: [left]]%
4096 }%
4097 }
4098 \newcommand{\@bidituftefloat@float@fullwidth}[3][Opt]{%
4099   \ifthenelse{\equal{\floatalignment}{b}}{%
4100     {% place caption above figure
4101       \ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}\OR\boolean{@bidituftefloat@float@rect}
4102       {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bidituftefloat@float@debug{Cap
4103       {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bidituftefloat@float@debug{Cap
4104     }}% place caption below figure
4105     \ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}\OR\boolean{@bidituftefloat@float@rect}
4106     {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bidituftefloat@float@debug{Cap
4107     {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bidituftefloat@float@debug{Cap
4108   }}%
4109 }
4110 \renewenvironment{figure}[1][htbp]{%
4111   {\ifvmode\else\unskip\fi\begin{@bidituftefloat@float}[#1]{figure}{}}
4112   {\end{@bidituftefloat@float}}
4113 \renewenvironment{table}[1][htbp]
4114   {\ifvmode\else\unskip\fi\begin{@bidituftefloat@float}[#1]{table}{}}
4115   {\end{@bidituftefloat@float}}
4116 \renewenvironment{figure*}[1][htbp]{%
4117   {\ifvmode\else\unskip\fi\begin{@bidituftefloat@float}[#1]{figure}{star}}
4118   {\end{@bidituftefloat@float}}
4119 \renewenvironment{table*}[1][htbp]{%
4120   {\ifvmode\else\unskip\fi\begin{@bidituftefloat@float}[#1]{table}{star}}
4121   {\end{@bidituftefloat@float}}
4122 \newenvironment{fullwidth}
4123   {\ifthenelse{\boolean{@bidituftefloat@symmetric}}{%
4124     {\ifthenelse{\boolean{@bidituftefloat@changepage}}{\begin{adjustwidth*}{-}\@bidituftefloa
4125     {\begin{adjustwidth}{-}\@bidituftefloat@overhang}}%
4126   }}%
4127   {\ifthenelse{\boolean{@bidituftefloat@symmetric}}{%
4128     {\ifthenelse{\boolean{@bidituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4129     {\end{adjustwidth}}}%
4130 }
4131 \long\def\@caption#1[#2]#3{%
4132   \par%
4133   \addcontentsline{\csname ext@#1\endcsname}{#1}%
4134     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4135   \begingroup%
4136     \@parboxrestore%
4137     \if@minipage%
4138       \setminipage%
4139     \fi%
4140   \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
4141   \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4142   %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par

```




```

4143 \endgroup}
4144 %%
4145 % Turns newlines into spaces. Based on code from the `titlesec' package.
4146 \DeclareRobustCommand{\@bidiufteheading@newlinetospace}{%
4147   \ifstar{\@bidiufteheading@newlinetospace@i}{\@bidiufteheading@newlinetospace@i}%
4148 }
4149 \def\@bidiufteheading@newlinetospace@i{%
4150   \ifdim\lastskip>\z@\else\space\fi
4151   \ignorespaces%
4152 }
4153 \DeclareRobustCommand{\newlinetospace}[1]{%
4154   \let\@bidiufteheading@orig@cr\% save the original meaning of \
4155   \def\{\@bidiufteheading@newlinetospace}% turn \ and \* into \space
4156   \let\newline\% turn \newline into \space
4157   #1%
4158   \let\{\@bidiufteheading@orig@cr% revert to original meaning of \
4159 }
4160 \RequirePackage{fancyhdr}
4161 \pagestyle{fancy}
4162 \AtBeginDocument{%
4163   \ifthenelse{\boolean{@bidiuftefloat@symmetric}}
4164     {\fancyhfoffset[LE,RO]{\@bidiuftefloat@overhang}}
4165     {\fancyhfoffset[RE,RO]{\@bidiuftefloat@overhang}}
4166 }
4167 % The running heads/feet don't have rules
4168 \renewcommand{\headrulewidth}{0pt}
4169 \renewcommand{\footrulewidth}{0pt}
4170 % The 'fancy' page style is the default style for all pages.
4171 \fancyhf{} % clear header and footer fields
4172   \ifthenelse{\boolean{@bidiuftefloat@symmetric}}
4173     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4174     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4175     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4176 % The `plain' page style is used on chapter opening pages.
4177 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4178 % bottom of pages -- the folios are unexpressed.
4179 \fancypagestyle{plain}{
4180   \fancyhf{} % clear header and footer fields
4181   % Uncomment the following five lines of code if you want the opening page
4182   % of the chapter to express the folio in the lower outside corner.
4183   % \ifthenelse{\boolean{@bidiuftefloat@symmetric}}
4184   %   {\fancyfoot[LE,RO]{\thepage}}
4185   %   {\fancyfoot[RE,RO]{\thepage}}
4186 }
4187 % The `empty' page style suppresses all headers and footers.
4188 % It's used on title pages and `intentionally blank' pages.
4189 \fancypagestyle{empty}{
4190   \fancyhf{} % clear header and footer fields
4191 }
4192 \def\morefloats{% provides a total of 52 floats

```



```

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

```



```

4243 \biditytfloatDebugInfoNL{Adding 26 more float slots.}
4244 \newinsert\bx@AA
4245 \newinsert\bx@BB
4246 \newinsert\bx@CC
4247 \newinsert\bx@DD
4248 \newinsert\bx@EE
4249 \newinsert\bx@FF
4250 \newinsert\bx@GG
4251 \newinsert\bx@HH
4252 \newinsert\bx@II
4253 \newinsert\bx@JJ
4254 \newinsert\bx@KK
4255 \newinsert\bx@LL
4256 \newinsert\bx@MM
4257 \newinsert\bx@NN
4258 \newinsert\bx@OO
4259 \newinsert\bx@PP
4260 \newinsert\bx@QQ
4261 \newinsert\bx@RR
4262 \newinsert\bx@SS
4263 \newinsert\bx@TT
4264 \newinsert\bx@UU
4265 \newinsert\bx@VV
4266 \newinsert\bx@WW
4267 \newinsert\bx@XX
4268 \newinsert\bx@YY
4269 \newinsert\bx@ZZ
4270 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4271 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4272 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4273 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4274 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4275 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4276 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4277 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4278 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4279 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4280 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4281 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4282 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4283 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4284 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4285 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4286 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4287 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4288 }{%
4289 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
4290 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
4291 }%
4292 }%

```



```

4293 }
4294 \newboolean{@biditytfloat@packages@subfigure}
4295 \setboolean{@biditytfloat@packages@subfigure}{false}
4296 \AtBeginDocument{%
4297   \ifpackageloaded{subfigure}
4298     {\gsetboolean{@biditytfloat@packages@subfigure}{true}}
4299     {\gsetboolean{@biditytfloat@packages@subfigure}{false}}}%
4300 }
4301 \AtBeginDocument{%
4302   \ifpackageloaded{float}{%
4303     % Save the redefined float environment (instead of the LaTeX float environment)
4304     \let\@biditytfloat@orig@float\@float
4305     \let\@biditytfloat@orig@endfloat\endfloat
4306
4307     % Define Tuftian float styles (with the caption in the margin)
4308     \newcommand{\floatc@biditytfloatplain}[2]{%
4309       \begin{lrbox}{\@biditytfloat@caption@box}%
4310         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
4311           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4312         \end{minipage}%
4313       \end{lrbox}%
4314       \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
4315     }
4316     \newcommand{\fs@biditytfloatplain}{%
4317       \def\@fs@cfont{\@biditytfloat@caption@font}%
4318       \let\@fs@capt\floatc@biditytfloatplain%
4319       \def\@fs@pre{}%
4320       \def\@fs@post{}%
4321       \def\@fs@mid{}%
4322       \let\@fs@iftopcapt\iftrue%
4323     }
4324     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4325     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4326     \newcommand\floatc@biditytfloattruled[2]{%
4327       {\@fs@cfont #1} #2\par%
4328     }
4329     \newcommand\fs@biditytfloattruled{%
4330       \def\@fs@cfont{\@biditytfloat@caption@font}%
4331       \let\@fs@capt\floatc@biditytfloatplain%
4332       \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4333       \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4334       \def\@fs@mid{}%
4335       \let\@fs@iftopcapt\iftrue%
4336     }
4337     \newcommand\fs@biditytfloatboxed{%
4338       \def\@fs@cfont{}%
4339       \let\@fs@capt\floatc@biditytfloatplain%
4340       \def\@fs@pre{%
4341         \setbox\@currbox\vbox{\hbadness10000
4342           \moveleft3.4pt\vbox{\advance\hsize by6.8pt

```



```

4343 \hrule \hbox to\hsize{\vrule\kern3pt
4344 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4345 }%
4346 \def\@fs@mid{\kern2pt}%
4347 \def\@fs@post{}%
4348 \let\@fs@iftopcapt@iftrue%
4349 }
4350 }{%
4351 % Nothing to do
4352 }
4353 }
4354 \AtBeginDocument{%
4355 \@ifpackageloaded{algorithm}{%
4356 % Set the float style to the Tufte version
4357 \ifthenelse{\equal{\ALG@floatstyle}{plain}}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}
4358 \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to bidituftestyle}%
4359 \floatstyle{bidituftefloat\ALG@floatstyle}%
4360 \restylefloat{algorithm}%
4361 }{}%
4362 }{%
4363 % Nothing to do
4364 }
4365 }
4366 \PassOptionsToPackage{caption=false}{subfig}

```

7.24 bidityftesidenote.sty

```

4367 \NeedsTeXFormat{LaTeX2e}
4368 \ProvidesPackage{biditytutesidenote}[2015/04/30 v0.3
4369 bidi implementation of tufte sidenote]
4370 \RequirePackage{xifthen}
4371 \RequirePackage{ragged2e}
4372 \RequirePackage{setspace}
4373 \RequirePackage{biditytools}
4374 \def\biditytutesidenotemarginpar{%
4375   \ifhmode
4376     \@bsphack
4377     \@floatpenalty -\@Mii
4378   \else
4379     \@floatpenalty-\@Miii
4380   \fi
4381   \ifinner
4382     \@parmoderr
4383     \@floatpenalty\z@
4384   \else
4385     \@next\@currbox\@freelist{}\{}%
4386     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4387       {\@floatpenalty\z@
4388         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@t
4389   \fi

```



```

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

```



```

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

```



```

4490     \vtop{%
4491         \hsize\marginparwidth
4492         \@parboxrestore
4493         \@RTLbidiuftesidenotemarginparreset
4494         #2%
4495         \@minipagefalse
4496         \outer@nobreak
4497     }%
4498     \color@endbox
4499 }
4500 \def \@RTLbidiuftesidenotemarginparreset {%
4501     \reset@font
4502     \normalsize
4503     \@minipagetrue
4504     \everypar{\@minipagefalse\everypar{}\beginR}%
4505 }
4506 \newcommand{\@bidiuftesidenote@marginfont}{\normalfont\footnotesize}
4507 \newcommand*{\@bidiuftesidenote@sidenote@font}{\@bidiuftesidenote@marginfont}
4508 \newcommand*{\@bidiuftesidenote@marginnote@font}{\@bidiuftesidenote@marginfont}
4509 \newcommand*{\@bidiuftesidenote@citation@font}{\@bidiuftesidenote@marginfont}
4510 \newcommand*{\@bidiuftelTRsidenote@citation@font}{\@bidiuftesidenote@marginfont}
4511 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidiuftesidenote@sidenote@font}{#1}}
4512 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidiuftesidenote@marginnote@font}{#1}}
4513 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidiuftesidenote@citation@font}{#1}}
4514 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidiuftelTRsidenote@citation@font}{#1}}
4515 \newcommand*{\@bidiuftesidenote@sidenote@justification}{\@bidiuftesidenote@justification@au}
4516 \newcommand*{\@bidiuftesidenote@marginnote@justification}{\@bidiuftesidenote@justification@au}
4517 \newcommand*{\@bidiuftesidenote@citation@justification}{\@bidiuftesidenote@justification@au}
4518 \newcommand*{\@bidiuftesidenote@justification@autodetect}{\justifying}%
4519 \newcommand{\@bidiuftesidenote@margin@par}{%
4520     \setlength{\RaggedRightParindent}{0.5pc}%
4521     \setlength{\JustifyingParindent}{0.5pc}%
4522     \setlength{\parindent}{0.5pc}%
4523     \setlength{\parskip}{0pt}%
4524 }
4525 %%
4526 % Globally sets the length
4527 \ifundefined{gsetlength}{%
4528 \newcommand*{\gsetlength}[2]{%
4529     \setlength{#1}{#2}%
4530 \global#1=#1\relax%
4531 }%
4532 }{}
4533 %%
4534 % Globally sets a boolean
4535 \ifundefined{gsetboolean}{%
4536 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
4537     \lowercase{\def\@tempa{#2}}%
4538     \ifundefined{@tempa}{\@tempa}%
4539     {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%

```




```

4540 {\@ifundefined{#1\@tempa}%
4541 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
4542 {\global\csname#1\@tempa\endcsname}%
4543 }%
4544 }%
4545 }{}
4546 %%
4547 % A function that removes leading and trailing spaces from the supplied macro.
4548 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4549 % Executing \@bidiuftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4550 % being trimmed of leading and trailing white space.
4551 \catcode`\Q=3
4552 \def\@bidiuftesidenote@trim@spaces#1{%
4553 % Use grouping to emulate a multi-token afterassignment queue
4554 \begingroup%
4555 % Put \toks 0 {' into the afterassignment queue
4556 \aftergroup\toks\aftergroup0\aftergroup{%
4557 % Apply \trimb to the replacement text of #1, adding a leading
4558 % \noexpand to prevent brace stripping and to serve another purpose
4559 % later.
4560 \expandafter\@bidiuftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4561 % Transfer the trimmed text back into #1.
4562 \edef#1{\the\toks0}%
4563 }
4564 % \trimb removes a trailing space if present, then calls \@bidiuftesidenote@trim@c to
4565 % clean up any leftover bizarre Qs, and trim a leading space. In
4566 % order for \trimc to work properly we need to put back a Q first.
4567 \def\@bidiuftesidenote@trim@b#1 Q{\@bidiuftesidenote@trim@c#1Q}
4568 % Execute \vfuzz assignment to remove leading space; the \noexpand
4569 % will now prevent unwanted expansion of a macro or other expandable
4570 % token at the beginning of the trimmed text. The \endgroup will feed
4571 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4572 \def\@bidiuftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4573 \catcode`\Q=11
4574 %%
4575 % Citations should go in the margin as sidenotes
4576
4577 \RequirePackage{natbib}
4578 \RequirePackage{bibentry} % allows bibitems to be typeset outside the bibliography environment
4579 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4580 \renewcommand\BR@b@bibitem[2][]{%
4581 \ifthenelse{\isempty{#1}}{%
4582 {\BR@bibitem{#2}}%
4583 {\BR@bibitem{#1}{#2}}%
4584 \BR@c@bibitem{#2}%
4585 }
4586 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4587 %%
4588 % Normal \cite behavior
4589 \newcounter{@bidiuftesidenote@num@bibkeys}%

```



```

4590 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
4591 % Snag the last bibentry in the list for later comparison
4592 \let\@temp@last@bibkey\@empty%
4593 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4594 \sidenote[] [#1]{%
4595 % Loop through all the bibentries, separating them with semicolons and spaces
4596 \normalsize\normalfont\@bidityftesidenote@citation@font%
4597 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4598 \@for\@temp@bibkeyx:=#2\do{%
4599 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4600 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4601 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4602 \bibentry{\@temp@bibkeyx}}%
4603 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4604 \bibentry{\@temp@bibkeyx};\ }%
4605 \stepcounter{\@bidityftesidenote@num@bibkeys}%
4606 }%
4607 }%
4608 }
4609 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
4610 % Snag the last bibentry in the list for later comparison
4611 \let\@temp@last@bibkey\@empty%
4612 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4613 \LTRsidenote[] [#1]{%
4614 % Loop through all the bibentries, separating them with semicolons and spaces
4615 \normalsize\normalfont\@bidityfteLTRsidenote@citation@font%
4616 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4617 \@for\@temp@bibkeyx:=#2\do{%
4618 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4619 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4620 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4621 \bibentry{\@temp@bibkeyx}}%
4622 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4623 \bibentry{\@temp@bibkeyx};\ }%
4624 \stepcounter{\@bidityftesidenote@num@bibkeys}%
4625 }%
4626 }%
4627 }
4628 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
4629 % Snag the last bibentry in the list for later comparison
4630 \let\@temp@last@bibkey\@empty%
4631 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4632 \RTLsidenote[] [#1]{%
4633 % Loop through all the bibentries, separating them with semicolons and spaces
4634 \normalsize\normalfont\@bidityftesidenote@citation@font%
4635 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4636 \@for\@temp@bibkeyx:=#2\do{%
4637 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4638 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4639 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

4640         \bibentry{\@temp@bibkeyx}}%
4641     {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4642         \bibentry{\@temp@bibkeyx};\ }%
4643     \stepcounter{@bidityftesidenote@num@bibkeys}%
4644 }%
4645 }%
4646 }
4647 %%
4648 % Macros for holding the list of cite keys until after the \sidenote
4649 \gdef\@bidityftesidenote@citations{}% list of cite keys
4650 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4651     \ifx\@bidityftesidenote@citations\@empty\else
4652         \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4653     \fi
4654     \g@addto@macro\@bidityftesidenote@citations{#1}
4655 }
4656 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4657     % Snag the last bibentry in the list for later comparison
4658     \let\@temp@last@bibkey\@empty%
4659     \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4660     \marginpar{%
4661         \hbox{\vspace*{#1}}%
4662         \@bidityftesidenote@citation@font%
4663         \@bidityftesidenote@citation@justification%
4664         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4665         \vspace*{-1\baselineskip}%
4666     % Loop through all the bibentries, separating them with semicolons and spaces
4667     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4668     \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4669         \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4670         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4671         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4672         \bibentry{\@temp@bibkeyx}}%
4673         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4674         \bibentry{\@temp@bibkeyx};\ }%
4675         \stepcounter{@bidityftesidenote@num@bibkeys}%
4676     }%
4677 }%
4678 }
4679 %%
4680 % \cite behavior when executed within a sidenote
4681 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4682 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
4683     \@bidityftesidenote@add@citation{#1}
4684 }
4685 %%
4686 % Set the default \cite style. This is set and reset by the \sidenote command.
4687 \let\cite\@bidityftesidenote@normal@cite
4688 \let\LTRcite\@bidityftelTRsidenote@normal@cite
4689 \let\RTLcite\@bidityfteRTLsidenote@normal@cite

```



```

4690 %%
4691 % Transform existing \footnotes into \sidenotes
4692 % Sidenote: ``Where God meant footnotes to go.' ' ---bidityftesidenote
4693 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4694 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
4695 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
4696 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4697 % sidenote's text block.
4698 \bidityftesidenote@patch@AfterPackage{bidity}{\long\def\@makefnmark#1{\@textsuperscript{\@bidityftesidenote@font\@bidityftesidenote@font}}
4699 % Set the in-text footnote mark in the same typeface as the body text itself.
4700 \bidityftesidenote@patch@AfterPackage{bidity}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@font\@bidityftesidenote@font}}
4701 \providecommand*\@multiplefootnotemark}{3sp}
4702 \providecommand*\@multifootsep}{,}
4703 \bidityftesidenote@patch@AfterPackage{bidity}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@font\@bidityftesidenote@font}}
4704 \renewcommand*\@footnotemark}{\@bidityftesidenote@font\@bidityftesidenote@font}
4705 \leavevmode%
4706 \ifhmode%
4707 \edef\@x@sf{\the\spacefactor}%
4708 \bidityftesidenote@check@multiple@sidenotes%
4709 \nobreak%
4710 \fi%
4711 \@makefnmark%
4712 \ifhmode\spacefactor\@x@sf\fi%
4713 \relax%
4714 }%
4715 }
4716 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
4717 \ifdim\lastkern=\@multiplefootnotemark\relax%
4718 \edef\@x@sf{\the\spacefactor}%
4719 \unkern%
4720 \textsuperscript{\multifootsep}%
4721 \spacefactor\@x@sf\relax%
4722 \fi
4723 }
4724 \bidityftesidenote@patch@AfterPackage{bidity}{%
4725 \renewcommand\@footnotetext[2][0pt]{%
4726 \bidityftesidenote@marginpar{%
4727 \hbox{\vspace*{#1}%
4728 \def\baselinestretch{\set@space@singlespace}%
4729 \reset@font\footnotesize%
4730 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4731 \vspace*{-1\baselineskip}\noindent%
4732 \protected@edef\@currentlabel{%
4733 \csname p@footnote\endcsname\@thefnmark%
4734 }%
4735 \color@begingroup%
4736 \makefnmark%
4737 \ignorespaces#2%
4738 }%
4739 \color@endgroup%

```



```

4740 }%
4741 }%
4742 \renewcommand\@LTRfootnotetext[2][Opt]{%
4743   \LTRbidiuftesidenotemarginpar{%
4744     \hbox{}\vspace*{#1}%
4745     \def\baselinestretch {\setspace@singlespace}%
4746     \reset@font\footnotesize%
4747     \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
4748     \vspace*{-1\baselineskip}\noindent%
4749     \protected@edef\@currentlabel{%
4750       \csname p@footnote\endcsname\@thefnmark%
4751     }%
4752     \color@begingroup%
4753       \@makefntext{%
4754         \ignorespaces#2%
4755       }%
4756     \color@endgroup%
4757   }%
4758 }%
4759 \renewcommand\@RTLfootnotetext[2][Opt]{%
4760   \RTLbidiuftesidenotemarginpar{%
4761     \hbox{}\vspace*{#1}%
4762     \def\baselinestretch {\setspace@singlespace}%
4763     \reset@font\footnotesize%
4764     \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
4765     \vspace*{-1\baselineskip}\noindent%
4766     \protected@edef\@currentlabel{%
4767       \csname p@footnote\endcsname\@thefnmark%
4768     }%
4769     \color@begingroup%
4770       \@makefntext{%
4771         \ignorespaces#2%
4772       }%
4773     \color@endgroup%
4774   }%
4775 }%
4776 }
4777 %
4778 % Define \sidenote command. Can handle \cite.
4779 \newlength{\@bidiuftesidenote@sidenote@vertical@offset}
4780 \setlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}
4781 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4782 \long\def\@bidiuftesidenote@sidenote[#1][#2]#3{%
4783   \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command
4784   \gdef\@bidiuftesidenote@citations{}% clear out any old citations
4785   \ifthenelse{\NOT\isempty{#2}}{%
4786     \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
4787   }{%
4788     \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}%
4789   }%

```



```

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

```



```

4840 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
4841 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4842 \gdef\@bidityftesidenote@citations{% clear out any old citations
4843 \ifthenelse{\NOT\isempty{#2}}{%
4844 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4845 }{%
4846 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4847 }%
4848 \ifthenelse{\isempty{#1}}{%
4849 % no specific footnote number provided
4850 \stepcounter\@mpfn%
4851 \protected@xdef\@thefnmark{\thempfn}%
4852 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4853 }{%
4854 % specific footnote number provided
4855 \begingroup%
4856 \csname c@\@mpfn\endcsname #1\relax%
4857 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4858 \endgroup%
4859 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4860 }%
4861 \@bidityftesidenote@print@citations% print any citations
4862 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4863 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4864 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4865 \unskip\ignorespaces% remove extra white space
4866 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4867 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4868 }
4869 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
4870 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
4871 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
4872 \bidi@patch@AfterPackage{bidi}{%
4873 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
4874 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
4875 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
4876 }
4877 %%
4878 % Sidenote without the footnote mark
4879 \newcommand\marginnote[2][Opt]{%
4880 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4881 \gdef\@bidityftesidenote@citations{% clear out any old citations
4882 \bidityftesidenotemarginpar{\hbox{\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4883 \@bidityftesidenote@print@citations% print any citations
4884 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4885 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4886 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4887 }
4888 \newcommand\LTRmarginnote[2][Opt]{%
4889 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command

```



```

4890 \gdef\@bidityftesidenote@citations{%          clear out any old citations
4891 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4892 \@bidityftesidenote@print@citations%          print any citations
4893 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
4894 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4895 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4896 }
4897 \newcommand\RTLmarginnote[2][Opt]{%
4898 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4899 \gdef\@bidityftesidenote@citations{%          clear out any old citations
4900 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4901 \@bidityftesidenote@print@citations%          print any citations
4902 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
4903 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4904 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4905 }

```

7.25 bidityftetoc.sty

```

4906 \NeedsTeXFormat{LaTeX2e}
4907 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
4908 bidi implementation of tufte toc]
4909 \RequirePackage{titlesec,titletoc,xifthen,bidityftools}
4910 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
4911 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
4912 %%
4913 % Turn off section numbering
4914 \setcounter{secnumdepth}{-1}
4915 \newboolean{@bidityftetoc@toc}
4916 \setboolean{@bidityftetoc@toc}{true}
4917 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
4918 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
4919 \ProcessOptions
4920 %%
4921 % Make Tufte-style section headings and TOC formatting
4922 \bidityft@patch@AfterPackage{bidi}{%
4923 \titleformat{\chapter}%
4924 [display]% shape
4925 {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format app
4926 {\itshape\huge\thechapter}% label
4927 {0pt}% horizontal separation between label and title body
4928 {\huge\rmfamily\itshape}% before the title body
4929 [\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title bo
4930 \titleformat{\section}%
4931 [hang]% shape
4932 {\normalfont\Large\itshape}% format applied to label+text
4933 {\thesection}% label
4934 {1em}% horizontal separation between label and title body
4935 {}% before the title body
4936 []% after the title body

```




```

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

```



```

4987 [Oem] % distance from left margin
4988 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting
4989 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4990 {\hspace*{0em}} % before w/o label
4991 {\rmfamily\upshape\qqad\thecontentspage} % filler + page (leaders and page num)
4992 [\end{fullwidth}] % after
4993 \titlecontents{section}% FIXME
4994 [Oem] % distance from left margin
4995 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting
4996 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4997 {\hspace*{2em}} % before w/o label
4998 {\rmfamily\upshape\qqad\thecontentspage} % filler + page (leaders and page num)
4999 [\end{fullwidth}] % after
5000 \titlecontents{subsection}% FIXME
5001 [Oem] % distance from left margin
5002 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting
5003 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5004 {\hspace*{4em}} % before w/o label
5005 {\rmfamily\upshape\qqad\thecontentspage} % filler + page (leaders and page num)
5006 [\end{fullwidth}] % after
5007 \titlecontents{paragraph}% FIXME
5008 [Oem] % distance from left margin
5009 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global forma
5010 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5011 {\hspace*{6em}} % before w/o label
5012 {\rmfamily\upshape\qqad\thecontentspage} % filler + page (leaders and page num)
5013 [\end{fullwidth}] % after
5014 }%
5015 }{}
5016 %%
5017 % Format lists of figures/tables
5018 \renewcommand\listoffigures{%
5019 \@ifundefined{chapter}%
5020 {\section*{\listfigurename}}%
5021 {\chapter*{\listfigurename}}%
5022 % \begin{fullwidth}%
5023 % \starttoc{lof}%
5024 % \end{fullwidth}%
5025 }
5026 \renewcommand\listoftables{%
5027 \@ifundefined{chapter}%
5028 {\section*{\listtablename}}%
5029 {\chapter*{\listtablename}}%
5030 % \begin{fullwidth}%
5031 % \starttoc{lot}%
5032 % \end{fullwidth}%
5033 }
5034 \newcommand{\@bidiuftetoc@lof@line}[2]{%
5035 % #1 is the figure/table number and its caption text
5036 % #2 is the page number on which the figure/table appears

```



```

5037 \leftskip 0.0em
5038 \rightskip 0em
5039 \parfillskip 0em plus 1fil
5040 \parindent 0.0em
5041 \@afterindenttrue
5042 \interlinepenalty\@M
5043 \leavevmode
5044 \@tempdima 2.0em
5045 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5046 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5047 {#1}\nobreak\qqquad\nobreak#2%
5048 \par%
5049 }
5050 \renewcommand*\l@figure{\@biditytftoc@lof@line}
5051 \let\l@table\l@figure

```

7.26 biditytftgeneralstructure.sty

```

5052 \NeedsTeXFormat{LaTeX2e}
5053 \ProvidesPackage{biditytftgeneralstructure}[2011/06/18 v0.1
5054 bidi implementation of tufte general structure]
5055 \renewcommand\small{%
5056   \@setfontsize\small\@ixpt{12}%
5057   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5058   \abovedisplayshortskip \z@ \@plus2\p@
5059   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5060   \def\@listi{\leftmargin\leftmargini
5061     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5062     \parsep 2\p@ \@plus\p@ \@minus\p@
5063     \itemsep \parsep}%
5064   \belowdisplayskip \abovedisplayskip
5065 }
5066 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5067 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5068 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5069 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5070 \renewcommand\LARGE{\@setfontsize\LARGE\@xvpt{18}}
5071 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5072 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5073 \setlength\leftmargini {1pc}
5074 \setlength\leftmarginii {1pc}
5075 \setlength\leftmarginiii {1pc}
5076 \setlength\leftmarginiv {1pc}
5077 \setlength\leftmarginv {1pc}
5078 \setlength\leftmarginvi {1pc}
5079 \setlength\labelsep {0.5pc}
5080 \setlength\labelwidth {\leftmargini}
5081 \addtolength\labelwidth{-\labelsep}
5082 \setlength{\parindent}{1.0pc}%
5083 \setlength{\parskip}{0pt}%

```



```

5084 \RequirePackage{ragged2e}
5085 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5086 % Paragraph indentation and separation for normal text
5087 \newcommand{\@bidiuftgeneralstructure@reset@par}{%
5088   \setlength{\RaggedRightParindent}{1.0pc}%
5089   \setlength{\JustifyingParindent}{1.0pc}%
5090   \setlength{\parindent}{1pc}%
5091   \setlength{\parskip}{0pt}%
5092 }
5093 \@bidiuftgeneralstructure@reset@par
5094 % Require paralist package for tighter lists
5095 \RequirePackage{paralist}
5096 % Add rightmargin to compactenum
5097 \def\@compactenum@{%
5098   \expandafter\list\csname label\@enumctr\endcsname{%
5099     \usecounter{\@enumctr}%
5100     \rightmargin=2em% added this
5101     \parsep\plparsep
5102     \itemsep\plitemsep
5103     \topsep\pltopsep
5104     \partopsep\plpartopsep
5105     \def\makelabel##1{\hss\llap{##1}}}}
5106 %%
5107 % An environment for paragraph-style section
5108 \providecommand\newthought[1]{%
5109   \advvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5110   \noindent\textbf{#1}%
5111 }
5112 %%
5113 % Redefine the display environments (quote, quotation, etc.)
5114 \renewenvironment{verse}
5115   {\let\\\@centercr
5116    \list{}{\itemsep \z@
5117             \itemindent -1pc%
5118             \listparindent\itemindent
5119             \rightmargin \leftmargin
5120             \advance\leftmargin 1pc}%
5121    \small%
5122    \item\relax}
5123   {\endlist}
5124 \renewenvironment{quotation}
5125   {\list{}{\listparindent 1pc%
5126             \itemindent \listparindent
5127             \rightmargin \leftmargin
5128             \parsep \z@ \@plus\p@}%
5129    \small%
5130    \item\relax\noindent\ignorespaces}
5131   {\endlist}
5132 \renewenvironment{quote}
5133   {\list{}{\rightmargin\leftmargin}%

```



```

5134             \small%
5135             \item\relax}
5136         {\endlist}
5137 % Italicize description run-in headings (instead of the default bold)
5138 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5139 %%
5140 % Redefine \bibsection to not mark the running heads.
5141 % (Code modified from natbib.sty.)
5142 \ifundefined{chapter}%
5143   {\renewcommand\bibsection{\section*{\refname}}}
5144   {\ifundefined{NAT@sectionbib}%
5145     {\renewcommand\bibsection{\chapter{\bibname}}}
5146     {\renewcommand\bibsection{\section*{\bibname}}}}
5147 \RequirePackage{multicol}
5148 \renewenvironment{theindex}{%
5149   \ifundefined{chapter}%
5150     {\section*{\indexname}}%
5151     {\chapter{\indexname}}%
5152   \begin{fullwidth}%
5153     \small%
5154     \parskip0pt%
5155     \parindent0pt%
5156     \let\item\@idxitem%
5157     \begin{multicols}{3}%
5158   }{%
5159     \end{multicols}%
5160     \end{fullwidth}%
5161 }
5162 \AtBeginDocument{%
5163   \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5164   \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5165   \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5166   \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5167   \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

7.27 **bidituftehyperref.sty**

```

5168 \NeedsTeXFormat{LaTeX2e}
5169 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5170 bidi implementation of tufte hyperref]
5171 %%
5172 % Color
5173 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5174 \newboolean{@bidituftehyperref@loadhyper}
5175 \setboolean{@bidituftehyperref@loadhyper}{true}
5176 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5177 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
5178 \ProcessOptions
5179 %% Loads the hyperref package and sets some default options.
5180 \newcommand{\bidituftehyperrefLoadHyperref}{%

```



```

5181 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5182 \hypersetup{%
5183     bookmarksdepth = section,
5184     citecolor = DarkGreen,
5185     linkcolor = DarkBlue,
5186 %    pagecolor = DarkBlue,
5187     urlcolor = DarkGreen,
5188 }%
5189 }
5190 \ifthenelse{\boolean{@biditufttehyperref@loadhyper}}{%
5191     \biditufttehyperrefLoadHyperref%
5192 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5193     \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5194 }

```

7.28 biditufttitle.sty

```

5195 \NeedsTeXFormat{LaTeX2e}
5196 \ProvidesPackage{biditufttitle}[2011/06/18 v0.1
5197 bidi implementation of tufte title]
5198 \RequirePackage{biditools}
5199 %%
5200 % `titlepage' option -- creates a full title page with \maketitle
5201 \newboolean{@biditufttitle@titlepage}
5202 \DeclareOption{titlepage}{\setboolean{@biditufttitle@titlepage}{true}}
5203 \DeclareOption{notitlepage}{\setboolean{@biditufttitle@titlepage}{false}}
5204 % Default `book' and `handout' options
5205 \ifclassloaded{book}{%
5206 \ExecuteOptions{titlepage}}{%
5207 \ifclassloaded{article}{%
5208 \ExecuteOptions{notitlepage}}%
5209 {}}
5210 \ProcessOptions
5211 %%
5212 % Modified \title, \author, and \date commands. These store the
5213 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
5214 \newcommand{\plaintitle}{}% plain-text-only title
5215 \newcommand{\plainauthor}{}% plain-text-only author
5216 \newcommand{\plainpublisher}{}% plain-text-only publisher
5217 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5218 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5219 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5220 \newcommand{\@publisher}{}% full publisher with \thanks{}
5221 \newcommand{\thedata}{\today}
5222 \bidi@patch@AfterPackage{bidi}{%
5223 \renewcommand{\thanks}[1]{\footnote{#1}}
5224 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5225 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5226 }
5227 \renewcommand{\title}[2][]{%

```



```

5228 \gdef\@title{#2}%
5229 \begingroup%
5230 % TODO store contents of \thanks command
5231 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5232 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5233 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5234 \protected@xdef\thanklesstitle{#2}%
5235 \endgroup%
5236 \ifthenelse{\isempty{#1}}%
5237 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5238 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5239 \@ifundefined{hypersetup}%
5240 {}% hyperref is not loaded; do nothing
5241 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5242 }
5243 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5244 \renewcommand{\author}[2][]{%
5245 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5246 \begingroup%
5247 % TODO store contents of \thanks command
5248 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5249 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5250 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5251 \protected@xdef\thanklessauthor{#2}%
5252 \endgroup%
5253 \ifthenelse{\isempty{#1}}%
5254 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5255 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5256 \@ifundefined{hypersetup}%
5257 {}% hyperref is not loaded; do nothing
5258 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5259 }
5260 \renewcommand{\date}[1]{%
5261 \gdef\@date{#1}%
5262 \begingroup%
5263 % TODO store contents of \thanks command
5264 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5265 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5266 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5267 \protected@xdef\thedata{#1}%
5268 \endgroup%
5269 }
5270 %%
5271 % Provides a \publisher command to set the publisher
5272 \newcommand{\publisher}[2][]{%
5273 \gdef\@publisher{#2}%
5274 \begingroup%
5275 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5276 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5277 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents

```



```

5278 \protected@xdef\thanklesspublisher{#2}%
5279 \endgroup%
5280 \ifthenelse{\isempty{#1}}
5281 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5282 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5283 }
5284 %%
5285 % Produces a full title page
5286 \newcommand{\maketitlepage}[0]{%
5287 \cleardoublepage%
5288 {%
5289 \bfseries%
5290 \begin{fullwidth}%
5291 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5292 \vspace{11.5pc}%
5293 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5294 \vfill%
5295 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5296 \end{fullwidth}%
5297 }
5298 \thispagestyle{empty}%
5299 \clearpage%
5300 }
5301 %%
5302 % Title block
5303 \bidi@AfterEndPreamble{%
5304 \renewcommand{\maketitle}{%
5305 \newpage%
5306 \global\@topnum\z@% prevent floats from being placed at the top of the page
5307 \begin{group}%
5308 \setlength{\parindent}{0pt}%
5309 \setlength{\parskip}{4pt}%
5310 \let\@title\@empty%
5311 \let\@author\@empty%
5312 \let\@date\@empty%
5313 \gdef\@title{\LARGE\itshape\@title\par}%
5314 \gdef\@author{\Large\itshape\@author\par}%
5315 \gdef\@date{\Large\itshape\@date\par}%
5316 \@title%
5317 \@author%
5318 \@date%
5319 \end{group}%
5320 \thispagestyle{plain}}% suppress the running head
5321 }%
5322 }
5323 %%
5324 % Title page (if the 'titlepage' option was passed to the bidentitetitle-handout
5325 % class.)
5326 \bidi@AfterEndPreamble{%
5327 \ifthenelse{\boolean{@bidentitetitle@titlepage}}

```




```

5328 {\renewcommand{\maketitle}{\maketitlepage}}
5329 {}
5330 }
5331 %%
5332 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5333 % without headers and footers
5334 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5335   \hbox{}
5336   %\vspace*{\fill}
5337   %\begin{center}
5338   % This page intentionally contains only this sentence.
5339   %\end{center}
5340   %\vspace{\fill}
5341   \thispagestyle{empty}
5342   \newpage
5343   \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

7.29 biditufte-handout.cls

```

5344 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5345 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
5346 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5347 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5348 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5349 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5350 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5351 \ProcessOptions\relax
5352 \LoadClass{article}
5353 \RequirePackage{bidituftefloat}
5354 \RequirePackage{bidituftesidenote}
5355 \RequirePackage{bidituftetoc}
5356 \RequirePackage{bidituftegeneralstructure}
5357 \RequirePackage{bidituftehyperref}
5358 \RequirePackage{bidituftetitle}
5359 \renewenvironment{abstract}
5360   {\begin{quotation}}
5361   {\end{quotation}}
5362 \AtBeginDocument{%
5363   \IfFileExists{biditufte-handout.cfg}
5364     {\input{biditufte-handout.cfg}}
5365     \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5366   {}%
5367 }

```

7.30 biditufte-book.cls

```

5368 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5369 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5370 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5371 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5372 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}

```



```

5373 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{\biditytfehyperref}}
5374 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{\bidityftetitle}}
5375 \ProcessOptions\relax
5376 \LoadClass{book}
5377 \RequirePackage{biditytffloat}
5378 \RequirePackage{bidityftesidenote}
5379 \RequirePackage{bidityftetoc}
5380 \RequirePackage{bidityftegeneralstructure}
5381 \RequirePackage{bidityftehyperref}
5382 \RequirePackage{bidityftetitle}
5383 %%
5384 % Set up any book-specific stuff now
5385 %%
5386 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5387 % to the opening page of Chapter 1. The running heads, when they appear,
5388 % contain only the (arabic) page number in the outside corner.
5389 %\newif\if@mainmatter \@mainmattertrue
5390 \renewcommand\frontmatter{%
5391   \cleardoublepage%
5392   \@mainmatterfalse%
5393   \pagenumbering{arabic}%
5394   %\pagestyle{plain}%
5395   \fancyhf{}%
5396   \ifthenelse{\boolean{@biditytffloat@twoside}}{%
5397     {\fancyhead[LE,RO]{\thepage}}%
5398     {\fancyhead[RE,RO]{\thepage}}%
5399   }
5400 %%
5401 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5402 % numbering---it continues where it left off in the front matter.
5403 \renewcommand\mainmatter{%
5404   \cleardoublepage%
5405   \@mainmattertrue%
5406   \fancyhf{}%
5407   \ifthenelse{\boolean{@biditytffloat@twoside}}{%
5408     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}%
5409     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5410     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5411     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5412   }
5413 %%
5414 % The back matter contains appendices, indices, glossaries, endnotes,
5415 % bibliographies, list of contributors, illustration credits, etc.
5416 \renewcommand\backmatter{%
5417   \if@openright%
5418     \cleardoublepage%
5419   \else%
5420     \clearpage%
5421   \fi%
5422   \@mainmatterfalse%

```



```

5423 }
5424 %%
5425 % Only show the chapter titles in the table of contents
5426 \setcounter{tocdepth}{0}
5427 \AtBeginDocument{%
5428 \IfFileExists{biditufte-book.cfg}
5429 {\input{biditufte-book.cfg}
5430 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5431 {}%
5432 }

```

7.31 bidipoem.sty

```

5433 \NeedsTeXFormat{LaTeX2e}
5434 \ProvidesPackage{bidipoem}%
5435 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5436
5437 % Usage:
5438 %
5439 % \Setversedim #1#2 % define the layout (within a group):
5440 % #1 = length of both half-verses
5441 % #2 = separation distance = length of a connection, if present
5442 % Variant:
5443 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5444 % #1 = length of first (=right) half-verse
5445 % #2 = length of second (=left) half-verse
5446 % #3 = separation distance = length of a connection, if present
5447 %
5448 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5449 % #1 = text of first (=right) half-verse
5450 % #2 = text of second (=left) half-verse
5451 % Variant:
5452 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5453 % #1 = text of first (=right) half-verse
5454 % #2 = text of connection
5455 % #3 = text of second (=left) half-verse
5456 %
5457 % Alternative (if preferred):
5458 %
5459 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5460
5461
5462 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5463
5464 % define the layout, verses will be centered
5465
5466 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5467 \newdimen \bidipoem@hvind \newdimen \bidipoem@chvlen
5468
5469 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]

```



```

5470 \bidipoem@hvind \textwidth
5471 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5472 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5473 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5474
5475 \def \bidipoem@set@verseI [#1]{% optional parameter
5476 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5477
5478 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5479 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5480 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5481
5482 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5483 \ifdim Opt > \bidipoem@hvind %
5484 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
5485 \else
5486 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5487 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5488 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5489 \par }
5490
5491 % macro for two half verses
5492 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5493 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}}]
5494 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi
5495 \bidipoem@half@verses@next}
5496
5497 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5498 \traditionalconnverses {#1}{#2}{#3}}
5499
5500
5501 {\catcode\^^M=\active % these lines must end with %
5502 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5503 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5504 {\catcode\^^M=\active % these lines must end with %
5505 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
5506 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5507 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5508 \def\poemmarginsskip{1em plus 1fil minus 1em}
5509 \def\poemextrabaselineskip{0\baselineskip}
5510 \def\poemsskip{\medskip}
5511 \newcommand{\bidipoem@openbox}{\leavevmode
5512 \hbox to.77778em{%
5513 \hfil\vrule
5514 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5515 \vrule\hfil}}
5516 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5517 \newdimen\versewidth
5518 \newtoks\bidipoem@p@ftn
5519 \def\poem@verse#1{%

```



```

5520 \ifdim\wd#1>\new@poem@width
5521 \xdef\new@poem@width{\the\wd#1}%
5522 \ifdim\new@poem@width>\poem@width
5523 \xdef\poem@width{\new@poem@width}%
5524 \global\let\poem@needrun\relax
5525 \fi
5526 \fi
5527 \hbox to\poem@width{\unhbox#1}%
5528 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5529 }
5530 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmargin\skip\relax}
5531 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
5532 \def\poem@lineversesep{%
5533 \nobreak
5534 \hskip\z@ plus 1filll%
5535 \penalty600%
5536 \hskip\poemcolsepskip
5537 \hskip\z@ plus -2filll%
5538 \vadjust{}}%
5539 \nobreak
5540 \hskip\z@ plus 1filll%
5541 }
5542 \def\poem@lineparsebegin{%
5543 \halign\bgroup
5544 \global\setbox\verse@i=\hbox{%
5545 \let\@footnotetext\bidipoem@p@ftntext%
5546 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5547 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5548 \let\@xfootnotenext\bidipoem@p@xftntext%
5549 \let\@xfootnote\bidipoem@p@xfootnote%
5550 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5551 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5552 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5553 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5554 \ignorespaces##\unskip}&&
5555 \global\setbox\verse@ii=\hbox{%
5556 \let\@footnotetext\bidipoem@p@ftntext%
5557 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5558 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5559 \let\@xfootnotenext\bidipoem@p@xftntext%
5560 \let\@xfootnote\bidipoem@p@xfootnote%
5561 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5562 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5563 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5564 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5565 \ignorespaces##\unskip}
5566 \cr
5567 }
5568 \def\poem@lineparseend{%
5569 \crcr\egroup

```



```

5570 \vskip-\baselineskip
5571 }
5572 \def\traditionalpoem@cr{%
5573   \cr\poem@line
5574 }
5575 \newbox\verse@i
5576 \newbox\verse@ii
5577 \newif\ifpoem@started
5578
5579 \def\poem@line{%
5580 \poem@lineparseend
5581 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5582 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5583 \ifpoem@started
5584   \ifdim\wd\verse@ii>\z@\else
5585     \nopagebreak[3]
5586     \fi
5587     \leavevmode
5588     \poem@linebegin
5589     \poem@verse\verse@i
5590     \ifdim\wd\verse@ii>\z@
5591       \poem@lineversesep
5592       \poem@verse\verse@ii
5593       \fi
5594       \poem@lineend
5595 % \nopagebreak
5596 \par
5597 \vskip\poemextrabaseskip
5598 \fi
5599 \poem@lineparsebegin
5600 }
5601 \def\@traditionalpoem{%
5602 \stepcounter{poem@no}
5603   \ifnum\max@poem@no<\number\c@poem@no%
5604 \xdef\poem@width{\z@}%
5605   \else
5606 \xdef\poem@width{\poem@prop{poem@width}}%
5607 \fi
5608 \xdef\new@poem@width{\z@}%
5609 \global\versewidth=\poem@width

5610 \poemskip\par
5611 \beginngroup
5612 \tabskip=\z@
5613 \parskip=\z@
5614 \parindent=\z@
5615 \parfillskip=\z@
5616 \rightskip=\z@
5617 \leftskip=\z@
5618 \widowpenalty=10000% No break between verses of the same line.

```



```

5619 \clubpenalty=10000% Same as above. Not really needed.
5620 \def\newblock{\hfil\poemblocksep\hfil\null}%
5621 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5622 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5623 \global\poem@startedfalse
5624 \csname poem@obeylines\endcsname
5625 \let\poem@obeylines\relax
5626 \poem@lineparsebegin
5627 }
5628 \def\endtraditionalpoem{%
5629 \cr
5630 \ifdim\wd\verse@i>z@\poem@line\else\ifdim\wd\verse@ii>z@\poem@line\else
5631 \noalign{%
5632 \skip0=\poemextrabaselineskip
5633 \vskip-\skip0
5634 \vskip-\baselineskip
5635 }%
5636 \fi\fi
5637 \poem@lineparseend
5638 \endgroup
5639 \par
5640 \vskip\baselineskip
5641 \poemskip
5642 \if@nparlist \else
5643 \ifdim\lastskip >z@
5644 \@tempskipa\lastskip \vskip -\lastskip
5645 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5646 \vskip\@tempskipa
5647 \fi
5648 \@endparenv
5649 \fi
5650 \ifdim\new@poem@width<\poem@width
5651 \global\let\poem@needrun\relax
5652 \fi
5653 \poem@write@aux{\poem@width@romannumeral\c@poem@no}{\new@poem@width}%
5654 \ifx\AtEndDocument\undefined\poem@finish\fi
5655 }
5656
5657
5658 \long\def\bidipoem@p@ftntext#1{%
5659 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@{\mpfn}\endcsname]}}%
5660 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
5661 \long\def\bidipoem@p@LTRftntext#1{%
5662 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@{\mpfn}\endcsname]}}%
5663 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5664 \long\def\bidipoem@p@RTLftntext#1{%
5665 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@{\mpfn}\endcsname]}}%
5666 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5667
5668 \long\def\bidipoem@p@xftntext[#1]#2{%

```



```

5669 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}
5670
5671 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5672 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5673
5674 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5675 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5676
5677 \def\bidipoem@p@xfootnote[#1]{%
5678 \begingroup
5679 \csname c@\mpfn\endcsname #1\relax
5680 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5681 \endgroup
5682 \@footnotemark\bidipoem@p@xftntext[#1]}
5683
5684 \def\bidipoem@p@xLTRfootnote[#1]{%
5685 \begingroup
5686 \csname c@\mpfn\endcsname #1\relax
5687 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5688 \endgroup
5689 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5690
5691 \def\bidipoem@p@xRTLfootnote[#1]{%
5692 \begingroup
5693 \csname c@\mpfn\endcsname #1\relax
5694 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5695 \endgroup
5696 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5697
5698
5699
5700 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5701 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
5702 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5703 \def\poem@finish{%
5704 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5705 \ifx\poem@needrun\relax
5706 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5707 \global\let\poem@needrun\undefined
5708 \fi
5709 }
5710 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5711 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5712 \ifx\max@poem@no\undefined
5713 \def\max@poem@no{0}%
5714 \fi
5715 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
5716 \newcommand{\poem@write@aux}[2]{%
5717 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5718 \@x

```




```

5719 }
5720 \def\@modernpoem{%
5721 \par
5722 \begingroup
5723 \parskip=\z@
5724 \parindent=\z@
5725 \def\{ \settab\@tabplus\ignorespaces}%
5726 \def\} \tabminus\ignorespaces}%
5727 \def\newblock{\poemblocksep}%
5728 \let\newpoem\@tabcr\@tabcr
5729 \def\modernpoem@par{% Redefine \par for possible \obeylines
5730 \ifpoem@started\else
5731 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5732 \stopfield
5733 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5734 \contfield
5735 \fi
5736 \fi
5737 \ifpoem@started\newpoem\@tabcr\fi}%
5738 \def\@tabcr{\global\poem@startedtrue\newpoem\@tabcr}%
5739 \global\poem@startedfalse
5740 \csname poem@obeylines\endcsname
5741 \let\poem@obeylines\relax
5742 \begin{tabbing}%
5743 }
5744 \def\@endmodernpoem{%
5745 \global\poem@startedfalse
5746 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5747 \stopfield
5748 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5749 \contfield
5750 \fi
5751 \ifpoem@started\else\let\stopline\stopfield\fi
5752 \end{tabbing}%
5753 \endgroup
5754 \par
5755 \if@nolist \else
5756 \ifdim\lastskip >\z@
5757 \tempkipa\lastskip \vskip -\lastskip
5758 \advance\tempkipa\parskip \advance\tempkipa -\outerparskip
5759 \vskip\tempkipa
5760 \fi
5761 \endparenv
5762 \fi
5763 }
5764 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5765 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
5766 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5767 \gdef\startfield{%
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}
5779 \gdef\@stopfield{%
5780 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5781 \gdef\@contfield{%
5782 \global\setbox\@curfield\hbox\bgroup%
5783 \let\@footnotetext\bidipoem@p@ftntext%
5784 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5785 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5786 \let\@xfootnotenext\bidipoem@p@xftntext%
5787 \let\@xfootnote\bidipoem@p@xfootnote%
5788 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5789 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5790 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5791 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5792 \color@begingroup\unhbox\@curfield}

```

7.32 boek3-xetex-bidi.def

```

5793 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX e
5794 \renewenvironment{theindex}{%
5795 \if@twocolumn
5796 \@restonecolfalse
5797 \else
5798 \@restonecoltrue
5799 \fi
5800 \columnseprule \z@
5801 \columnsep 35\p@
5802 \twocolumn[\@makeschapterhead{\indexname}]%
5803 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5804 \thispagestyle{plain}\parindent\z@
5805 \parskip\z@ \@plus .3\p@\relax
5806 \let\item\@idxitem
5807 }{%
5808 \if@restonecol\onecolumn\else\clearpage\fi}
5809 \renewcommand*{\head@style}{%
5810 \interlinepenalty \@M
5811 \hyphenpenalty=\@M \exhyphenpenalty=\@M
5812 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5813 \renewcommand*{\regtocline}[3]{%
5814 \ifnum #1>\c@tocdepth
5815 \else

```



```

5816 \vskip\z@\@plus.2\p@
5817 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5818 \if@RTL\rightskip\else\leftskip\fi\unitindent
5819 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5820 \parfillskip\z@
5821 \@tempdima\unitindent
5822 \parindent\z@
5823 \leavevmode
5824 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5825 \hskip 1em \nobreak{\slshape #3}\par
5826 }%
5827 \fi}
5828 \if@oldtoc
5829 \renewcommand*\l@part[2]{%
5830 \ifnum \c@tocdepth >-2\relax
5831 \addpenalty{-\@highpenalty}%
5832 \addvspace{2.25em \@plus\p@}%
5833 \begingroup
5834 \setlength\@tempdima{3em}%
5835 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5836 \parfillskip -\@pnumwidth
5837 {\leavevmode
5838 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5839 \nobreak
5840 \global\@nobreaktrue
5841 \everypar{\global\@nobreakfalse\everypar{}}%
5842 \endgroup
5843 \fi}
5844 \else
5845 \renewcommand*\l@part{%
5846 \ifnum \c@tocdepth >-2\relax
5847 \addpenalty{-\@highpenalty}%
5848 \addvspace{2.25em \@plus \p@}%
5849 \@regtocline{0}%
5850 \fi}
5851 \fi
5852 \if@oldtoc
5853 \renewcommand*\l@chapter[2]{%
5854 \addpenalty{-\@highpenalty}%
5855 \vskip 1.0em \@plus\p@
5856 \setlength\@tempdima{1.5em}%
5857 \begingroup
5858 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5859 \parfillskip -\@pnumwidth
5860 \leavevmode \bfseries
5861 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5862 \hskip -\if@RTL\rightskip\else\leftskip\fi
5863 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5864 \penalty\@highpenalty
5865 \endgroup}

```



```

5866 \else
5867   \renewcommand*\l@chapter{\@regtocline{0}}
5868 \fi
5869 \renewenvironment{abstract}{%
5870   \titlepage
5871   \null\vfil
5872   \section*{\SectFont \abstractname}
5873   \noindent\ignorespaces}
5874   {\par\vfil\null\endtitlepage}
5875 \renewenvironment{thebibliography}[1]
5876   {\chapter*{\bibname}%
5877    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5878    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
5879    \list{\@biblabel{\@arabic\c@enumiv}}%
5880      {\settowidth\labelwidth{\@biblabel{#1}}%
5881       \leftmargin\labelwidth
5882       \advance\leftmargin\labelsep
5883       \@openbib@code
5884       \usecounter{enumiv}%
5885       \let\p@enumiv\@empty
5886       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5887     \sloppy\clubpenalty4000\widowpenalty4000%
5888     \sfcode`. \m}
5889     {\def\@noitemerr
5890      {\@latex@warning{Empty `thebibliography' environment}}}%
5891     \endlist}
5892 \renewcommand*\left@footnoterule{%
5893   \kern-3\p@
5894   \kern.5\baselineskip
5895   \hrule\@width\unitindent
5896   \kern.4\baselineskip
5897 }
5898 \renewcommand*\right@footnoterule{%
5899   \kern-3\p@
5900   \kern.5\baselineskip
5901   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5902   \kern.4\baselineskip}
5903 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5904 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5905 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5906 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5907 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5908 \renewcommand*\theequation{%
5909   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5910 \renewcommand*\thefigure{%
5911   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5912 \renewcommand*\thetable{%
5913   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5914 \renewcommand*\maketitle{%
5915   \begin{titlepage}%

```



```

5916 \let\footnotesize\small
5917 \let\right@footnoterule\relax
5918 \let\left@footnoterule\relax
5919 \let\textwidth@footnoterule\relax
5920 \let \footnote \thanks
5921 \long\def\@makefnmark##1{\parindent\z@
5922   \def\labelitemi{\textendash}\@revlabeltrue
5923   \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5924 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5925 \if@compatibility\setcounter{page}{0}\fi
5926 \null\vfil
5927 \vskip 60\p@
5928 \begin{center}%
5929   \TitleFont
5930   {\LARGE \def\\{\penalty -\@M}
5931     \if@allcaps
5932       \expandafter\uc@nothanks\@title\thanks\relax
5933     \else
5934       \@title
5935     \fi\par}%
5936 \vskip 3em%
5937 {\large
5938   \lineskip .75em \parindent\z@
5939   \begin{tabular}[t]{c}%
5940     \if@allcaps
5941       \expandafter\uc@authornothanks\@author\and\relax
5942     \else
5943       \@author
5944     \fi
5945   \end{tabular}\par}%
5946 \vskip 1.5em%
5947 {\large
5948   \if@allcaps
5949     \uppercase\expandafter{\@date}%
5950   \else
5951     \@date
5952   \fi\par}%
5953 \end{center}\par
5954 \@thanks
5955 \vfil\null
5956 \end{titlepage}%
5957 \setcounter{footnote}{0}%
5958 \global\let\thanks\relax
5959 \global\let\maketitle\relax
5960 \global\let\@thanks\@empty
5961 \global\let\@author\@empty
5962 \global\let\@title\@empty
5963 \global\let\@date\@empty
5964 \global\let\title\relax
5965 \global\let\author\relax

```



```

5966 \global\let\date\relax
5967 \global\let\and\relax
5968 }

```

7.33 boek-xetex-bidi.def

```

5969 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5970 \renewenvironment{theindex}{%
5971   \if@twocolumn
5972     \@restonecolfalse
5973   \else
5974     \@restonecoltrue
5975   \fi
5976   \columnseprule \z@
5977   \columnsep 35\p@
5978   \twocolumn[\@makeschapterhead{\indexname}]%
5979   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5980   \thispagestyle{plain}\parindent\z@
5981   \parskip\z@ \@plus .3\p@\relax
5982   \let\item\@idxitem
5983 }{%
5984   \if@restonecol\onecolumn\else\clearpage\fi}
5985 \renewcommand*\head@style{%
5986   \interlinepenalty \@M
5987   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5988   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5989 \renewcommand*\@regtocline[3]{%
5990   \ifnum #1>\c@tocdepth
5991   \else
5992     \vskip\z@ \@plus .2\p@
5993     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5994       \if@RTL\rightskip\else\leftskip\fi\unitindent
5995       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5996       \parfillskip\z@
5997       \@tempdima\unitindent
5998       \parindent\z@
5999       \leavevmode
6000       \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6001       \hskip 1em \nobreak{\slshape #3}\par
6002     }%
6003   \fi}
6004 \if@oldtoc
6005 \renewcommand*\l@part[2]{%
6006   \ifnum \c@tocdepth >-2\relax
6007     \addpenalty{-\@highpenalty}%
6008     \addvspace{2.25em \@plus\p@}%
6009     \begingroup
6010       \setlength\@tempdima{3em}%
6011       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6012       \parfillskip -\@pnumwidth

```



```

6013     {\leavevmode
6014       \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
6015       \nobreak
6016       \global\@nobreaktrue
6017       \everypar{\global\@nobreakfalse\everypar{}}%
6018     \endgroup
6019   \fi}
6020 \else
6021   \renewcommand*\l@part{%
6022     \ifnum \c@tocdepth >-2\relax
6023       \addpenalty{-\@highpenalty}%
6024       \advspace{2.25em \@plus \p@}%
6025       \@regtocline{0}%
6026     \fi}
6027 \fi
6028 \if@oldtoc
6029 \renewcommand*\l@chapter[2]{%
6030   \addpenalty{-\@highpenalty}%
6031   \vskip 1.0em \@plus\p@
6032   \setlength\@tempdima{1.5em}%
6033   \begingroup
6034   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6035   \parfillskip -\@pnumwidth
6036   \leavevmode \bfseries
6037   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6038   \hskip -\if@RTL\rightskip\else\leftskip\fi
6039   #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
6040   \penalty\@highpenalty
6041   \endgroup}
6042 \else
6043   \renewcommand*\l@chapter{\@regtocline{0}}
6044 \fi
6045 \renewcommand*\left@footnoterule{%
6046   \kern-3\p@
6047   \kern.5\baselineskip
6048   \hrule\@width\unitindent
6049   \kern.4\baselineskip
6050 }
6051 \renewcommand*\right@footnoterule{%
6052   \kern-3\p@
6053   \kern.5\baselineskip
6054   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6055   \kern.4\baselineskip}
6056 \renewenvironment{abstract}{%
6057   \titlepage
6058   \null\vfil
6059   \section*{\SectFont \abstractname}
6060   \noindent\ignorespaces}
6061   {\par\vfil\null\endtitlepage}
6062 \renewenvironment{thebibliography}[1]

```



```

6063     {\chapter*{\bibname}%
6064       \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6065     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6066     \list{\@biblabel{\@arabic\c@enumiv}}%
6067       {\settowidth\labelwidth{\@biblabel{#1}}%
6068        \leftmargin\labelwidth
6069        \advance\leftmargin\labelsep
6070        \@openbib@code
6071        \usecounter{enumiv}%
6072        \let\p@enumiv\@empty
6073        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6074     \sloppy\clubpenalty4000\widowpenalty4000%
6075     \sfcode`\.\@m}
6076     {\def\@noitemerr
6077       {\@latex@warning{Empty `thebibliography' environment}}}%
6078     \endlist}
6079 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6080 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6081 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6082 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6083 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6084 \renewcommand*\theequation{%
6085   \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6086 \renewcommand*\thefigure{%
6087   \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@figure}
6088 \renewcommand*\thetable{%
6089   \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@table}
6090 \renewcommand*\maketitle{%
6091   \begin{titlepage}%
6092     \let\footnotesize\small
6093     \let\right@footnoterule\relax
6094     \let\left@footnoterule\relax
6095     \let\textwidth@footnoterule\relax
6096     \let \footnote \thanks
6097     \long\def\@makefnctext##1{\parindent\z@
6098       \def\labelitemi{\textendash}\@revlabeltrue
6099       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6100     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6101     \if@compatibility\setcounter{page}{0}\fi
6102     \null\vfil
6103     \vskip 60\p@
6104     \begin{center}%
6105       \TitleFont
6106       {\LARGE \def\\{\penalty -\@M}
6107         \if@allcaps
6108           \expandafter\uc@nothanks\@title\thanks\relax
6109         \else
6110           \@title
6111         \fi\par}%
6112     \vskip 3em%

```




```

6113     {\large
6114       \lineskip .75em \parindent\z@
6115       \begin{tabular}[t]{c}%
6116         \if@allcaps
6117           \expandafter\uc@authornothanks\@author\and\relax
6118         \else
6119           \@author
6120         \fi
6121       \end{tabular}\par}%
6122     \vskip 1.5em%
6123     {\large
6124       \if@allcaps
6125         \uppercase\expandafter{\@date}%
6126       \else
6127         \@date
6128       \fi\par}%
6129     \end{center}\par
6130     \@thanks
6131     \vfil\null
6132 \end{titlepage}%
6133 \setcounter{footnote}{0}%
6134 \global\let\thanks\relax
6135 \global\let\maketitle\relax
6136 \global\let\@thanks\@empty
6137 \global\let\@author\@empty
6138 \global\let\@title\@empty
6139 \global\let\@date\@empty
6140 \global\let\title\relax
6141 \global\let\author\relax
6142 \global\let\date\relax
6143 \global\let\and\relax
6144 }

```

7.34 bookest-xetex-bidi.def

```

6145 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
6146 \def\@makechapterhead#1{%
6147   \vspace*{20\p@}
6148   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6149     \ifnum \c@secnumdepth >\m@ne
6150       \if@mainmatter
6151         {\colorA\huge\scshape \@chapapp\space \thechapter}
6152         \par\nobreak
6153         \vskip 10\p@
6154       \fi
6155     \fi
6156     \interlinepenalty\@M
6157     {\colorB\hrule}
6158     \vskip 15\p@
6159     \if@RTL\begin{flushleft}\else\begin{flushright}\fi

```



```

6160      {\colorA\Huge \bfseries #1}\par\nobreak
6161      \if@RTL\end{flushleft}\else\end{flushright}\fi
6162      \vskip 5\p@
6163      {\colorB\hrule}
6164      \vskip 30\p@
6165      }}
6166 \def\@makeschapterhead#1{%
6167   \vspace*{20\p@}
6168   {\parindent \z@ \raggedright \normalfont
6169    {\colorB\hrule}
6170    \vskip 15\p@
6171    \begin{center}
6172     {\colorA\Huge \bfseries #1}\par\nobreak
6173    \end{center}
6174    \vskip 5\p@
6175    {\colorB\hrule}
6176    \vskip 30\p@
6177    }}

```

7.35 book-xetex-bidi.def

```

6178 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for
6179 \renewenvironment{theindex}
6180      {\if@twocolumn
6181       \@restonecolfalse
6182       \else
6183       \@restonecoltrue
6184       \fi
6185       \columnseprule \z@
6186       \columnsep 35\p@
6187       \twocolumn[\@makeschapterhead{\indexname}]}%
6188       \@mkboth{\MakeUppercase\indexname}%
6189       {\MakeUppercase\indexname}%
6190       \thispagestyle{plain}\parindent\z@
6191       \parskip\z@ \@plus .3\p@\relax
6192       \let\item\@idxitem}
6193       {\if@restonecol\onecolumn\else\clearpage\fi}
6194 \@ifclassloaded{bookest}{-}{-}%
6195 \if@titlepage
6196 \renewcommand\maketitle{\begin{titlepage}%
6197 \let\footnotesize\small
6198 \let\right@footnoterule\relax
6199 \let\left@footnoterule\relax
6200 \let\textwidth\footnoterule\relax
6201 \let \footnote \thanks
6202 \let \LTRfootnote \LTRthanks
6203 \let \RTLfootnote \RTLthanks
6204 \null\vfil
6205 \vskip 60\p@
6206 \begin{center}%

```



```

6207 {\LARGE \@title \par}%
6208 \vskip 3em%
6209 {\large
6210 \lineskip .75em%
6211 \begin{tabular}[t]{c}%
6212 \@author
6213 \end{tabular}\par}%
6214 \vskip 1.5em%
6215 {\large \@date \par}% % Set date in \large size.
6216 \end{center}\par
6217 \@thanks
6218 \vfil\null
6219 \end{titlepage}%
6220 \setcounter{footnote}{0}%
6221 \global\let\thanks\relax
6222 \global\let\LTRthanks\relax
6223 \global\let\RTLthanks\relax
6224 \global\let\maketitle\relax
6225 \global\let\@thanks\@empty
6226 \global\let\@author\@empty
6227 \global\let\@date\@empty
6228 \global\let\@title\@empty
6229 \global\let\title\relax
6230 \global\let\author\relax
6231 \global\let\date\relax
6232 \global\let\and\relax
6233 }
6234 \else
6235 \renewcommand\maketitle{\par
6236 \begingroup
6237 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6238 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6239 \long\def\@makefntext##1{\parindent 1em\noindent
6240 \hbext@1.8em%
6241 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6242 \if@twocolumn
6243 \ifnum \col@number=\@ne
6244 \@maketitle
6245 \else
6246 \twocolumn[\@maketitle]%
6247 \fi
6248 \else
6249 \newpage
6250 \global\@topnum\z@ % Prevents figures from going at top of page.
6251 \@maketitle
6252 \fi
6253 \thispagestyle{plain}\@thanks
6254 \endgroup
6255 \setcounter{footnote}{0}%
6256 \global\let\thanks\relax

```



```

6257 \global\let\LTRthanks\relax
6258 \global\let\RTLthanks\relax
6259 \global\let\maketitle\relax
6260 \global\let\@maketitle\relax
6261 \global\let\@thanks\@empty
6262 \global\let\@author\@empty
6263 \global\let\@date\@empty
6264 \global\let\@title\@empty
6265 \global\let\title\relax
6266 \global\let\author\relax
6267 \global\let\date\relax
6268 \global\let\and\relax
6269 }
6270 \def\@maketitle{%
6271   \newpage
6272   \null
6273   \vskip 2em%
6274   \begin{center}%
6275     \let \footnote \thanks
6276     \let \LTRfootnote \LTRthanks
6277     \let \RTLfootnote \RTLthanks
6278     {\LARGE \@title \par}%
6279     \vskip 1.5em%
6280     {\large
6281       \lineskip .5em%
6282       \begin{tabular}[t]{c}%
6283         \@author
6284       \end{tabular}\par}%
6285     \vskip 1em%
6286     {\large \@date}%
6287   \end{center}%
6288   \par
6289   \vskip 1.5em}
6290 \fi}
6291 \renewcommand*\l@part[2]{%
6292   \ifnum \c@tocdepth >-2\relax
6293     \addpenalty{-\@highpenalty}%
6294     \addvspace{2.25em \@plus\p@}%
6295     \setlength\@tempdima{3em}%
6296     \begingroup
6297       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6298       \parfillskip -\@pnumwidth
6299       {\leavevmode
6300         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6301       \nobreak
6302       \global\@nobreaktrue
6303       \everypar{\global\@nobreakfalse\everypar{}}%
6304     \endgroup
6305   \fi}
6306 \renewcommand*\l@chapter[2]{%

```



```

6307 \ifnum \c@tocdepth >\m@ne
6308 \addpenalty{-\@highpenalty}%
6309 \vskip 1.0em \@plus\p@
6310 \setlength\@tempdima{1.5em}%
6311 \begingroup
6312 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6313 \parfillskip -\@pnumwidth
6314 \leavevmode \bfseries
6315 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
6316 \hskip -\if@RTL\rightskip\else\leftskip\fi
6317 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6318 \penalty\@highpenalty
6319 \endgroup
6320 \fi}
6321 \renewcommand\left@footnoterule{%
6322 \kern-3\p@
6323 \hrule\@width.4\columnwidth
6324 \kern2.6\p@}
6325 \renewcommand\right@footnoterule{%
6326 \kern-3\p@
6327 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6328 \kern2.6\p@}
6329 \renewcommand\theequation
6330 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6331 \renewcommand \thefigure
6332 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6333 \renewcommand \thetable
6334 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6335 \renewcommand \thechapter {\@arabic\c@chapter}
6336 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6337 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6338 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
6339 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
6340 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
6341 \def\@makechapterhead#1{%
6342 \vspace*{50\p@}%
6343 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6344 \ifnum \c@secnumdepth >\m@ne
6345 \if@mainmatter
6346 \huge\bfseries \@chapapp\space \thechapter
6347 \par\nobreak
6348 \vskip 20\p@
6349 \fi
6350 \fi
6351 \interlinepenalty\@M
6352 \Huge \bfseries #1\par\nobreak
6353 \vskip 40\p@
6354 }}
6355 \def\@makeschapterhead#1{%
6356 \vspace*{50\p@}%

```



```

6357 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6358 \normalfont
6359 \interlinepenalty\@M
6360 \Huge \bfseries #1\par\nobreak
6361 \vskip 40\p@
6362 }}
6363 \renewcommand\backmatter{%
6364 \if@openright
6365 \cleardoublepage
6366 \else
6367 \clearpage
6368 \fi
6369 \@mainmatterfalse}
6370 \renewenvironment{thebibliography}[1]
6371 {\chapter*{\bibname}%
6372 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6373 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6374 \list{\@biblabel{\@arabic\c@enumiv}}%
6375 {\settowidth\labelwidth{\@biblabel{#1}}%
6376 \leftmargin\labelwidth
6377 \advance\leftmargin\labelsep
6378 \@openbib@code
6379 \usecounter{enumiv}%
6380 \let\p@enumiv\@empty
6381 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6382 \sloppy
6383 \clubpenalty4000
6384 \@clubpenalty \clubpenalty
6385 \widowpenalty4000%
6386 \sfcode`..\@m}
6387 {\def\@noitemerr
6388 {\@latex@warning{Empty `thebibliography' environment}}%
6389 \endlist}

```

7.36 breqn-xetex-bidi.def

```

6390 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for XeTeX]
6391 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6392 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6393 \if@noskipsec \leavevmode \fi
6394 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6395 \if\eq@group\else\eq@prelim\fi
6396 \setkeys{breqn}{#1}%
6397 \the\eqstyle
6398 \eq@setnumber
6399 \begingroup
6400 \eq@setup@a
6401 \eq@startup
6402 }
6403 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%

```



```

6404 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6405 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6406 \global\let\GRP@label\@empty
6407 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6408 \global\grp@linewidth\z@\global\grp@wdNum\z@
6409 \global\let\grp@eqs@numbered\@False
6410 \global\let\grp@aligned\@True
6411 \global\let\grp@shiftnumber\@False
6412 \eq@prelim
6413 \setkeys{breqn}{#1}%
6414 \if\grp@hasNumber \grp@setnumber \fi
6415 }
6416 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6417 \let\display@setup\dseries@display@setup
6418 % Question: should this be the default for dseries???
6419 \global\eq@wdCond\z@
6420 \@dmath[layout={M},#1]%
6421 \mathsurround\z@\@math \penalty\@Mi
6422 \let\endmath\ends@math
6423 \def\premath{%
6424 \ifdim\lastskip<.3em \unskip
6425 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6426 }%
6427 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6428 \ignorespaces
6429 }
6430 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
6431 \renewenvironment{dsuspend}{%
6432 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6433 \parshape 1 \displayindent \displaywidth\relax
6434 \hsize=\columnwidth \noindent\ignorespaces
6435 }{%
6436 \par\egroup
6437 \global\setbox\GRP@box\vbox{%
6438 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
6439 \unvbox\GRP@box
6440 }%
6441 \global\GRP@queue\@xp{\the\GRP@queue
6442 \@elt{\let\eq@isIntertext\@True}%
6443 }%
6444 }

```

7.37 cals-xetex-bidi.def

```

6445 \ProvidesFile{cals-xetex-bidi.def}[2016/11/27 v0.4 bidi adaptations for cals package for XeTeX e
6446 \renewcommand\cals@setup@alignment[1]{%
6447 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6448 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6449 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6450 }

```



```

6451 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
6452 \renewcommand\cals@AtEndTable{\@RTLtabfalse}
6453 \renewcommand\alignL{%
6454 \if@RTLtab
6455 \cals@vfillAdd\cals@paddingL
6456 \else
6457 \cals@vfillDrop\cals@paddingL
6458 \fi
6459 \cals@vfillDrop\cals@paddingR}
6460 \renewcommand\alignR{%
6461 \if@RTLtab
6462 \cals@vfillDrop\cals@paddingL
6463 \else
6464 \cals@vfillAdd\cals@paddingL
6465 \fi
6466 \cals@vfillDrop\cals@paddingR}

```

7.38 caption-xetex-bidi.def

```

6467 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6468 \let\@makecaption\caption@makecaption

```

7.39 caption3-xetex-bidi.def

```

6469 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6470 \renewcommand*\caption@par{%
6471 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.40 colortbl-xetex-bidi.def

```

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

```




```

6494 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6495 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6496 \fi
6497 \if@RTLtab\endR\fi\egroup\egroup
6498 \begingroup
6499 \CT@setup
6500 \CT@column@color
6501 \CT@row@color
6502 \CT@cell@color
6503 \CT@do@color
6504 \endgroup
6505 \tempdima\ht\z@
6506 \advance\tempdima\minrowclearance
6507 \vrule\@height\tempdima\@width\z@
6508 \unhbox\z@\if@RTLtab\endL\fi}%
6509 \prepnext@tok}

```

7.41 color-xetex-bidi.def

```

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

```



```

6541 \ignorespaces}
6542 \def\@bidideclaredcolor#1{%
6543   \@ifundefined{string\color @#1}%
6544     {\color@error{`#1'}}%
6545     {\expandafter\let\expandafter\current@color
6546       \csname\string\color @#1\endcsname
6547       \set@color}%
6548   \ignorespaces}
6549 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6550 \def\color@fbox#1#2#3{%
6551   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6552 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.42 combine-xetex-bidi.def

```

6553 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeT
6554 \renewcommand{\c@ll@chapsecii}[2]{%
6555   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6556   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6557   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6558 }
6559 \renewcommand{\c@ll@chapseci}{%
6560   \setlength\@tempdima{0em}%
6561   \begingroup
6562     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6563     \parfillskip -\@pnumwidth
6564     \leavevmode
6565 }
6566 \renewenvironment{tocindent}[1]{%
6567   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

7.43 crop-xetex-bidi.def

```

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

```



```

6586         \put(0,30){\circle{10}}
6587         \put(-5,30){\line(1,0){10}}
6588         \put(0,35){\line(0,-1){30}}
6589     \end{picture}%
6590     \fi%
6591 }
6592 \renewcommand*\CROP@urc{%
6593     \if@RTLmain%
6594         \begin{picture}(0,0)
6595             \unitlength\p@\thinlines
6596             \put(20,0){\circle{10}}
6597             \put(30,-5){\line(0,1){10}}
6598             \put(35,0){\line(-1,0){30}}
6599             \put(-10,30){\circle{10}}
6600             \put(-5,30){\line(1,0){10}}
6601             \put(0,35){\line(0,-1){30}}
6602         \end{picture}%
6603     \else%
6604         \begin{picture}(0,0)
6605             \unitlength\p@\thinlines
6606             \put(30,0){\circle{10}}
6607             \put(30,-5){\line(0,1){10}}
6608             \put(35,0){\line(-1,0){30}}
6609             \put(0,30){\circle{10}}
6610             \put(-5,30){\line(1,0){10}}
6611             \put(0,35){\line(0,-1){30}}
6612         \end{picture}%
6613     \fi%
6614 }
6615 \renewcommand*\CROP@llc{%
6616     \if@RTLmain%
6617         \begin{picture}(0,0)
6618             \unitlength\p@\thinlines
6619             \put(-40,0){\circle{10}}
6620             \put(-30,-5){\line(0,1){10}}
6621             \put(-35,0){\line(1,0){30}}
6622             \put(-10,-30){\circle{10}}
6623             \put(-5,-30){\line(1,0){10}}
6624             \put(0,-35){\line(0,1){30}}
6625         \end{picture}%
6626     \else%
6627         \begin{picture}(0,0)
6628             \unitlength\p@\thinlines
6629             \put(-30,0){\circle{10}}
6630             \put(-30,-5){\line(0,1){10}}
6631             \put(-35,0){\line(1,0){30}}
6632             \put(0,-30){\circle{10}}
6633             \put(-5,-30){\line(1,0){10}}
6634             \put(0,-35){\line(0,1){30}}
6635         \end{picture}%

```



```

6636 \fi%
6637 }
6638 \renewcommand*\CROP@lrc{%
6639 \if@RTLmain%
6640 \begin{picture}(0,0)
6641 \unitlength\p@\thinlines
6642 \put(20,0){\circle{10}}
6643 \put(30,-5){\line(0,1){10}}
6644 \put(35,0){\line(-1,0){30}}
6645 \put(-10,-30){\circle{10}}
6646 \put(-5,-30){\line(1,0){10}}
6647 \put(0,-35){\line(0,1){30}}
6648 \end{picture}%
6649 \else%
6650 \begin{picture}(0,0)
6651 \unitlength\p@\thinlines
6652 \put(30,0){\circle{10}}
6653 \put(30,-5){\line(0,1){10}}
6654 \put(35,0){\line(-1,0){30}}
6655 \put(0,-30){\circle{10}}
6656 \put(-5,-30){\line(1,0){10}}
6657 \put(0,-35){\line(0,1){30}}
6658 \end{picture}%
6659 \fi%
6660 }
6661 \@ifpackagewith{crop}{cam}{%
6662 \CROP@execopt{cam}%
6663 }{}

```

7.44 cutwin-xetex-bidi.def

```

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

```



```

6683 \def\c@twfirst{1}
6684 \@for\c@twlspec:=\c@twb\do{%
6685   \ifnum\c@twrounds=1
6686     \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6687     \c@twprune{\c@twslicea}{\c@twlspec}%
6688     \def\c@twrounds{2}
6689   \else
6690     \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6691     \c@twprune{\c@twsliceb}{\c@twlspec}%
6692     \ifnum\c@twfirst=1
6693       \setbox#2=\vbox{\unvbox#2\hbox
6694         to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\ifRTL\box\
6695         \def\c@twfirst{2}
6696       \else
6697         \setbox#2=\vbox{\unvbox#2\hbox
6698         to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\ifRTL\box\c@twslicea\else\
6699         \fi
6700       \def\c@twrounds{1}
6701     \fi}}

```

7.45 cuted-xetex-bidi.def

```

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

```



```

6730     \hfil
6731     \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6732     \hskip -\textwidth
6733     \hb@xt@\columnwidth{\box\@outputbox \hss}%
6734     \hskip \columnsep
6735     \hskip \columnwidth }}%
6736 \ifvoid\hold@viper
6737 \else
6738     \setbox\@outputbox \vbox to\textheight{%
6739                                     \box\hold@viper
6740                                     \box\@outputbox
6741                                     \vss
6742                                     }%
6743 \fi
6744 \@combinedblfloats
6745 \@setmarks
6746 \@outputpage
6747 \begingroup
6748     \@dblfloatplacement
6749     \@startdblcolumn
6750     \@whilesw@if@colmade \fi{\@outputpage
6751     \@startdblcolumn}%
6752     \ifvoid\@viper
6753     \else
6754         \global\setbox\@viper\vbox{%
6755             \vskip-\stripsep
6756             \unvbox\@viper
6757             }%
6758     \@viperoutput
6759     \fi
6760 \endgroup
6761 \fi}%
6762
6763 \def\LTR@outputdblcol{%
6764     \if@firstcolumn
6765         \global\@firstcolumnfalse
6766         \global\setbox\@leftcolumn\copy\@outputbox
6767         \splitmaxdepth\maxdimen
6768         \vbadness\maxdimen
6769         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6770         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6771         \toks@\expandafter{\topmark}%
6772         \xdef\@firstcoltopmark{\the\toks@}%
6773         \toks@\expandafter{\splitfirstmark}%
6774         \xdef\@firstcolfirstmark{\the\toks@}%
6775         \ifx\@firstcolfirstmark\@empty
6776             \global\let\@setmarks\relax
6777         \else
6778             \gdef\@setmarks{%
6779                 \let\firstmark\@firstcolfirstmark

```



```

6780      \let\topmark\@firstcoltopmark}%
6781      \fi
6782    \else
6783      \global\@firstcolumntrue
6784      \setbox\@outputbox\vbox{%
6785        \hb@xt@\textwidth{%
6786          \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6787          \hfil
6788          {\normalcolor\vrule \@width\columnseprule}%
6789          \hfil
6790          \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
6791      \ifvoid\hold@viper
6792      \else
6793        \setbox\@outputbox \vbox to\textheight{%
6794          \box\hold@viper
6795          \box\@outputbox
6796          \vss
6797        }%
6798      \fi
6799    \@combinedblfloats
6800    \@setmarks
6801    \@outputpage
6802    \begingroup
6803      \@dblfloatplacement
6804      \@startdblcolumn
6805      \@whiles\if@fcolmade \fi{\@outputpage
6806        \@startdblcolumn}%
6807      \ifvoid\@viper
6808      \else
6809        \global\setbox\@viper\vbox{%
6810          \vskip-\stripsep
6811          \unvbox\@viper
6812        }%
6813        \@viperoutput
6814      \fi
6815    \endgroup
6816    \fi}%
6817
6818
6819 \def \@addviper {%
6820   \if@firstcolumn
6821     \@insertfalse
6822     \@reqcolroom .5\@pageht
6823     \ht@viper\@reqcolroom
6824     \advance \@reqcolroom \ht@viper
6825     \advance \@reqcolroom \stripsep
6826     \ifvoid\hold@viper\@tempdima=z\else\@tempdima\ht\hold@viper\fi
6827   %%
6828     \@tempdimb \ht@viper
6829   \loop

```



```

6830 \setbox\v@aaa\copy\@holdpg
6831 \setbox\v@ccc\vbox to\@tempdimb{%
6832     \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6833 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6834 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6835 \loop
6836 \setbox\v@aaa\copy\@holdpg
6837 \setbox\v@ccc\vbox to\@tempdimb{%
6838     \vsplit\v@aaa to\@tempdimb\vss}%
6839 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
6840 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6841 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6842 \setbox\v@ccc\vbox to\@tempdimb{%
6843     \vsplit\@holdpg to\@tempdimb\vss}%
6844 %%
6845 \setbox\@tempboxa \vbox {%
6846     \hb@xt@\textwidth {%
6847         \if@RTLmain%
6848         \hskip \columnwidth
6849         \hfil \vrule width\columnseprule \hfil
6850         \hb@xt@\columnwidth {%
6851             \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6852         \hskip -\textwidth
6853         \hb@xt@\columnwidth {%
6854             \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6855         \hskip \columnsep
6856         \hskip \columnwidth
6857         \else%
6858         \hb@xt@\columnwidth {%
6859             \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6860             \hfil
6861             \vrule \@width\columnseprule
6862             \hfil
6863             \hb@xt@\columnwidth {%
6864                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6865                 \fil}%
6866         }%
6867 \ifvoid\hold@viper
6868     \global\setbox\hold@viper \vbox {%
6869         \unvbox\@tempboxa
6870         \penalty\interlinepenalty
6871         \vskip\stripsep
6872         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6873         \outputpenalty \z@
6874     }%
6875 \else
6876     \global\setbox\hold@viper \vbox {%
6877         \unvbox\hold@viper
6878         \unvbox\@tempboxa
6879         \penalty\interlinepenalty

```




```

6880         \vskip\stripsep
6881         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6882         \outputpenalty \z@
6883         }%
6884     \fi
6885     \ifdim \@colroom>\@reqcolroom
6886         \global\setbox\hold@viper \vbox {%
6887             \unvbox\hold@viper
6888             \box\@viper
6889             \penalty\interlinepenalty
6890             \vskip\stripsep
6891             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6892             \outputpenalty \z@
6893             }%
6894         \@inserttrue
6895         \advance\@tempdima by-\ht\hold@viper
6896         \global \advance \@colht \@tempdima
6897         \ifdim \@colht<2.5\baselineskip
6898         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6899             too tall on page \thepage (1 stulpelis)}}%
6900         \@emptycol
6901         \if@firstcolumn
6902         \else
6903             \@emptycol
6904         \fi
6905         \global\@lastvipertrue
6906     \else
6907         \global \vsize \@colht
6908         \global \@colroom \@colht
6909         \check@floats
6910         \ifdim\@tempdima>\z@
6911             \global\advance\@colroom by-\@tempdima
6912         \fi
6913         \ifdim\@colroom<\z@
6914             \global\@colroom 1pt
6915             \ifdim\@tempdima>\@colht
6916                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6917                     netelpa lape \thepage (1 stulpelis)}}%
6918             \fi
6919             \@emptycol
6920             \if@firstcolumn
6921             \else
6922                 \@emptycol
6923             \fi
6924             \global\@lastvipertrue
6925         \fi
6926     \fi
6927 \fi
6928 \else
6929     \@insertfalse

```



```

6930 \@reqcolroom\@colht
6931 \advance\@reqcolroom \@pageht
6932 \ht@viper.5\@reqcolroom
6933 \@reqcolroom\ht@viper
6934 \advance \@reqcolroom \ht\@viper
6935 \advance \@reqcolroom \stripsep
6936 \if@flushend@auto@baselineskip
6937 \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
6938 \global\lastskip@d\lastskip
6939 \global\lastskip@b\lastskip
6940 \loop
6941 \global\lastskip@a\lastskip@b
6942 \unskip\unpenalty
6943 \global\lastskip@b\lastskip
6944 \global\advance\lastskip@d by\lastskip
6945 \ifdim\lastskip@b=-\lastskip@a
6946 \global\advance\lastskip@d by-\lastskip
6947 \else
6948 \repeat
6949 \ifdim\lastskip@b=-\lastskip@a
6950 \ifdim\lastskip@b=\z@
6951 \setbox\lastbox@a\lastbox
6952 \global\advance\lastskip@d by\ht\lastbox@a
6953 \global\advance\lastskip@d by\lastskip
6954 \unskip\unpenalty
6955 \setbox\lastbox@a\lastbox
6956 \global\advance\lastskip@d by\dp\lastbox@a
6957 \else
6958 \global\lastskip@d\lastskip
6959 \global\advance\lastskip@d by\topskip
6960 \fi
6961 \fi
6962 \global\advance\lastskip@d by-\topskip
6963 }%
6964 \ifdim\ht\@holdpg>\@colht
6965 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6966 \par\eject
6967 \vbox to \@colht{\unvbox\@holdpg\unskip}}%
6968 }%
6969 \else
6970 \global\setbox\@holdpg\vbox{%
6971 \unvbox\@leftcolumn\unskip\unpenalty
6972 \vskip\lastskip@d
6973 \the\At@ViperColsBreak
6974 \unvbox\@holdpg
6975 \unskip
6976 }%
6977 \fi
6978 \else
6979 \global\setbox\@holdpg\vbox{%

```



```

6980         \unvbox\@leftcolumn
6981         \setbox\@tempboxa\lastbox
6982         \on@stripcols@break
6983         \the\At@ViperColsBreak
6984         \unvbox\@holdpg
6985     }%
6986 \fi
6987 \global\At@ViperColsBreak{}%
6988 \ht@viper .5\ht\@holdpg
6989 \ifdim \ht@viper>\@colht
6990     \ht@viper \@colht
6991 \fi
6992 \ifvoid\hold@viper\@tempdima=z\else\@tempdima\ht\hold@viper\fi
6993 %%
6994 \@tempdimb \ht@viper
6995 \loop
6996     \setbox\v@aaa\copy\@holdpg
6997     \setbox\v@ccc\vbox to\@tempdimb{%
6998         \vsplit\v@aaa to\@tempdimb
6999         \vss
7000         \vsplit\v@aaa to\@tempdimb
7001     }%
7002     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7003 \ifvoid\v@aaa
7004 \else
7005     \advance\@tempdimb 1\p@
7006 \repeat
7007 \loop
7008     \setbox\v@aaa\copy\@holdpg
7009     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7010     \wlog{(2)Left:\the\ht\v@ccc\space
7011         Right:\the\ht\v@aaa\space
7012         Output:\the\@tempdimb
7013     }%
7014 \ifdim\ht\v@ccc<\ht\v@aaa
7015     \@tempdimb \the\ht\v@aaa
7016 \repeat
7017 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7018     ^^JRight:\the\ht\v@aaa
7019     ^^JOutput:\the\@tempdimb
7020     }%
7021 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7022 \setbox\@tempboxa\vbox{%
7023     \hb@xt@\textwidth {%
7024         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7025         \hfil
7026         \vrule \@width\columnseprule
7027         \hfil
7028         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7029     }%

```



```

7030     }%
7031 \ifvoid\hold@viper
7032     \global\setbox\hold@viper \vbox {%
7033         \unvbox\@tempboxa
7034         \penalty\interlinepenalty
7035         \vskip\stripsep
7036         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7037         \outputpenalty \z@
7038     }%
7039 \else
7040     \global\setbox\hold@viper \vbox {%
7041         \unvbox\hold@viper
7042         \unvbox\@tempboxa
7043         \penalty\interlinepenalty
7044         \vskip\stripsep
7045         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7046         \outputpenalty \z@
7047     }%
7048 \fi
7049 \ifdim \@colht>\@reqcolroom
7050     \global\setbox\hold@viper \vbox {%
7051         \unvbox\hold@viper
7052         \box\@viper
7053         \penalty\interlinepenalty
7054         \vskip\stripsep
7055         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7056         \outputpenalty \z@
7057     }%
7058 \@inserttrue
7059 \global\@firstcolumntrue
7060 \advance\@tempdima by-\ht\hold@viper
7061 \global \advance \@colht \@tempdima
7062 \ifdim \@colht<2.5\baselineskip
7063 \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7064                             too tall on page \thepage (2 stulpelis)}%
7065     \@emptycol
7066     \if@firstcolumn
7067     \else
7068         \@emptycol
7069     \fi
7070     \global\@lastvipertrue
7071 \else
7072     \global \vsize \@colht
7073     \global \@colroom \@colht
7074     \check@floats
7075     \ifdim\@tempdima>\z@
7076         \global\advance\@colroom by-\@tempdima
7077     \fi
7078     \ifdim\@colroom<\z@
7079         \global\@colroom 1pt

```



```

7080         \ifdim\@tempdima>\@colht
7081         \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7082             netelpa lape \thepage (2 stulpelis)}%
7083         \fi
7084         \@emptycol
7085         \if@firstcolumn
7086         \else
7087             \@emptycol
7088         \fi
7089         \global\@lastvipertrue
7090     \fi
7091 \fi
7092 \fi
7093 \fi
7094 \if@insert
7095 \else
7096     \advance\@tempdima by-\ht\hold@viper
7097     \global \advance \@colht \@tempdima
7098     \global\setbox\hold@viper \vbox {%
7099         \unvbox\hold@viper
7100         \csname viper@top@hook\endcsname
7101         \vsplit\@viper to \@colht
7102         \vss
7103     }%
7104     \vbox{%
7105         \global\@firstcolumnfalse
7106         \newpage
7107     \fi
7108 }

```

7.46 cvthemebidicasual.sty

```

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

```



```

7127 \firstnamecolour{A9A9A9}
7128 \quotecolour{696969}
7129 \addresscolour{696969}
7130 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7131 \sectiontitlecolour{1E90FF}
7132 \subsectioncolour{4682B4}
7133 \definecolor{rulecolour}{gray}{0.6}
7134 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7135 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7136 \if@colouorange
7137 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7138 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7139 \sectiontitlecolour{FF8C00}
7140 \subsectioncolour{FF8C00}
7141 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7142 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7143 \if@colourgreen
7144 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7145 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7146 \sectiontitlecolour{008000}
7147 \subsectioncolour{008000}
7148 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7149 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7150 \if@coloured
7151 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7152 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7153 \sectiontitlecolour{FF0000}
7154 \subsectioncolour{FF0000}
7155 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7156 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7157 \if@colourgrey
7158 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7159 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7160 \sectiontitlecolour{808080}
7161 \subsectioncolour{808080}
7162 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7163 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7164 \renewcommand*{\ttdefault}{pcr}
7165 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7166 \renewcommand*{\familynamefont}{\firstnamefont}
7167 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7168 \renewcommand*{\quoteftfont}{\large\slshape}
7169 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7170 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7171 \renewcommand*{\maketitle}{%
7172 {%
7173 \ifthenelse{\isundefined{\@photo}}{%
7174 {}%
7175 {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7176 \hfill%

```



```

7177 \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]]%
7178 {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]]%
7179 \ifthenelse{\isundefined{\@quote}}{%
7180   }%
7181   {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
7182   ]%
7183 \newif\if@firstfooterelement\@firstfooterelementtrue
7184 \providecommand*{\footersymbol}{}
7185 \renewcommand*{\footersymbol}{%
7186   \if@firstfooterelement%
7187   \else%
7188     ~\color{footersymbolcolor}\textbullet~~~\fi}
7189 \providecommand*{\makefooter}{}
7190 \renewcommand*{\makefooter}{%
7191   \fancypagestyle{plain}{%
7192     \fancyfoot[c]{%
7193       \parbox{0.8\textwidth}{%
7194         \centering%
7195         \addressfont\@addresscolour%
7196         \ifthenelse{\isundefined{\@address}}{}{}%
7197         \addresssymbol~\@address\\%
7198         \@firstfooterelementfalse}%
7199         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7200         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelemen
7201         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
7202         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@first
7203         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfals
7204       }%
7205     \pagestyle{plain}}
7206 \AtBeginDocument{\makefooter}

```

7.47 cvthemebidiclassic.sty

```

7207 \NeedsTeXFormat{LaTeX2e}
7208 \ProvidesPackage{cvthemebidiclassic}
7209 \DeclareOption{blue}{}
7210 \newif\if@colourorange\@colourorangefalse
7211 \DeclareOption{orange}{\@colourorangetrue}
7212 \newif\if@colourgreen\@colourgreenfalse
7213 \DeclareOption{green}{\@colourgreentrue}
7214 \newif\if@colourred\@colourredfalse
7215 \DeclareOption{red}{\@colourredtrue}
7216 \newif\if@colourgrey\@colourgreyfalse
7217 \DeclareOption{grey}{\@colourgreytrue}
7218 \DeclareOption*{
7219   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7220 \ExecuteOptions{colour}
7221 \ProcessOptions\relax
7222 \renewcommand*{\listitemsymbol}{\textbullet}
7223 \firstnamecolour{}

```



```

7224 \familynamecolour{}
7225 \titlecolour{808080}
7226 \quotecolour{696969}
7227 \addresscolour{696969}
7228 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7229 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7230 \sectiontitlecolour{1E90FF}
7231 \subsectioncolour{4682B4}
7232 \if@colourorange
7233 \addresscolour{FF8C00}
7234 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7235 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7236 \sectiontitlecolour{FF8C00}
7237 \subsectioncolour{FF8C00}\fi
7238 \if@colourgreen
7239 \addresscolour{008000}
7240 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7241 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7242 \sectiontitlecolour{008000}
7243 \subsectioncolour{008000}\fi
7244 \if@colourred
7245 \addresscolour{FF0000}
7246 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7247 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7248 \sectiontitlecolour{FF0000}
7249 \subsectioncolour{FF0000}\fi
7250 \if@colourgrey
7251 \addresscolour{808080}
7252 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7253 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7254 \sectiontitlecolour{808080}
7255 \subsectioncolour{808080}\fi
7256 \renewcommand*{\ttdefault}{pcr}
7257 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7258 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7259 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7260 \renewcommand*{\familynamefont}{\firstnamefont}
7261 \renewcommand*{\quote font}{\large\slshape}
7262 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7263 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7264 \newlength{\maketitlenamemaxwidth}
7265 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7266 \newlength{\maketitlenamefullwidth}
7267 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7268 \newlength{\maketitlenamewidth}
7269 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}\fi
7270 \newlength{\maketitlepicturewidth}
7271 \setlength{\maketitlepicturewidth}{\@photowidth}
7272 \newlength{\maketitledetailwidth}
7273 \renewcommand*{\recomputethemelengths}{%

```




```

7274 \setlength{\maketitledetailswidth}{\textwidth}%
7275 \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
7276 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7277 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}%
7278 \recomputethemelengths
7279 \newif\if@firstdetailselement\@firstdetailselementtrue
7280 \newcommand*{\maketitledetailsnewline}{%
7281   \if@firstdetailselement%
7282     \@firstdetailselementfalse%
7283   \else%
7284     \[.2em]\fi}
7285 \renewcommand*{\maketitle}{%
7286   % name and title
7287   \begin{minipage}[b]{\maketitlenamewidth}%
7288     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7289     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
7290   \end{minipage}%
7291   % optional data
7292   \begin{minipage}[b]{\maketitledetailswidth}%
7293     \bidi@raggedleft\addressfont\@addresscolour%
7294     \ifthenelse{\isundefined{\@address}}{\}%
7295     \maketitledetailsnewline%
7296     \addresssymbol~\@address}%
7297     \ifthenelse{\isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
7298     \ifthenelse{\isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
7299     \ifthenelse{\isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
7300     \ifthenelse{\isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emailink{\@email}%
7301     \ifthenelse{\isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%
7302   \end{minipage}%
7303   % optional photo
7304   \ifthenelse{\isundefined{\@photo}}{\}%
7305   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitledetailswidth]{\@photo}}}%
7306   % optional quote
7307   \ifthenelse{\isundefined{\@quote}}{\}%
7308   {\}%
7309   {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]
7310 }
7311 }

```

7.48 dblfnote-xetex-bidi.def

```

7312 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for xetex]
7313 \let\autofootnoterule\relax
7314 \let\rightfootnoterule\relax
7315 \let\leftfootnoterule\relax
7316 \let\textwidthfootnoterule\relax
7317 \let\Lrfootnoterule\relax
7318 \def\footnoterule{\kern-3\p@
7319   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7320 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}

```



```

7321 \let\@footnotetext\dfn@footnotetext}
7322 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
7323     \let\insert\dfn@gobble
7324     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7325     \def\@makefnmark{\smash{\dfn@makefnmark}}
7326     \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7327     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7328     \ifdim\dfn@dima>\z@\else
7329         \dfn@dima\sp\relax
7330     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7331     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7332         \ifvoid\dfn@ins\else
7333             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7334             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7335     \setbox\dfn@boxa\copy\dfn@ins
7336     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7337     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7338     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7339     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7340     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7341 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7342 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7343 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7344     \let\insert\dfn@gobble
7345     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7346     \def\@makefnmark{\smash{\dfn@makefnmark}}
7347     \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7348     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7349     \ifdim\dfn@dima>\z@\else
7350         \dfn@dima\sp\relax
7351     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7352     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7353         \ifvoid\dfn@ins\else
7354             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7355             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7356     \setbox\dfn@boxa\copy\dfn@ins
7357     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7358     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7359     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7360     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7361     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7362 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7363 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7364 \def\dfn@RTLmakecol{{\ifvoid\footins\else
7365     \dfn@dima\ht\footins
7366     \@tempcnta\z@ \dfn@countins
7367     \@tempdima\z@ \let\@elt\dfn@elt@getht
7368     \dfn@list\@nil
7369     \ifdim\@tempdima=\z@\else
7370     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@

```



```

7371 \global\setbox\dfn@ins\box\dfn@ins
7372 \@tempwattrue
7373 \ifdfn@trysingle
7374     \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7375     \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7376     \advance\@tempdima-\skip\footins
7377     \advance\@tempdima-\ht\dfn@boxa
7378     \ifdim\@tempdima<z@\else \@tempwafalse
7379         \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7380             \footnoterule \unvbox\dfn@boxa}\fi\fi
7381 \if@tempswa
7382 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7383 \global\setbox\footins\vbox{\hbox{%
7384     \hskip \DFNcolumnwidth
7385     \hskip\DFNcolumnsep
7386     \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7387         \unvbox\dfn@boxb\vss}\hss}
7388     \hskip -\textwidth
7389     \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7390         \vbox to\@tempdima{
7391             \setbox\@tempboxa\vbox{\footnoterule}
7392             \ifdfn@ruleboth \unvbox\@tempboxa
7393             \else \@tempdima\ht\@tempboxa
7394                 \advance\@tempdima\dp\@tempboxa
7395                 \vskip\@tempdima
7396                 \prevdepth\dp\@tempboxa \fi
7397             \unvbox\dfn@boxa\vss}\fi\hss}
7398             \hskip \DFNcolumnsep
7399             \hskip \DFNcolumnwidth}}\fi\fi
7400 \global\dfn@fnht\z@
7401 \ifx\dfn@list\@empty\else
7402     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7403     \dfn@list \global\advance\dfn@fnht\dfn@dimb
7404     \let\@elt\relax
7405     \ifdim\dfn@dimb>\z@
7406         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7407         \insert\footins{\floatingpenalty\@MM
7408             \vbox to\dfn@dimb{}}\fi
7409     \ifdim\dfn@fnht>\@tempdima
7410         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7411         \global\dfn@fnht\@tempdima
7412         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7413         \xdef\dfn@afteroutput{\insert\footins{
7414             \floatingpenalty\@MM
7415             \vbox to\number\@tempdimb sp{}}%
7416             \global\let\noexpand\dfn@afteroutput\relax}%
7417     \fi\fi
7418 \fi}%
7419 \let\footnoterule\relax \dfn@latex@makecol
7420 \let\footnoterule\dfn@footnoterule}

```



```

7421 \def\dfn@LTRmakecol{\ifvoid\footins\else
7422     \dfn@dima\ht\footins
7423     \@tempcnta\z@ \dfn@countins
7424     \@tempdima\z@ \let\@elt\dfn@elt@getht
7425     \dfn@list\@nil
7426     \ifdim\@tempdima=\z@\else
7427     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7428     \global\setbox\dfn@ins\box\dfn@ins
7429     \@tempwattrue
7430     \ifdfn@trysingle
7431         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7432         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7433         \advance\@tempdima-\skip\footins
7434         \advance\@tempdima-\ht\dfn@boxa
7435         \ifdim\@tempdima<\z@\else \@tempswafalse
7436             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7437                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7438     \if@tempswa
7439     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7440     \global\setbox\footins\vbox{\hbox{%
7441         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7442             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7443         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7444             \vbox to\@tempdima{
7445                 \setbox\@tempboxa\vbox{\footnoterule}
7446                 \ifdfn@ruleboth \unvbox\@tempboxa
7447                 \else \@tempdima\ht\@tempboxa
7448                     \advance\@tempdima\dp\@tempboxa
7449                     \vskip\@tempdima
7450                     \prevdepth\dp\@tempboxa \fi
7451                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7452     \global\dfn@fnht\z@
7453     \ifx\dfn@list\@empty\else
7454         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7455         \dfn@list \global\advance\dfn@fnht\dfn@dimb
7456         \let\@elt\relax
7457         \ifdim\dfn@dimb>\z@
7458             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7459             \insert\footins{\floatingpenalty\@MM
7460                 \vbox to\dfn@dimb{}}\fi
7461         \ifdim\dfn@fnht>\@tempdima
7462             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7463             \global\dfn@fnht\@tempdima
7464             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7465             \xdef\dfn@afteroutput{\insert\footins{
7466                 \floatingpenalty\@MM
7467                 \vbox to\number\@tempdimb sp{}}}%
7468             \global\let\noexpand\dfn@afteroutput\relax}%
7469     \fi\fi
7470 \fi}%

```



```

7471 \let\footnoterule\relax \dfn@latex@makecol
7472 \let\footnoterule\dfn@footnoterule}
7473 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7474 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7475 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7476 \DFNalwaysdouble

```

7.49 draftwatermark-xetex-bidi.def

```

7477 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar
7478 \renewcommand\SetWatermarkText[1]{%
7479 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.50 eso-pic-xetex-bidi.def

```

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

```



```

7516   \endgroup
7517 }
7518 }

```

7.51 empheq-xetex-bidi.def

```

7519 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7520 \MHInternalSyntaxOn
7521 \def\EQ_tag_plus_endmark:{%
7522   \iftagsleft@
7523     \gdef\maketag@@@##1{%
7524       \hfuzz\displaywidth
7525       \ifRTL\makebox[\widthof{##1}][r]{%
7526         \hbox to \displaywidth{\m@th\normalfont##1\hss
7527           \raisebox{-\dp\EQ_mathdisplay_box
7528             -\depthof\EQ_outerbox:}}{}}
7529         {\PotEndMark{\hss}}}}
7530     \else\makebox[\widthof{##1}][l]{%
7531       \hbox to \displaywidth{\m@th\normalfont##1\hss
7532         \raisebox{-\dp\EQ_mathdisplay_box
7533           -\depthof\EQ_outerbox:}}{}}
7534       {\PotEndMark{\hss}}}\fi}%
7535 \else:
7536   \gdef\maketag@@@##1{%
7537     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
7538       \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
7539       \MH_addtolength:dn \@tempdima
7540       {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7541       \setlength{\@tempdimb}
7542       {\g_EQ_bottomrow_depth_dim+\depthof\EQ_outerbox:}}
7543       +\depthof\EQ_innerbox:}}}}
7544     \if_dim:w \@tempdima>\@tempdimb
7545       \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7546         -\@tempdima+\g_EQ_bottomrow_depth_dim}
7547       \addtolength{\@tempdima}{\depthof\EQ_innerbox:}}}%
7548     \def\EQ_next:{\raisebox{\@tempdima}}%
7549     \else:
7550       \def\EQ_next:{
7551         \raisebox{-\dp\EQ_mathdisplay_box
7552           -\depthof\EQ_outerbox:}}}%
7553     \fi:\EQ_next:}}}%
7554   \fi:}
7555 \def\EQ_post_process:{%
7556   \EQ_initialize:
7557   \EQ_begin_equation:
7558   \MH_if_boolean:nT {outer_mult}{
7559     \setkeys{MT_options_name:}{
7560       firstline-afterskip=0pt,
7561       lastline-preskip=0pt,
7562       multlined-width=0pt,

```



```

7563 }
7564 \ifodd \l_EQ_alignmentmode_int
7565   \setkeys{MT_options_name:}{multlined-pos=b}
7566 \else:
7567   \setkeys{MT_options_name:}{multlined-pos=t}
7568 \fi:
7569 \g@addto@macro\EQ_complete_mathdisplay:{
7570   \begin{MTmultlined}\relax}
7571 }
7572 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7573 \MH_if_boolean:nT {outer_mult}{
7574   \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7575 }
7576 \EQ_end_equation:
7577 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7578 \savecounters@
7579 \EQ_typeset_tags:
7580 \edef\l_EQ_equation_fint{\number\c@equation}
7581 \restorecounters@
7582 \Hy@linkcounter=\EQ_hyperref_link_fint
7583 \settoheight\l_EQ_totalwidth_dim{%
7584   $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
7585 \MH_if_boolean:nTF {outer_mult}
7586   { \def\EQ_next:{_mult} }
7587   { \def\EQ_next:{} }
7588 \@nameuse{EQ_modify_linewidth_
7589   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7590 \EQ_typeset_display:
7591 \@nameuse{find_displaywidth_
7592   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7593 \MH_addtolength:dn
7594   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7595 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7596   $\EQ_left_side:
7597   \EQ_innerbox:{%
7598     \if_case:w \l_EQ_alignmentmode_int\or:
7599       \makebox[\l_EQ_displaywidth_dim][c]
7600       {\usebox{\EQ_mathdisplay_box}}}%
7601   \or:
7602     \makebox[\l_EQ_displaywidth_dim][c]
7603     {\usebox{\EQ_mathdisplay_box}}}%
7604   \or:
7605     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7606       \if_num:w \l_EQ_equationtype_int=5 \else:
7607         \if_num:w \l_EQ_equationtype_int=6 \else:
7608           \kern-\@mathmargin
7609         \fi:
7610       \fi:
7611       \usebox{\EQ_mathdisplay_box}}}%
7612   \else\makebox[\l_EQ_displaywidth_dim][l]{%

```



```

7613         \if_num:w \l_EQ_equationtype_int=5 \else:
7614         \if_num:w \l_EQ_equationtype_int=6 \else:
7615         \kern-\@mathmargin
7616         \fi:
7617         \fi:
7618         \usebox{\EQ_mathdisplay_box}}\fi%
7619     \or:
7620     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7621     \if_num:w \l_EQ_equationtype_int=5 \else:
7622     \if_num:w \l_EQ_equationtype_int=6 \else:
7623     \kern-\@mathmargin
7624     \fi:
7625     \fi:
7626     \usebox{\EQ_mathdisplay_box}}
7627     \else\makebox[\l_EQ_displaywidth_dim][l]{%
7628     \if_num:w \l_EQ_equationtype_int=5 \else:
7629     \if_num:w \l_EQ_equationtype_int=6 \else:
7630     \kern-\@mathmargin
7631     \fi:
7632     \fi:
7633     \usebox{\EQ_mathdisplay_box}}\fi%
7634     \fi:}%
7635     \EQ_right_side:$}%
7636     \begin{AmSequation*}
7637     \@nameuse{EQ_place_display_
7638     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7639     \if_dim:w \g_EQ_widesttag_dim>\z@
7640     \MH_set_boolean_T:n {show_manual_tags}
7641     \if_case:w \l_EQ_alignmentmode_int
7642     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7643     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7644     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7645     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7646     \fi:
7647     \fi:
7648     \end{AmSequation*}
7649     \global\c@equation=\l_EQ_equation_fint\relax
7650 }
7651 \AtBeginDocument{%
7652 \ifpackageloaded{fancybox}{%
7653 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7654 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
7655 \renewcommand*\shadowbox{%
7656 \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
7657 \VerbBox\EQ_shadowbox:n}
7658 {\MH_set_boolean_F:n {shadowbox_star}
7659 \VerbBox\EQ_shadowbox:n}}
7660 \def\EQ_shadowbox:n #1{%
7661 \sbox{\z@}{\fbox{#1}}%
7662 \MH_if_boolean:nTF {shadowbox_star}{

```




```

7663     \MH_setlength:dn \@tempdima{\z@}%
7664   }{
7665     \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
7666   }
7667   \raisebox{\@tempdima}{%
7668     \if@RTL\makebox[\z@][r]{%
7669       \kern\shadowsize \textcolor{shadowcolor}{%
7670         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7671     }%
7672     \else\makebox[\z@][l]{%
7673       \kern\shadowsize \textcolor{shadowcolor}{%
7674         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7675     }%
7676     \usebox\z@\textcolor{shadowcolor}{%
7677       \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
7678   }{}%
7679 }
7680 \MHInternalSyntaxOff

```

7.52 extarticle-xetex-bidi.def

```

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

```



```

7710 \ifnum \c@secnumdepth >\m@ne
7711 \refstepcounter{part}%
7712 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7713 \else
7714 \addcontentsline{toc}{part}{#1}%
7715 \fi
7716 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7717 \interlinepenalty \M
7718 \normalfont
7719 \ifnum \c@secnumdepth >\m@ne
7720 \Large\bfseries \partname~\thepart
7721 \par\nobreak
7722 \fi
7723 \huge \bfseries #2%
7724 \markboth{}{}\par}%
7725 \nobreak
7726 \vskip 3ex
7727 \@afterheading}
7728 \def\@spart#1{%
7729 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7730 \interlinepenalty \M
7731 \normalfont
7732 \huge \bfseries #1\par}%
7733 \nobreak
7734 \vskip 3ex
7735 \@afterheading}
7736 \renewenvironment{thebibliography}[1]
7737 {\section*{\refname
7738 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7739 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7740 \list{\@biblabel{\@arabic\c@enumiv}}%
7741 {\settowidth\labelwidth{\@biblabel{#1}}%
7742 \leftmargin\labelwidth
7743 \advance\leftmargin\labelsep
7744 \@openbib@code
7745 \usecounter{enumiv}%
7746 \let\p@enumiv\@empty
7747 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7748 \sloppy\clubpenalty4000\widowpenalty4000%
7749 \sfcode`.\@m}
7750 {\def\@noitemerr
7751 {\@latex@warning{Empty `thebibliography' environment}}%
7752 \endlist}
7753 \renewcommand\left@footnoterule{%
7754 \kern-3\p@
7755 \hrule\@width.4\columnwidth
7756 \kern2.6\p@}
7757 \renewcommand\right@footnoterule{%
7758 \kern-3\p@
7759 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }}

```



```

7760 \kern2.6\p@}
7761 \if@titlepage
7762 \renewcommand\maketitle{\begin{titlepage}%
7763 \let\footnotesize\small
7764 \let\right@footnoterule\relax
7765 \let\left@footnoterule\relax
7766 \let\textwidth@footnoterule\relax
7767 \let \footnote \thanks
7768 \null\vfil
7769 \vskip 60\p@
7770 \begin{center}%
7771 {\LARGE \@title \par}%
7772 \vskip 3em%
7773 {\large
7774 \lineskip .75em%
7775 \begin{tabular}[t]{c}%
7776 \@author
7777 \end{tabular}\par}%
7778 \vskip 1.5em%
7779 {\large \@date \par}% % Set date in \large size.
7780 \end{center}\par
7781 \@thanks
7782 \vfil\null
7783 \end{titlepage}%
7784 \setcounter{footnote}{0}%
7785 \global\let\thanks\relax
7786 \global\let\maketitle\relax
7787 \global\let\@thanks\@empty
7788 \global\let\@author\@empty
7789 \global\let\@date\@empty
7790 \global\let\@title\@empty
7791 \global\let\title\relax
7792 \global\let\author\relax
7793 \global\let\date\relax
7794 \global\let\and\relax
7795 }
7796 \else
7797 \renewcommand\maketitle{\par
7798 \begingroup
7799 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7800 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7801 \long\def\@makefntext##1{\parindent 1em\noindent
7802 \hb@xt@1.8em{%
7803 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7804 \if@twocolumn
7805 \ifnum \col@number=\@ne
7806 \@maketitle
7807 \else
7808 \twocolumn[\@maketitle]%
7809 \fi

```



```

7810 \else
7811 \newpage
7812 \global\@topnum\z@ % Prevents figures from going at top of page.
7813 \@maketitle
7814 \fi
7815 \thispagestyle{plain}\@thanks
7816 \endgroup
7817 \setcounter{footnote}{0}%
7818 \global\let\thanks\relax
7819 \global\let\maketitle\relax
7820 \global\let\@maketitle\relax
7821 \global\let\@thanks\@empty
7822 \global\let\@author\@empty
7823 \global\let\@date\@empty
7824 \global\let\@title\@empty
7825 \global\let\title\relax
7826 \global\let\author\relax
7827 \global\let\date\relax
7828 \global\let\and\relax
7829 }
7830 \def\@maketitle{%
7831 \newpage
7832 \null
7833 \vskip 2em%
7834 \begin{center}%
7835 \let \footnote \thanks
7836 {\LARGE \@title \par}%
7837 \vskip 1.5em%
7838 {\large
7839 \lineskip .5em%
7840 \begin{tabular}[t]{c}%
7841 \@author
7842 \end{tabular}\par}%
7843 \vskip 1em%
7844 {\large \@date}%
7845 \end{center}%
7846 \par
7847 \vskip 1.5em}
7848 \fi
7849 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
7850 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7851 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7852 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.53 extbook-xetex-bidi.def

```

7853 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7854 \if@titlepage
7855 \renewcommand\maketitle{\begin{titlepage}%
7856 \let\footnotesize\small

```



```

7857 \let\right@footnoterule\relax
7858 \let\left@footnoterule\relax
7859 \let\textwidth@footnoterule\relax
7860 \let \footnote \thanks
7861 \let \LTRfootnote \LTRthanks
7862 \let \RTLfootnote \RTLthanks
7863 \null\vfil
7864 \vskip 60\p@
7865 \begin{center}%
7866   {\LARGE \@title \par}%
7867   \vskip 3em%
7868   {\large
7869     \lineskip .75em%
7870     \begin{tabular}[t]{c}%
7871       \@author
7872     \end{tabular}\par}%
7873     \vskip 1.5em%
7874     {\large \@date \par}%           % Set date in \large size.
7875 \end{center}\par
7876 \@thanks
7877 \vfil\null
7878 \end{titlepage}%
7879 \setcounter{footnote}{0}%
7880 \global\let\thanks\relax
7881 \global\let\LTRthanks\relax
7882 \global\let\RTLthanks\relax
7883 \global\let\maketitle\relax
7884 \global\let\@thanks\@empty
7885 \global\let\@author\@empty
7886 \global\let\@date\@empty
7887 \global\let\@title\@empty
7888 \global\let\title\relax
7889 \global\let\author\relax
7890 \global\let\date\relax
7891 \global\let\and\relax
7892 }
7893 \else
7894 \renewcommand\maketitle{\par
7895   \begingroup
7896     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7897     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7898     \long\def\@makefntext##1{\parindent 1em\noindent
7899       \hb@xt@1.8em{%
7900         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7901     \if@twocolumn
7902       \ifnum \col@number=\@ne
7903         \@maketitle
7904       \else
7905         \twocolumn[\@maketitle]%
7906       \fi

```



```

7907 \else
7908 \newpage
7909 \global\let\topnum\z@ % Prevents figures from going at top of page.
7910 \@maketitle
7911 \fi
7912 \thispagestyle{plain}\@thanks
7913 \endgroup
7914 \setcounter{footnote}{0}%
7915 \global\let\thanks\relax
7916 \global\let\LTRthanks\relax
7917 \global\let\RTLthanks\relax
7918 \global\let\maketitle\relax
7919 \global\let\@maketitle\relax
7920 \global\let\@thanks\@empty
7921 \global\let\@author\@empty
7922 \global\let\@date\@empty
7923 \global\let\@title\@empty
7924 \global\let\title\relax
7925 \global\let\author\relax
7926 \global\let\date\relax
7927 \global\let\and\relax
7928 }
7929 \def\@maketitle{%
7930 \newpage
7931 \null
7932 \vskip 2em%
7933 \begin{center}%
7934 \let \footnote \thanks
7935 \let \LTRfootnote \LTRthanks
7936 \let \RTLfootnote \RTLthanks
7937 {\LARGE \@title \par}%
7938 \vskip 1.5em%
7939 {\large
7940 \lineskip .5em%
7941 \begin{tabular}[t]{c}%
7942 \@author
7943 \end{tabular}\par}%
7944 \vskip 1em%
7945 {\large \@date}%
7946 \end{center}%
7947 \par
7948 \vskip 1.5em}
7949 \fi
7950 \renewcommand*{\l@part[2]}{%
7951 \ifnum \c@tocdepth >-2\relax
7952 \addpenalty{-\@highpenalty}%
7953 \addvspace{2.25em \@plus\p@}%
7954 \begingroup
7955 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7956 \parfillskip -\@pnumwidth

```



```

7957      {\leavevmode
7958       \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
7959       \nobreak
7960       \global\@nobreaktrue
7961       \everypar{\global\@nobreakfalse\everypar{}}}%
7962     \endgroup
7963   \fi}
7964 \renewcommand\theequation
7965   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7966 \renewcommand \thefigure
7967   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7968 \renewcommand \thetable
7969   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7970 \renewcommand \thechapter {\@arabic\c@chapter}
7971 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7972 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7973 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
7974 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
7975 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
7976 \def\@makechapterhead#1{%
7977   \vspace*{50\p@}%
7978   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7979     \ifnum \c@secnumdepth >\m@ne
7980       \if@mainmatter
7981         \huge\bfseries \@chapapp\space \thechapter
7982         \par\nobreak
7983         \vskip 20\p@
7984       \fi
7985     \fi
7986     \interlinepenalty\@M
7987     \Huge \bfseries #1\par\nobreak
7988     \vskip 40\p@
7989   }}
7990
7991 \def\@makeschapterhead#1{%
7992   \vspace*{50\p@}%
7993   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7994     \normalfont
7995     \interlinepenalty\@M
7996     \Huge \bfseries #1\par\nobreak
7997     \vskip 40\p@
7998   }}
7999 \renewcommand\backmatter{%
8000   \if@openright
8001     \cleardoublepage
8002   \else
8003     \clearpage
8004   \fi
8005   \@mainmatterfalse}
8006 \renewenvironment{thebibliography}[1]

```



```

8007     {\chapter*{\bibname
8008         \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8009     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8010     \list{\@biblabel{\@arabic\c@enumiv}}%
8011         {\settowidth\labelwidth{\@biblabel{#1}}%
8012         \leftmargin\labelwidth
8013         \advance\leftmargin\labelsep
8014         \@openbib@code
8015         \usecounter{enumiv}%
8016         \let\p@enumiv\@empty
8017         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8018     \sloppy
8019     \clubpenalty4000
8020     \@clubpenalty \clubpenalty
8021     \widowpenalty4000%
8022     \sfcode`.\@m}
8023     {\def\@noitemerr
8024         {\@latex@warning{Empty `thebibliography' environment}}}%
8025     \endlist}

```

7.54 extletter-xetex-bidi.def

```

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

```




```

8054 \kern .6\p@}
8055 \renewcommand\right@footnoterule{%
8056 \kern-\p@
8057 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8058 \kern .6\p@}

```

7.55 extrafootnotefeatures-xetex-bidi.def

```

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

```



```

8101 \renewcommand{\@LTRfootnotetext}[1]{%
8102     \insert\footins{%
8103         \@RTLfalse%
8104         \def\baselinestretch{\m@m@footnote@spacing}%
8105         \reset@font
8106         \LTRfoottextfont
8107         \@preamfntext
8108         \hsize\columnwidth
8109         \protected@edef\@currentlabel{%
8110             \csname p@footnote\endcsname\@thefnmark}%
8111         \color@begingroup
8112         \@makefntext{%
8113             \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8114             \@finalstrut\strutbox}%
8115         \color@endgroup}%
8116     \m@mmf@prepare}
8117 \renewcommand{\@mpfootnotetext}[1]{%
8118     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8119         \unvbox\@mpfootins
8120         \def\baselinestretch{\m@m@footnote@spacing}%
8121         \foottextfont \hsize\columnwidth \@parboxrestore
8122         \protected@edef\@currentlabel{%
8123             \csname p@mpfootnote\endcsname\@thefnmark}%
8124         \color@begingroup
8125         \reset@font%
8126         \@makefntext{%
8127             \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8128             \@finalstrut\strutbox}%
8129         \color@endgroup}}
8130 \renewcommand{\@mpLTRfootnotetext}[1]{%
8131     \global\setbox\@mpfootins\vbox{\@RTLfalse%
8132         \unvbox\@mpfootins
8133         \def\baselinestretch{\m@m@footnote@spacing}%
8134         \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8135         \protected@edef\@currentlabel{%
8136             \csname p@mpfootnote\endcsname\@thefnmark}%
8137         \color@begingroup
8138         \reset@font%
8139         \@makefntext{%
8140             \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8141             \@finalstrut\strutbox}%
8142         \color@endgroup}}
8143 \renewcommand{\@mpRTLfootnotetext}[1]{%
8144     \global\setbox\@mpfootins\vbox{\@RTLtrue%
8145         \unvbox\@mpfootins
8146         \def\baselinestretch{\m@m@footnote@spacing}%
8147         \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8148         \protected@edef\@currentlabel{%
8149             \csname p@mpfootnote\endcsname\@thefnmark}%
8150         \color@begingroup

```



```

8151 \reset@font%
8152 \makefnintext{%
8153 \rule{z@footnotesep}{\ignorespaces{\RTLfoottextfont #1}}%
8154 \@finalstrut\strutbox}%
8155 \color@endgroup}}
8156 \let\m@mold@footnotetext\@footnotetext
8157 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8158 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8159 \let\m@mold@mpfootnotetext\@mpfootnotetext
8160 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8161 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8162 \bidi@ensure@newcommand{\normalfootnotes}{%
8163 \let\@footnotetext\m@mold@footnotetext
8164 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8165 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8166 \let\@mpfootnotetext\m@mold@mpfootnotetext
8167 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8168 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
8169 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8170 \bidi@ensure@newcommand*\@RTLcolumnfootnotes{\@RTLcolumnfootnotetrue}
8171 \bidi@ensure@newcommand*\@LTRcolumnfootnotes{\@RTLcolumnfootnotetrue}
8172 \bidi@ensure@newcommand*\@setSingleSpace}[1]{%
8173 \def\m@m@singlespace{#1}%
8174 \def\m@m@footnote@spacing{#1}%
8175 \def\m@m@float@spacing{#1} %
8176 }
8177 \setSingleSpace{1}
8178 \bidi@ensure@newcommand*\@multiplefootnotemarker}{3sp}
8179 \bidi@ensure@newcommand*\@mmf@prepare}{%
8180 \kern-\multiplefootnotemarker
8181 \kern\multiplefootnotemarker\relax}
8182 \bidi@ensure@newlength{\footmarkwidth}
8183 \bidi@ensure@newlength{\footmarksep}
8184 \bidi@ensure@newlength{\footparindent}
8185 \bidi@ensure@newcommand*\@footmarkstyle}[1]{\def\footscript##1{#1}}
8186 \bidi@ensure@newcommand*\@LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8187 \bidi@ensure@newcommand*\@RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8188 \bidi@ensure@newcommand{\footfootmark}{%
8189 \ifdim\footmarkwidth < \z@
8190 \llap{\hb@xt@ -\footmarkwidth{%
8191 \hss\normalfont\footscript{\@thefnmark}}}%
8192 \hspace*{-\footmarkwidth}}%
8193 \else
8194 \ifdim\footmarkwidth = \z@
8195 {\normalfont\footscript{\@thefnmark}}%
8196 \else
8197 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8198 \fi
8199 \fi}
8200 \bidi@ensure@newcommand{\LTRfootfootmark}{%

```



```

8201 \ifdim\footmarkwidth < \z@
8202   \llap{\hb@xt@ -\footmarkwidth{%
8203     \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8204     \hspace*{-\footmarkwidth}}}%
8205 \else
8206   \ifdim\footmarkwidth = \z@
8207     {\normalfont\LTRfootscript{\@thefnmark}}}%
8208   \else
8209     \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}}%
8210   \fi
8211 \fi}
8212 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8213   \ifdim\footmarkwidth < \z@
8214     \llap{\hb@xt@ -\footmarkwidth{%
8215       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8216       \hspace*{-\footmarkwidth}}}%
8217   \else
8218     \ifdim\footmarkwidth = \z@
8219       {\normalfont\RTLfootscript{\@thefnmark}}}%
8220     \else
8221       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}}%
8222     \fi
8223   \fi}
8224 \footmarkstyle{\textsuperscript{#1}}
8225 \LTRfootmarkstyle{\textsuperscript{#1}}
8226 \RTLfootmarkstyle{\textsuperscript{#1}}
8227 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8228 \setlength{\footparindent}{1em}
8229 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8230 \bidi@ensure@newcommand*{\extrafeetins}{%
8231   \setbox\@outputbox \vbox{%
8232     \boxmaxdepth \@maxdepth
8233     \unvbox\@outputbox
8234     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8235     \extrafeetinshook}}
8236 \bidi@ensure@newcommand{\extrafeetinshook}{%
8237   \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8238   \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8239   \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8240   \bidi@ensure@newlength{\footinsdim}
8241   \setlength{\footinsdim}{8in} % standard for \dimen\footins
8242   \bidi@ensure@newcommand{\@preamfntext}{%
8243     \interlinepenalty\interfootnotelinepenalty
8244     \floatingpenalty \@MM
8245     \splittopskip=\footnotesep
8246     \splitmaxdepth=\dp\strutbox
8247     \@parboxrestore}
8248   \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8249     \extrafeetminihook}
8250   \bidi@ensure@newcommand{\extrafeetendmini}{%

```



```

8251 \ifvoid\@mpfootinsv@r\else
8252     \vskip\skip\@mpfootins
8253     \normalcolor\footnoterule\mp@footgroupv@r
8254 \fi
8255 \extrafeetendminihook}
8256 \bidi@ensure@newcommand{\extrafeetendminihook}{}
8257 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8258 \def\endminipage{%
8259     \par
8260     \unskip
8261     \ifvoid\@mpfootins\else
8262         \vskip\skip\@mpfootins
8263         \normalcolor
8264         \footnoterule
8265         \unvbox\@mpfootins
8266     \fi
8267     \m@mdoextrafeetendmini
8268     \@minipagefalse
8269     \color@endgroup
8270 \egroup
8271 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
8272 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8273     \namedef{\@footstart#1}{%
8274         \bidi@mopfn@bottom
8275         \vskip\bigskipamount
8276         \leftskip=\z@
8277         \rightskip=\z@
8278         \footnoterule}}
8279 \newinsert\footinsv@r
8280 \skip\footinsv@r\bigskipamount
8281 \count\footinsv@r=1000 % no magnification
8282 \dimen\footinsv@r=\footinsdim
8283 \m@make@footstart{v@r}
8284 \bidi@ensure@newcommand{\@footgroupv@r}{}
8285 \newinsert\@mpfootinsv@r
8286 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
8287 \newcount\m@m@k \newdimen\m@m@h
8288 \ifpackageloaded{multicol}{%
8289     \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8290         \hsize\textwidth
8291         \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8292             \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8293 }{%
8294     \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8295         \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8296             \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8297 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8298     \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8299 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8300     \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h

```



```

8301 \setbox2 \vsplit0 to \dimen0
8302 \unvbox2 }
8303 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8304 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8305 \let\@footnotetext\@twocolfootnotetext
8306 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8307 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8308 \dimen\footinsv@r=2\footinsdim
8309 \count\footinsv@r=500\relax
8310 \m@make@twocol@footgroup{v@r}%
8311 \let\@footgroupv@r\@twocol@footgroupv@r
8312 \let\@mpfootnotetext\@mptwocolfootnotetext
8313 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8314 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8315 \m@make@mptwocol@footgroup{v@r}%
8316 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
8317 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8318 \def\baselinestretch{\m@m@footnote@spacing}%
8319 \reset@font\foottextfont
8320 \@preamfntext
8321 \protected@edef\@currentlabel{%
8322 \csname p@footnote\endcsname\@thefnmark}%
8323 \color@begingroup
8324 \@twocolfootfmt{#1}%
8325 \color@endgroup}%
8326 \m@mmf@prepare}
8327 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8328 \def\baselinestretch{\m@m@footnote@spacing}%
8329 \reset@font\LTRfoottextfont
8330 \@preamfntext
8331 \protected@edef\@currentlabel{%
8332 \csname p@footnote\endcsname\@thefnmark}%
8333 \color@begingroup
8334 \@twocolLTRfootfmt{#1}%
8335 \color@endgroup}%
8336 \m@mmf@prepare}
8337 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8338 \def\baselinestretch{\m@m@footnote@spacing}%
8339 \reset@font\RTLfoottextfont
8340 \@preamfntext
8341 \protected@edef\@currentlabel{%
8342 \csname p@footnote\endcsname\@thefnmark}%
8343 \color@begingroup
8344 \@twocolRTLfootfmt{#1}%
8345 \color@endgroup}%
8346 \m@mmf@prepare}
8347 \bidi@ensure@newcommand{\@preamtwofmt}{%
8348 \hsize .45\hsize
8349 \parindent=\z@
8350 \tolerance=5000\relax

```



```

8351 \leavevmode}
8352 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8353 \@preamtwofmt
8354 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8355 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8356 \@preamtwofmt
8357 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8358 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8359 \@preamtwofmt
8360 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8361 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8362 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8363 \unvbox\@mpfootinsv@r
8364 \def\baselinestretch{\m@m@footnote@spacing}%
8365 \reset@font\foottextfont
8366 \hsize\columnwidth \@parboxrestore
8367 \protected@edef\@currentlabel{%
8368 \csname p@mpfootnote\endcsname\@thefnmark}%
8369 \color@begingroup
8370 \@twocolfootfmt{#1}%
8371 \color@endgroup}%
8372 \m@mmf@prepare}
8373 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8374 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8375 \unvbox\@mpfootinsv@r
8376 \def\baselinestretch{\m@m@footnote@spacing}%
8377 \reset@font\LTRfoottextfont
8378 \hsize\columnwidth \@parboxrestore
8379 \if@RTLcolumnfootnotes\beginL\fi
8380 \protected@edef\@currentlabel{%
8381 \csname p@mpfootnote\endcsname\@thefnmark}%
8382 \color@begingroup
8383 \@twocolLTRfootfmt{#1}%
8384 \color@endgroup}%
8385 \m@mmf@prepare}
8386 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8387 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8388 \unvbox\@mpfootinsv@r
8389 \def\baselinestretch{\m@m@footnote@spacing}%
8390 \reset@font\RTLfoottextfont
8391 \hsize\columnwidth \@parboxrestore
8392 \protected@edef\@currentlabel{%
8393 \csname p@mpfootnote\endcsname\@thefnmark}%
8394 \color@begingroup
8395 \@twocolRTLfootfmt{#1}%
8396 \color@endgroup}%
8397 \m@mmf@prepare}
8398 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8399 \m@make@twocolfootnotetext{#1}%
8400 \m@make@mptwocolfootnotetext{#1}%

```



```

8401 \m@make@twocolfootfmt{#1}%
8402 \m@make@twocol@footgroup{#1}%
8403 \m@make@mp@twocol@footgroup{#1}%
8404 \m@make@footstart{#1}%
8405 \bidi@namelongdef{@footnotetext#1}##1{%
8406   \@nameuse{@twocolfootnotetext#1}{##1}}%
8407 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8408   \@nameuse{@mp@twocolfootnotetext#1}{##1}}%
8409 \@namedef{@footgroup#1}{\@nameuse{@twocol@footgroup#1}}%
8410 \@namedef{@mp@footgroup#1}{\@nameuse{@mp@twocol@footgroup#1}}%
8411 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8412 \expandafter\count\csname footins#1\endcsname=500\relax}
8413 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8414   \bidi@namelongdef{@twocolfootnotetext#1}##1{%
8415     \insert\@nameuse{footins#1}{%
8416       \def\baselinestretch{\m@m@footnote@spacing}%
8417       \reset@font\@nameuse{foottextfont#1}%
8418       \@preamfntext
8419       \protected@edef\@currentlabel{%
8420         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8421       \color@begingroup
8422       \@nameuse{@twocolfootfmt#1}{##1}%
8423       \color@endgroup}%
8424     \m@m@mmf@prepare}}
8425 \bidi@ensure@newcommand{\m@make@mp@twocolfootnotetext}[1]{%
8426   \bidi@namelongdef{@mpfootnotetext#1}##1{%
8427     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8428       \unvbox\@nameuse{@mpfootins#1}
8429       \def\baselinestretch{\m@m@footnote@spacing}%
8430       \reset@font\@nameuse{foottextfont#1}%
8431       \hsize\columnwidth \@parboxrestore
8432       \protected@edef\@currentlabel{%
8433         \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8434       \color@begingroup
8435       \@nameuse{@twocolfootfmt#1}{##1}%
8436       \color@endgroup}\m@m@mmf@prepare}}
8437 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8438   \@namedef{@twocolfootfmt#1}##1{%
8439     \@preamtwofmt
8440     {\@nameuse{footfootmark#1}\strut
8441      {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
8442 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8443   \@namedef{@twocol@footgroup#1}{%
8444     \def\baselinestretch{\m@m@footnote@spacing}%
8445     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8446     \m@m@rrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8447 \bidi@ensure@newcommand{\m@make@mp@twocol@footgroup}[1]{%
8448   \@namedef{@mp@twocol@footgroup#1}{%
8449     \def\baselinestretch{\m@m@footnote@spacing}%
8450     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```




```

8451 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
8452 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8453 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8454 \let\@footnotetext\@threecolfootnotetext
8455 \let\@LTRfootnotetext\@threecolLTRfootnotetext
8456 \let\@RTLfootnotetext\@threecolRTLfootnotetext
8457 \dimen\footinsv@r=3\footinsdim
8458 \count\footinsv@r=333\relax
8459 \m@make@threecol@footgroup{v@r}%
8460 \let\@footgroupv@r\@threecol@footgroupv@r
8461 \let\@mpfootnotetext\@mpthreecolfootnotetext
8462 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8463 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8464 \m@make@mpthreecol@footgroup{v@r}%
8465 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8466 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8467 \def\baselinestretch{\m@m@footnote@spacing}%
8468 \reset@font\foottextfont
8469 \@preamfntext
8470 \protected@edef\@currentlabel{%
8471 \csname p@footnote\endcsname\@thefnmark}%
8472 \color@begingroup
8473 \@threecolfootfmt{#1}%
8474 \color@endgroup}\m@mmf@prepare}
8475 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8476 \def\baselinestretch{\m@m@footnote@spacing}%
8477 \reset@font\LTRfoottextfont
8478 \@preamfntext
8479 \protected@edef\@currentlabel{%
8480 \csname p@footnote\endcsname\@thefnmark}%
8481 \color@begingroup
8482 \@threecolLTRfootfmt{#1}%
8483 \color@endgroup}\m@mmf@prepare}
8484 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8485 \def\baselinestretch{\m@m@footnote@spacing}%
8486 \reset@font\RTLfoottextfont
8487 \@preamfntext
8488 \protected@edef\@currentlabel{%
8489 \csname p@footnote\endcsname\@thefnmark}%
8490 \color@begingroup
8491 \@threecolRTLfootfmt{#1}%
8492 \color@endgroup}\m@mmf@prepare}
8493 \bidi@ensure@newcommand{\@preamthreelfmt}{%
8494 \hsize .3\hsize
8495 \parindent=\z@
8496 \tolerance=5000\relax
8497 \leavevmode}
8498 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8499 \@preamthreelfmt
8500 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}

```



```

8501 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8502   \@preamthreefmt
8503   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8504 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8505   \@preamthreefmt
8506   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8507 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8508   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8509     \unvbox\@mpfootinsv@r
8510     \def\baselinestretch{\m@m@footnote@spacing}%
8511     \reset@font\foottextfont
8512     \hsize\columnwidth \@parboxrestore
8513     \protected@edef\@currentlabel{%
8514       \csname p@mpfootnote\endcsname\@thefnmark}%
8515     \color@begingroup
8516       \@threecolfootfmt{#1}%
8517     \color@endgroup}\m@mmf@prepare}
8518 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8519   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8520     \unvbox\@mpfootinsv@r
8521     \def\baselinestretch{\m@m@footnote@spacing}%
8522     \reset@font\LTRfoottextfont
8523     \hsize\columnwidth \@parboxrestore
8524     \if@RTLcolumnfootnotes\beginL\fi
8525     \protected@edef\@currentlabel{%
8526       \csname p@mpfootnote\endcsname\@thefnmark}%
8527     \color@begingroup
8528       \@threecolLTRfootfmt{#1}%
8529     \color@endgroup}\m@mmf@prepare}
8530 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8531   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8532     \unvbox\@mpfootinsv@r
8533     \def\baselinestretch{\m@m@footnote@spacing}%
8534     \reset@font\RTLfoottextfont
8535     \hsize\columnwidth \@parboxrestore
8536     \protected@edef\@currentlabel{%
8537       \csname p@mpfootnote\endcsname\@thefnmark}%
8538     \color@begingroup
8539       \@threecolRTLfootfmt{#1}%
8540     \color@endgroup}\m@mmf@prepare}
8541 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8542   \m@make@threecolfootnotetext{#1}%
8543   \m@make@mpthreecolfootnotetext{#1}%
8544   \m@make@threecolfootfmt{#1}%
8545   \m@make@threecol@footgroup{#1}%
8546   \m@make@mpthreecol@footgroup{#1}%
8547   \m@make@footstart{#1}%
8548   \bidi@namelongdef{\@footnotetext#1}##1{%
8549     \nameuse{\@threecolfootnotetext#1}{##1}}%
8550   \bidi@namelongdef{\@mpfootnotetext#1}##1{%

```



```

8551 \nameuse{@mpthreecolfootnotetext#1}{##1}}%
8552 \@namedef{@footgroup#1}{\nameuse{@threecol@footgroup#1}}%
8553 \@namedef{mp@footgroup#1}{\nameuse{@mpthreecol@footgroup#1}}%
8554 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8555 \expandafter\count\csname footins#1\endcsname=333\relax}
8556 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8557 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
8558 \insert\nameuse{footins#1}{%
8559 \def\baselinestretch{\m@m@footnote@spacing}%
8560 \reset@font\nameuse{foottextfont#1}%
8561 \@preamfntext
8562 \protected@edef\@currentlabel{%
8563 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8564 \color@begingroup
8565 \nameuse{@threecolfootfmt#1}{##1}%
8566 \color@endgroup}\m@mmf@prepare}}
8567 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8568 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
8569 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8570 \unvbox\nameuse{@mpfootins#1}
8571 \def\baselinestretch{\m@m@footnote@spacing}%
8572 \reset@font\nameuse{foottextfont#1}%
8573 \hsize\columnwidth \@parboxrestore
8574 \protected@edef\@currentlabel{%
8575 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8576 \color@begingroup
8577 \nameuse{@threecolfootfmt#1}{##1}%
8578 \color@endgroup}\m@mmf@prepare}}
8579 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8580 \bidi@namelongdef{@threecolfootfmt#1}##1{%
8581 \@preamthreefmt
8582 {\nameuse{footfootmark#1}\strut
8583 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8584 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8585 \@namedef{@threecol@footgroup#1}{%
8586 \def\baselinestretch{\m@m@footnote@spacing}%
8587 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8588 \m@mrigidbalance{\nameuse{footins#1}}{\thr@@{\splittopskip}}}}
8589 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8590 \@namedef{@mpthreecol@footgroup#1}{%
8591 \def\baselinestretch{\m@m@footnote@spacing}%
8592 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8593 \m@mrigidbalance{\nameuse{@mpfootins#1}}{\thr@@{\splittopskip}}}}
8594 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8595 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8596 \let\@footnotetext\@fourcolfootnotetext
8597 \let\LTRfootnotetext\@fourcolLTRfootnotetext
8598 \let\RTLfootnotetext\@fourcolRTLfootnotetext
8599 \dimen\footinsv@r=4\footinsdim
8600 \count\footinsv@r=250\relax

```



```

8601 \m@make@fourcol@footgroup{v@r}%
8602 \let\@footgroupv@r\@fourcol@footgroupv@r
8603 \let\@mpfootnotetext\@mpfourcolfootnotetext
8604 \let\@mplTRfootnotetext\@mpfourcolLTRfootnotetext
8605 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8606 \m@make@mpfourcol@footgroup{v@r}%
8607 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8608 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8609 \def\baselinestretch{\m@m@footnote@spacing}%
8610 \reset@font\foottextfont
8611 \@preamfntext
8612 \protected@edef\@currentlabel{%
8613 \csname p@footnote\endcsname\@thefnmark}%
8614 \color@begingroup
8615 \@fourcolfootfmt{#1}%
8616 \color@endgroup}%
8617 \m@mmf@prepare}
8618 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8619 \def\baselinestretch{\m@m@footnote@spacing}%
8620 \reset@font\LTRfoottextfont
8621 \@preamfntext
8622 \protected@edef\@currentlabel{%
8623 \csname p@footnote\endcsname\@thefnmark}%
8624 \color@begingroup
8625 \@fourcolLTRfootfmt{#1}%
8626 \color@endgroup}%
8627 \m@mmf@prepare}
8628 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8629 \def\baselinestretch{\m@m@footnote@spacing}%
8630 \reset@font\RTLfoottextfont
8631 \@preamfntext
8632 \protected@edef\@currentlabel{%
8633 \csname p@footnote\endcsname\@thefnmark}%
8634 \color@begingroup
8635 \@fourcolRTLfootfmt{#1}%
8636 \color@endgroup}%
8637 \m@mmf@prepare}
8638 \bidi@ensure@newcommand{\@preamfourfmt}{%
8639 \hsize .25\hsize
8640 \parindent=\z@
8641 \tolerance=5000\relax
8642 \leavevmode}
8643 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8644 \@preamfourfmt
8645 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8646 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8647 \@preamfourfmt
8648 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8649 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8650 \@preamfourfmt

```



```

8651 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8652 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8653 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8654 \unvbox\@mpfootinsv@r
8655 \def\baselinestretch{\m@m@footnote@spacing}%
8656 \reset@font\foottextfont
8657 \hsize\columnwidth \@parboxrestore
8658 \protected@edef\@currentlabel{%
8659 \csname p@mpfootnote\endcsname\@thefnmark}%
8660 \color@begingroup
8661 \@fourcolfootfmt{#1}%
8662 \color@endgroup}%
8663 \m@mmf@prepare}
8664 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8665 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8666 \unvbox\@mpfootinsv@r
8667 \def\baselinestretch{\m@m@footnote@spacing}%
8668 \reset@font\LTRfoottextfont
8669 \hsize\columnwidth \@parboxrestore
8670 \if@RTLcolumnfootnotes\beginL\fi
8671 \protected@edef\@currentlabel{%
8672 \csname p@mpfootnote\endcsname\@thefnmark}%
8673 \color@begingroup
8674 \@fourcolLTRfootfmt{#1}%
8675 \color@endgroup}%
8676 \m@mmf@prepare}
8677 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8678 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8679 \unvbox\@mpfootinsv@r
8680 \def\baselinestretch{\m@m@footnote@spacing}%
8681 \reset@font\RTLfoottextfont
8682 \hsize\columnwidth \@parboxrestore
8683 \protected@edef\@currentlabel{%
8684 \csname p@mpfootnote\endcsname\@thefnmark}%
8685 \color@begingroup
8686 \@fourcolRTLfootfmt{#1}%
8687 \color@endgroup}%
8688 \m@mmf@prepare}
8689 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8690 \m@make@fourcolfootnotetext{#1}%
8691 \m@make@mpfourcolfootnotetext{#1}%
8692 \m@make@fourcolfootfmt{#1}%
8693 \m@make@fourcol@footgroup{#1}%
8694 \m@make@mpfourcol@footgroup{#1}%
8695 \m@make@footstart{#1}%
8696 \bidi@namelongdef{\@footnotetext#1}##1{%
8697 \nameuse{\@fourcolfootnotetext#1}##1}%
8698 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8699 \nameuse{\@mpfourcolfootnotetext#1}##1}%
8700 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%

```



```

8701 \namedef{mp@footgroup#1}{\@nameuse{mpfourcol@footgroup#1}}%
8702 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8703 \expandafter\count\csname footins#1\endcsname=500\relax}
8704 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8705 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
8706 \insert\@nameuse{footins#1}{%
8707 \def\baselinestretch{\m@m@footnote@spacing}%
8708 \reset@font\@nameuse{foottextfont#1}%
8709 \@preamfntext
8710 \protected@edef\@currentlabel{%
8711 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8712 \color@begingroup
8713 \@nameuse{@fourcolfootfmt#1}{##1}%
8714 \color@endgroup}%
8715 \m@mmf@prepare}}
8716 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8717 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
8718 \global\setbox\@nameuse{mpfootins#1}\vbox{%
8719 \unvbox\@nameuse{mpfootins#1}
8720 \def\baselinestretch{\m@m@footnote@spacing}%
8721 \reset@font\@nameuse{foottextfont#1}%
8722 \hsize\columnwidth \@parboxrestore
8723 \protected@edef\@currentlabel{%
8724 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8725 \color@begingroup
8726 \@nameuse{@fourcolfootfmt#1}{##1}%
8727 \color@endgroup}\m@mmf@prepare}}
8728 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8729 \namedef{@fourcolfootfmt#1}##1{%
8730 \@preamfourfmt
8731 {\@nameuse{footfootmark#1}\strut
8732 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8733 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8734 \namedef{@fourcol@footgroup#1}{%
8735 \def\baselinestretch{\m@m@footnote@spacing}%
8736 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8737 \m@mrigidbodybalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
8738 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8739 \namedef{@mpfourcol@footgroup#1}{%
8740 \def\baselinestretch{\m@m@footnote@spacing}%
8741 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8742 \m@mrigidbodybalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}%
8743 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8744 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8745 \let\@footnotetext\@fivecolfootnotetext
8746 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8747 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8748 \dimen\footinsv@r=5\footinsdim
8749 \count\footinsv@r=200\relax
8750 \m@make@fivecol@footgroup{v@r}%

```



```

8751 \let\@footgroupv@r\@fivecol@footgroupv@r
8752 \let\@mpfootnotetext\@mpfivecolfootnotetext
8753 \let\@mplTRfootnotetext\@mpfivecolLTRfootnotetext
8754 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8755 \m@make@mpfivecol@footgroup{v@r}%
8756 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
8757 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8758 \def\baselinestretch{\m@m@footnote@spacing}%
8759 \reset@font\foottextfont
8760 \@preamfntext
8761 \protected@edef\@currentlabel{%
8762 \csname p@footnote\endcsname\@thefnmark}%
8763 \color@begingroup
8764 \@fivecolfootfmt{#1}%
8765 \color@endgroup}%
8766 \m@mmf@prepare}
8767 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8768 \def\baselinestretch{\m@m@footnote@spacing}%
8769 \reset@font\LTRfoottextfont
8770 \@preamfntext
8771 \protected@edef\@currentlabel{%
8772 \csname p@footnote\endcsname\@thefnmark}%
8773 \color@begingroup
8774 \@fivecolLTRfootfmt{#1}%
8775 \color@endgroup}%
8776 \m@mmf@prepare}
8777 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8778 \def\baselinestretch{\m@m@footnote@spacing}%
8779 \reset@font\RTLfoottextfont
8780 \@preamfntext
8781 \protected@edef\@currentlabel{%
8782 \csname p@footnote\endcsname\@thefnmark}%
8783 \color@begingroup
8784 \@fivecolRTLfootfmt{#1}%
8785 \color@endgroup}%
8786 \m@mmf@prepare}
8787 \bidi@ensure@newcommand{\@preamfivefmt}{%
8788 \hspace{.2\hspace}
8789 \parindent=\z@
8790 \tolerance=5000\relax
8791 \leavevmode}
8792 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8793 \@preamfivefmt
8794 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8795 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8796 \@preamfivefmt
8797 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8798 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8799 \@preamfivefmt
8800 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}

```



```

8801 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8802   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8803     \unvbox\@mpfootinsv@r
8804     \def\baselinestretch{\m@m@footnote@spacing}%
8805     \reset@font\foottextfont
8806     \hsize\columnwidth \@parboxrestore
8807     \protected@edef\@currentlabel{%
8808       \csname p@mpfootnote\endcsname\@thefnmark}%
8809   \color@begingroup
8810     \@fivecolfootfmt{#1}%
8811   \color@endgroup}%
8812 \m@mmf@prepare}
8813 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8814   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8815     \unvbox\@mpfootinsv@r
8816     \def\baselinestretch{\m@m@footnote@spacing}%
8817     \reset@font\LTRfoottextfont
8818     \hsize\columnwidth \@parboxrestore
8819     \if@RTLcolumnfootnotes\beginL\fi
8820     \protected@edef\@currentlabel{%
8821       \csname p@mpfootnote\endcsname\@thefnmark}%
8822   \color@begingroup
8823     \@fivecolLTRfootfmt{#1}%
8824   \color@endgroup}%
8825 \m@mmf@prepare}
8826 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8827   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8828     \unvbox\@mpfootinsv@r
8829     \def\baselinestretch{\m@m@footnote@spacing}%
8830     \reset@font\RTLfoottextfont
8831     \hsize\columnwidth \@parboxrestore
8832     \protected@edef\@currentlabel{%
8833       \csname p@mpfootnote\endcsname\@thefnmark}%
8834   \color@begingroup
8835     \@fivecolRTLfootfmt{#1}%
8836   \color@endgroup}%
8837 \m@mmf@prepare}
8838 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8839   \m@make@fivecolfootnotetext{#1}%
8840   \m@make@mpfivecolfootnotetext{#1}%
8841   \m@make@fivecolfootfmt{#1}%
8842   \m@make@fivecol@footgroup{#1}%
8843   \m@make@mpfivecol@footgroup{#1}%
8844   \m@make@footstart{#1}%
8845   \bidi@namelongdef{\@footnotetext#1}##1{%
8846     \@nameuse{\@fivecolfootnotetext#1}{##1}}%
8847   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8848     \@nameuse{\@mpfivecolfootnotetext#1}{##1}}%
8849   \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
8850   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%

```




```

8851 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8852 \expandafter\count\csname footins#1\endcsname=500\relax}
8853 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8854 \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
8855 \insert\@nameuse{footins#1}{%
8856 \def\baselinestretch{\m@m@footnote@spacing}%
8857 \reset@font\@nameuse{foottextfont#1}%
8858 \@preamfntext
8859 \protected@edef\@currentlabel{%
8860 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8861 \color@begingroup
8862 \@nameuse{@fivecolfootfmt#1}{##1}%
8863 \color@endgroup}%
8864 \m@m@mmf@prepare}}
8865 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8866 \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
8867 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8868 \unvbox\@nameuse{@mpfootins#1}
8869 \def\baselinestretch{\m@m@footnote@spacing}%
8870 \reset@font\@nameuse{foottextfont#1}%
8871 \hsize\columnwidth \@parboxrestore
8872 \protected@edef\@currentlabel{%
8873 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8874 \color@begingroup
8875 \@nameuse{@fivecolfootfmt#1}{##1}%
8876 \color@endgroup}\m@m@mmf@prepare}}
8877 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8878 \@namedef{@fivecolfootfmt#1}##1{%
8879 \@preamfivefmt
8880 {\@nameuse{footfootmark#1}\strut
8881 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8882 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8883 \@namedef{@fivecol@footgroup#1}{%
8884 \def\baselinestretch{\m@m@footnote@spacing}%
8885 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8886 \m@m@rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
8887 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8888 \@namedef{@mpfivecol@footgroup#1}{%
8889 \def\baselinestretch{\m@m@footnote@spacing}%
8890 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8891 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
8892 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8893 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8894 \let\@footnotetext\@sixcolfootnotetext
8895 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8896 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8897 \dimen\footinsv@r=6\footinsdim
8898 \count\footinsv@r=166\relax
8899 \m@make@sixcol@footgroup{v@r}%
8900 \let\@footgroupv@r\@sixcol@footgroupv@r

```



```

8901 \let\@mpfootnotetext\@mpsixcolfootnotetext
8902 \let\@mplTRfootnotetext\@mpsixcolLTRfootnotetext
8903 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8904 \m@make@mpsixcol@footgroup{v@r}%
8905 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
8906 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8907 \def\baselinestretch{\m@m@footnote@spacing}%
8908 \reset@font\foottextfont
8909 \@preamfntext
8910 \protected@edef\@currentlabel{%
8911 \csname p@footnote\endcsname\@thefnmark}%
8912 \color@begingroup
8913 \@sixcolfootfmt{#1}%
8914 \color@endgroup}%
8915 \m@mmf@prepare}
8916 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8917 \def\baselinestretch{\m@m@footnote@spacing}%
8918 \reset@font\LTRfoottextfont
8919 \@preamfntext
8920 \protected@edef\@currentlabel{%
8921 \csname p@footnote\endcsname\@thefnmark}%
8922 \color@begingroup
8923 \@sixcolLTRfootfmt{#1}%
8924 \color@endgroup}%
8925 \m@mmf@prepare}
8926 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8927 \def\baselinestretch{\m@m@footnote@spacing}%
8928 \reset@font\RTLfoottextfont
8929 \@preamfntext
8930 \protected@edef\@currentlabel{%
8931 \csname p@footnote\endcsname\@thefnmark}%
8932 \color@begingroup
8933 \@sixcolRTLfootfmt{#1}%
8934 \color@endgroup}%
8935 \m@mmf@prepare}
8936 \bidi@ensure@newcommand{\@preamsixfmt}{%
8937 \hsize .16\hsize
8938 \parindent=\z@
8939 \tolerance=5000\relax
8940 \leavevmode}
8941 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8942 \@preamsixfmt
8943 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8944 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8945 \@preamsixfmt
8946 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8947 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8948 \@preamsixfmt
8949 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8950 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\if

```



```

8951 \global\setbox\@mpfootinsv@r\vbox{%
8952   \unvbox\@mpfootinsv@r
8953   \def\baselinestretch{\m@m@footnote@spacing}%
8954   \reset@font\foottextfont
8955   \hsize\columnwidth \@parboxrestore
8956   \protected@edef\@currentlabel{%
8957     \csname p@mpfootnote\endcsname\@thefnmark}%
8958   \color@begingroup
8959     \@sixcolfootfmt{#1}%
8960   \color@endgroup}%
8961   \m@mmf@prepare}
8962 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
8963   \global\setbox\@mpfootinsv@r\vbox{%
8964     \unvbox\@mpfootinsv@r
8965     \def\baselinestretch{\m@m@footnote@spacing}%
8966     \reset@font\LTRfoottextfont
8967     \hsize\columnwidth \@parboxrestore
8968     \if@RTLcolumnfootnotes\beginL\fi
8969     \protected@edef\@currentlabel{%
8970       \csname p@mpfootnote\endcsname\@thefnmark}%
8971     \color@begingroup
8972       \@sixcolLTRfootfmt{#1}%
8973     \color@endgroup}%
8974     \m@mmf@prepare}
8975 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8976   \global\setbox\@mpfootinsv@r\vbox{%
8977     \unvbox\@mpfootinsv@r
8978     \def\baselinestretch{\m@m@footnote@spacing}%
8979     \reset@font\RTLfoottextfont
8980     \hsize\columnwidth \@parboxrestore
8981     \protected@edef\@currentlabel{%
8982       \csname p@mpfootnote\endcsname\@thefnmark}%
8983     \color@begingroup
8984       \@sixcolRTLfootfmt{#1}%
8985     \color@endgroup}%
8986     \m@mmf@prepare}
8987 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8988   \m@make@sixcolfootnotetext{#1}%
8989   \m@make@mpsixcolfootnotetext{#1}%
8990   \m@make@sixcolfootfmt{#1}%
8991   \m@make@sixcol@footgroup{#1}%
8992   \m@make@mpsixcol@footgroup{#1}%
8993   \m@make@footstart{#1}%
8994   \bidi@namelongdef{\@footnotetext#1}##1{%
8995     \@nameuse{\@sixcolfootnotetext#1}{##1}}%
8996   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8997     \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%
8998   \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
8999   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsixcol@footgroup#1}}%
9000   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim

```



```

9001 \expandafter\count\csname footins#1\endcsname=500\relax}
9002 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9003 \bidi@namelongdef{\s@sixcolfootnotetext#1}##1{%
9004 \insert\@nameuse{footins#1}{%
9005 \def\baselinestretch{\m@m@footnote@spacing}%
9006 \reset@font\@nameuse{foottextfont#1}%
9007 \@preamfntext
9008 \protected@edef\@currentlabel{%
9009 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9010 \color@begingroup
9011 \@nameuse{@sixcolfootfmt#1}##1}%
9012 \color@endgroup}%
9013 \m@m@prepare}}
9014 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9015 \bidi@namelongdef{\mps@sixcolfootnotetext#1}##1{%
9016 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9017 \unvbox\@nameuse{@mpfootins#1}
9018 \def\baselinestretch{\m@m@footnote@spacing}%
9019 \reset@font\@nameuse{foottextfont#1}%
9020 \hsize\columnwidth \@parboxrestore
9021 \protected@edef\@currentlabel{%
9022 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9023 \color@begingroup
9024 \@nameuse{@sixcolfootfmt#1}##1}%
9025 \color@endgroup}\m@m@prepare}}
9026 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9027 \@namedef{@sixcol@footgroup#1}##1{%
9028 \@preamsixfmt
9029 {\@nameuse{footfootmark#1}\strut
9030 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9031 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9032 \@namedef{@sixcol@footgroup#1}{%
9033 \def\baselinestretch{\m@m@footnote@spacing}%
9034 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9035 \m@m@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
9036 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9037 \@namedef{@mpsixcol@footgroup#1}{%
9038 \def\baselinestretch{\m@m@footnote@spacing}%
9039 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9040 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}}
9041 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9042 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9043 \let\@footnotetext\@sevendcolumnfootnotetext
9044 \let\@LTRfootnotetext\@sevendcolumnLTRfootnotetext
9045 \let\@RTLfootnotetext\@sevendcolumnRTLfootnotetext
9046 \dimen\footinsv@r=7\footinsdim
9047 \count\footinsv@r=142\relax
9048 \m@make@sevendcolumn@footgroup{v@r}%
9049 \let\@footgroupv@r\@sevendcolumn@footgroupv@r
9050 \let\@mpfootnotetext\@mpsevendcolumnfootnotetext

```



```

9051 \let\@mplTRfootnotetext\@mpsevencolLTRfootnotetext
9052 \let\@mpRTLfootnotetext\@mpsevencolRTLfootnotetext
9053 \m@make@mpsevencol@footgroup{v@r}%
9054 \let\mp@footgroupv@r\@mpsevencol@footgroupv@r}
9055 \bidi@ensure@newcommand{\@sevencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9056 \def\baselinestretch{\m@m@footnote@spacing}%
9057 \reset@font\foottextfont
9058 \@preamfntext
9059 \protected@edef\@currentlabel{%
9060 \csname p@footnote\endcsname\@thefnmark}%
9061 \color@begingroup
9062 \@sevencolfootfmt{#1}%
9063 \color@endgroup}%
9064 \m@mmf@prepare}
9065 \bidi@ensure@newcommand{\@sevencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9066 \def\baselinestretch{\m@m@footnote@spacing}%
9067 \reset@font\LTRfoottextfont
9068 \@preamfntext
9069 \protected@edef\@currentlabel{%
9070 \csname p@footnote\endcsname\@thefnmark}%
9071 \color@begingroup
9072 \@sevencolLTRfootfmt{#1}%
9073 \color@endgroup}%
9074 \m@mmf@prepare}
9075 \bidi@ensure@newcommand{\@sevencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9076 \def\baselinestretch{\m@m@footnote@spacing}%
9077 \reset@font\RTLfoottextfont
9078 \@preamfntext
9079 \protected@edef\@currentlabel{%
9080 \csname p@footnote\endcsname\@thefnmark}%
9081 \color@begingroup
9082 \@sevencolRTLfootfmt{#1}%
9083 \color@endgroup}%
9084 \m@mmf@prepare}
9085 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9086 \hsize .142\hsize
9087 \parindent=\z@
9088 \tolerance=5000\relax
9089 \leavevmode}
9090 \bidi@ensure@newcommand{\@sevencolfootfmt}[1]{%
9091 \@preamsevenfmt
9092 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9093 \bidi@ensure@newcommand{\@sevencolLTRfootfmt}[1]{%
9094 \@preamsevenfmt
9095 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9096 \bidi@ensure@newcommand{\@sevencolRTLfootfmt}[1]{%
9097 \@preamsevenfmt
9098 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9099 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9100 \global\setbox\@mpfootinsv@r\vbox{%

```



```

g101 \unvbox\@mpfootinsv@r
g102 \def\baselinestretch{\m@m@footnote@spacing}%
g103 \reset@font\foottextfont
g104 \hsize\columnwidth \@parboxrestore
g105 \protected@edef\@currentlabel{%
g106 \csname p@mpfootnote\endcsname\@thefnmark}%
g107 \color@begingroup
g108 \@sevenscolfootfmt{#1}%
g109 \color@endgroup}%
g110 \m@mmf@prepare}
g111 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
g112 \global\setbox\@mpfootinsv@r\vbox{%
g113 \unvbox\@mpfootinsv@r
g114 \def\baselinestretch{\m@m@footnote@spacing}%
g115 \reset@font\LTRfoottextfont
g116 \hsize\columnwidth \@parboxrestore
g117 \if@RTLcolumnfootnotes\beginL\fi
g118 \protected@edef\@currentlabel{%
g119 \csname p@mpfootnote\endcsname\@thefnmark}%
g120 \color@begingroup
g121 \@sevenscolLTRfootfmt{#1}%
g122 \color@endgroup}%
g123 \m@mmf@prepare}
g124 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
g125 \global\setbox\@mpfootinsv@r\vbox{%
g126 \unvbox\@mpfootinsv@r
g127 \def\baselinestretch{\m@m@footnote@spacing}%
g128 \reset@font\RTLfoottextfont
g129 \hsize\columnwidth \@parboxrestore
g130 \protected@edef\@currentlabel{%
g131 \csname p@mpfootnote\endcsname\@thefnmark}%
g132 \color@begingroup
g133 \@sevenscolRTLfootfmt{#1}%
g134 \color@endgroup}%
g135 \m@mmf@prepare}
g136 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
g137 \m@make@sevenscolfootnotetext{#1}%
g138 \m@make@mpsevenscolfootnotetext{#1}%
g139 \m@make@sevenscolfootfmt{#1}%
g140 \m@make@sevenscol@footgroup{#1}%
g141 \m@make@mpsevenscol@footgroup{#1}%
g142 \m@make@footstart{#1}%
g143 \bidi@namelongdef{\@footnotetext#1}##1{%
g144 \@nameuse{\@sevenscolfootnotetext#1}{##1}}%
g145 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
g146 \@nameuse{\@mpsevenscolfootnotetext#1}{##1}}%
g147 \@namedef{\@footgroup#1}{\@nameuse{\@sevenscol@footgroup#1}}%
g148 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsevenscol@footgroup#1}}%
g149 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
g150 \expandafter\count\csname footins#1\endcsname=500\relax}

```



```

9151 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9152   \bidi@namelongdef{@sevenscolfootnotetext#1}##1{%
9153     \insert\@nameuse{footins#1}{%
9154       \def\baselinestretch{\m@m@footnote@spacing}%
9155       \reset@font\@nameuse{foottextfont#1}%
9156       \@preamfntext
9157       \protected@edef\@currentlabel{%
9158         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9159       \color@begingroup
9160       \@nameuse{@sevenscolfootfmt#1}{##1}%
9161       \color@endgroup}%
9162     \m@m@mmf@prepare}}
9163 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
9164   \bidi@namelongdef{@mpsevenscolfootnotetext#1}##1{%
9165     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9166       \unvbox\@nameuse{@mpfootins#1}
9167       \def\baselinestretch{\m@m@footnote@spacing}%
9168       \reset@font\@nameuse{foottextfont#1}%
9169       \hsize\columnwidth \@parboxrestore
9170       \protected@edef\@currentlabel{%
9171         \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9172       \color@begingroup
9173       \@nameuse{@sevenscolfootfmt#1}{##1}%
9174       \color@endgroup}\m@m@mmf@prepare}}
9175 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
9176   \@namedef{@sevenscolfootfmt#1}##1{%
9177     \@preamsevenfmt
9178     {\@nameuse{footfootmark#1}\strut
9179      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9180 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
9181   \@namedef{@sevenscol@footgroup#1}{%
9182     \def\baselinestretch{\m@m@footnote@spacing}%
9183     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9184     \m@m@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
9185 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
9186   \@namedef{@mpsevenscol@footgroup#1}{%
9187     \def\baselinestretch{\m@m@footnote@spacing}%
9188     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9189     \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
9190 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9191   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9192   \let\@footnotetext\@eightcolfootnotetext
9193   \let\@LTRfootnotetext\@eightcollTRfootnotetext
9194   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9195   \dimen\footinsv@r=8\footinsdim
9196   \count\footinsv@r=125\relax
9197   \m@make@eightcol@footgroup{v@r}%
9198   \let\@footgroupv@r\@eightcol@footgroupv@r
9199   \let\@mpfootnotetext\@mpeightcolfootnotetext
9200   \let\@mplTRfootnotetext\@mpeightcollTRfootnotetext

```



```

9201 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9202 \m@make@mpeightcol@footgroup{v@r}%
9203 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9204 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9205 \def\baselinestretch{\m@m@footnote@spacing}%
9206 \reset@font\foottextfont
9207 \@preamfntext
9208 \protected@edef\@currentlabel{%
9209 \csname p@footnote\endcsname\@thefnmark}%
9210 \color@begingroup
9211 \@eightcolfootfmt{#1}%
9212 \color@endgroup}%
9213 \m@m@mmf@prepare}
9214 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9215 \def\baselinestretch{\m@m@footnote@spacing}%
9216 \reset@font\LTRfoottextfont
9217 \@preamfntext
9218 \protected@edef\@currentlabel{%
9219 \csname p@footnote\endcsname\@thefnmark}%
9220 \color@begingroup
9221 \@eightcolLTRfootfmt{#1}%
9222 \color@endgroup}%
9223 \m@m@mmf@prepare}
9224 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9225 \def\baselinestretch{\m@m@footnote@spacing}%
9226 \reset@font\RTLfoottextfont
9227 \@preamfntext
9228 \protected@edef\@currentlabel{%
9229 \csname p@footnote\endcsname\@thefnmark}%
9230 \color@begingroup
9231 \@eightcolRTLfootfmt{#1}%
9232 \color@endgroup}%
9233 \m@m@mmf@prepare}
9234 \bidi@ensure@newcommand{\@preameightfmt}{%
9235 \hspace{.125\hspace}
9236 \parindent=\z@
9237 \tolerance=5000\relax
9238 \leavevmode}
9239 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9240 \@preameightfmt
9241 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9242 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9243 \@preameightfmt
9244 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9245 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9246 \@preameightfmt
9247 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9248 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9249 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9250 \unvbox\@mpfootinsv@r

```




```

9251 \def\baselinestretch{\m@m@footnote@spacing}%
9252 \reset@font\foottextfont
9253 \hsize\columnwidth \@parboxrestore
9254 \protected@edef\@currentlabel{%
9255     \csname p@mpfootnote\endcsname\@thefnmark}%
9256 \color@begingroup
9257     \@eightcolfootfmt{#1}%
9258 \color@endgroup}%
9259 \m@mmf@prepare}
9260 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9261     \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9262         \unvbox\@mpfootinsv@r
9263         \def\baselinestretch{\m@m@footnote@spacing}%
9264         \reset@font\LTRfoottextfont
9265         \hsize\columnwidth \@parboxrestore
9266         \ifRTLcolumnfootnotes\beginL\fi
9267         \protected@edef\@currentlabel{%
9268             \csname p@mpfootnote\endcsname\@thefnmark}%
9269         \color@begingroup
9270             \@eightcolLTRfootfmt{#1}%
9271         \color@endgroup}%
9272     \m@mmf@prepare}
9273 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9274     \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9275         \unvbox\@mpfootinsv@r
9276         \def\baselinestretch{\m@m@footnote@spacing}%
9277         \reset@font\RTLfoottextfont
9278         \hsize\columnwidth \@parboxrestore
9279         \protected@edef\@currentlabel{%
9280             \csname p@mpfootnote\endcsname\@thefnmark}%
9281         \color@begingroup
9282             \@eightcolRTLfootfmt{#1}%
9283         \color@endgroup}%
9284     \m@mmf@prepare}
9285 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9286     \m@make@eightcolfootnotetext{#1}%
9287     \m@make@mpeightcolfootnotetext{#1}%
9288     \m@make@eightcolfootfmt{#1}%
9289     \m@make@eightcol@footgroup{#1}%
9290     \m@make@mpeightcol@footgroup{#1}%
9291     \m@make@footstart{#1}%
9292     \bidi@namelongdef{\footnotetext#1}##1{%
9293         \@nameuse{\@eightcolfootnotetext#1}{##1}}%
9294     \bidi@namelongdef{\mpfootnotetext#1}##1{%
9295         \@nameuse{\@mpeightcolfootnotetext#1}{##1}}%
9296     \@namedef{@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
9297     \@namedef{\mp@footgroup#1}{\@nameuse{\@mpeightcol@footgroup#1}}%
9298     \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9299     \expandafter\count\csname footins#1\endcsname=500\relax}
9300 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%

```



```

9301 \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
9302 \insert\@nameuse{footins#1}{%
9303 \def\baselinestretch{\m@m@footnote@spacing}%
9304 \reset@font\@nameuse{foottextfont#1}%
9305 \@preamfntext
9306 \protected@edef\@currentlabel{%
9307 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9308 \color@begingroup
9309 \@nameuse{@eightcolfootfmt#1}{##1}%
9310 \color@endgroup}%
9311 \m@m@mmf@prepare}}
9312 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9313 \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
9314 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9315 \unvbox\@nameuse{@mpfootins#1}
9316 \def\baselinestretch{\m@m@footnote@spacing}%
9317 \reset@font\@nameuse{foottextfont#1}%
9318 \hsize\columnwidth \@parboxrestore
9319 \protected@edef\@currentlabel{%
9320 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9321 \color@begingroup
9322 \@nameuse{@eightcolfootfmt#1}{##1}%
9323 \color@endgroup}\m@m@mmf@prepare}}
9324 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9325 \@namedef{@eightcolfootfmt#1}##1{%
9326 \@preameightfmt
9327 {\@nameuse{footfootmark#1}\strut
9328 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9329 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9330 \@namedef{@eightcol@footgroup#1}{%
9331 \def\baselinestretch{\m@m@footnote@spacing}%
9332 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9333 \m@m@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9334 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9335 \@namedef{@mpeightcol@footgroup#1}{%
9336 \def\baselinestretch{\m@m@footnote@spacing}%
9337 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9338 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}%
9339 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9340 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9341 \let\@footnotetext\@ninecolfootnotetext
9342 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9343 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9344 \dimen\footinsv@r=9\footinsdim
9345 \count\footinsv@r=11\relax
9346 \m@make@ninecol@footgroup{v@r}%
9347 \let\@footgroupv@r\@ninecol@footgroupv@r
9348 \let\@mpfootnotetext\@mpninecolfootnotetext
9349 \let\@mplTRfootnotetext\@mpninecolLTRfootnotetext
9350 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext

```



```

9351 \m@make@mpninecol@footgroup{v@r}%
9352 \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9353 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9354 \def\baselinestretch{\m@m@footnote@spacing}%
9355 \reset@font\foottextfont
9356 \@preamfntext
9357 \protected@edef\@currentlabel{%
9358 \csname p@footnote\endcsname\@thefnmark}%
9359 \color@begingroup
9360 \@ninecolfootfmt{#1}%
9361 \color@endgroup}%
9362 \m@mmf@prepare}
9363 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
9364 \def\baselinestretch{\m@m@footnote@spacing}%
9365 \reset@font\LTRfoottextfont
9366 \@preamfntext
9367 \protected@edef\@currentlabel{%
9368 \csname p@footnote\endcsname\@thefnmark}%
9369 \color@begingroup
9370 \@ninecolLTRfootfmt{#1}%
9371 \color@endgroup}%
9372 \m@mmf@prepare}
9373 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9374 \def\baselinestretch{\m@m@footnote@spacing}%
9375 \reset@font\RTLfoottextfont
9376 \@preamfntext
9377 \protected@edef\@currentlabel{%
9378 \csname p@footnote\endcsname\@thefnmark}%
9379 \color@begingroup
9380 \@ninecolRTLfootfmt{#1}%
9381 \color@endgroup}%
9382 \m@mmf@prepare}
9383 \bidi@ensure@newcommand{\@preamninefmt}{%
9384 \hsize .1\hsize
9385 \parindent=\z@
9386 \tolerance=5000\relax
9387 \leavevmode}
9388 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9389 \@preamninefmt
9390 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9391 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9392 \@preamninefmt
9393 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9394 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9395 \@preamninefmt
9396 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9397 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9398 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9399 \unvbox\@mpfootinsv@r
9400 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9401 \reset@font\foottextfont
9402 \hsize\columnwidth \@parboxrestore
9403 \protected@edef\@currentlabel{%
9404 \csname p@mpfootnote\endcsname\@thefnmark}%
9405 \color@begingroup
9406 \@ninecolfootfmt{#1}%
9407 \color@endgroup}%
9408 \m@mmf@prepare}
9409 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9410 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9411 \unvbox\@mpfootinsv@r
9412 \def\baselinestretch{\m@m@footnote@spacing}%
9413 \reset@font\LTRfoottextfont
9414 \hsize\columnwidth \@parboxrestore
9415 \ifRTLcolumnfootnotes\beginL\fi
9416 \protected@edef\@currentlabel{%
9417 \csname p@mpfootnote\endcsname\@thefnmark}%
9418 \color@begingroup
9419 \@ninecolLTRfootfmt{#1}%
9420 \color@endgroup}%
9421 \m@mmf@prepare}
9422 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9423 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9424 \unvbox\@mpfootinsv@r
9425 \def\baselinestretch{\m@m@footnote@spacing}%
9426 \reset@font\RTLfoottextfont
9427 \hsize\columnwidth \@parboxrestore
9428 \protected@edef\@currentlabel{%
9429 \csname p@mpfootnote\endcsname\@thefnmark}%
9430 \color@begingroup
9431 \@ninecolRTLfootfmt{#1}%
9432 \color@endgroup}%
9433 \m@mmf@prepare}
9434 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
9435 \m@make@ninecolfootnotetext{#1}%
9436 \m@make@mpninecolfootnotetext{#1}%
9437 \m@make@ninecolfootfmt{#1}%
9438 \m@make@ninecol@footgroup{#1}%
9439 \m@make@mpninecol@footgroup{#1}%
9440 \m@make@footstart{#1}%
9441 \bidi@namelongdef{\footnotetext#1}##1{%
9442 \@nameuse{\@ninecolfootnotetext#1}##1}%
9443 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9444 \@nameuse{\@mpninecolfootnotetext#1}##1}%
9445 \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
9446 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
9447 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9448 \expandafter\count\csname footins#1\endcsname=500\relax}
9449 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9450 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%

```



```

9451 \insert\@nameuse{footins#1}{%
9452 \def\baselinestretch{\m@m@footnote@spacing}%
9453 \reset@font\@nameuse{foottextfont#1}%
9454 \@preamfntext
9455 \protected@edef\@currentlabel{%
9456 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9457 \color@begingroup
9458 \@nameuse{@ninecolfootfmt#1}{##1}%
9459 \color@endgroup}%
9460 \m@m@mmf@prepare}}
9461 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9462 \bidi@namelongdef{\mpninecolfootnotetext#1}{##1}%
9463 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9464 \unvbox\@nameuse{@mpfootins#1}
9465 \def\baselinestretch{\m@m@footnote@spacing}%
9466 \reset@font\@nameuse{foottextfont#1}%
9467 \hsize\columnwidth \@parboxrestore
9468 \protected@edef\@currentlabel{%
9469 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9470 \color@begingroup
9471 \@nameuse{@ninecolfootfmt#1}{##1}%
9472 \color@endgroup}\m@m@mmf@prepare}}
9473 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
9474 \@namedef{@ninecolfootfmt#1}{##1}%
9475 \@preamninefmt
9476 {\@nameuse{footfootmark#1}\strut
9477 {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9478 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9479 \@namedef{@ninecol@footgroup#1}{%
9480 \def\baselinestretch{\m@m@footnote@spacing}%
9481 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9482 \m@m@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
9483 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
9484 \@namedef{@mpninecol@footgroup#1}{%
9485 \def\baselinestretch{\m@m@footnote@spacing}%
9486 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9487 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}%
9488 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9489 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9490 \let\@footnotetext\@tencolfootnotetext
9491 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9492 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9493 \dimen\footinsv@r=10\footinsdim
9494 \count\footinsv@r=100\relax
9495 \m@make@tencol@footgroup{v@r}%
9496 \let\@footgroupv@r\@tencol@footgroupv@r
9497 \let\@mpfootnotetext\@mptencolfootnotetext
9498 \let\@mplTRfootnotetext\@mptencolLTRfootnotetext
9499 \let\@mprTLfootnotetext\@mptencolRTLfootnotetext
9500 \m@make@mptencol@footgroup{v@r}%

```



```

9501 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
9502 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9503 \def\baselinestretch{\m@m@footnote@spacing}%
9504 \reset@font\foottextfont
9505 \@preamfntext
9506 \protected@edef\@currentlabel{%
9507 \csname p@footnote\endcsname\@thefnmark}%
9508 \color@begingroup
9509 \@tencolfootfmt{#1}%
9510 \color@endgroup}%
9511 \m@mmf@prepare}
9512 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9513 \def\baselinestretch{\m@m@footnote@spacing}%
9514 \reset@font\LTRfoottextfont
9515 \@preamfntext
9516 \protected@edef\@currentlabel{%
9517 \csname p@footnote\endcsname\@thefnmark}%
9518 \color@begingroup
9519 \@tencolLTRfootfmt{#1}%
9520 \color@endgroup}%
9521 \m@mmf@prepare}
9522 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9523 \def\baselinestretch{\m@m@footnote@spacing}%
9524 \reset@font\RTLfoottextfont
9525 \@preamfntext
9526 \protected@edef\@currentlabel{%
9527 \csname p@footnote\endcsname\@thefnmark}%
9528 \color@begingroup
9529 \@tencolRTLfootfmt{#1}%
9530 \color@endgroup}%
9531 \m@mmf@prepare}
9532 \bidi@ensure@newcommand{\@preamtenfmt}{%
9533 \hspace{.1\hspace}
9534 \parindent=\z@
9535 \tolerance=5000\relax
9536 \leavevmode}
9537 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9538 \@preamtenfmt
9539 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9540 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9541 \@preamtenfmt
9542 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9543 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9544 \@preamtenfmt
9545 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9546 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9547 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9548 \unvbox\@mpfootinsv@r
9549 \def\baselinestretch{\m@m@footnote@spacing}%
9550 \reset@font\foottextfont

```



```

9551 \hsize\columnwidth \@parboxrestore
9552 \protected@edef\@currentlabel{%
9553 \csname p@mpfootnote\endcsname\@thefnmark}%
9554 \color@begingroup
9555 \@tencolfootfmt{#1}%
9556 \color@endgroup}%
9557 \m@mmf@prepare}
9558 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9559 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9560 \unvbox\@mpfootinsv@r
9561 \def\baselinestretch{\m@m@footnote@spacing}%
9562 \reset@font\LTRfoottextfont
9563 \hsize\columnwidth \@parboxrestore
9564 \if@RTLcolumnfootnotes\beginL\fi
9565 \protected@edef\@currentlabel{%
9566 \csname p@mpfootnote\endcsname\@thefnmark}%
9567 \color@begingroup
9568 \@tencolLTRfootfmt{#1}%
9569 \color@endgroup}%
9570 \m@mmf@prepare}
9571 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9572 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9573 \unvbox\@mpfootinsv@r
9574 \def\baselinestretch{\m@m@footnote@spacing}%
9575 \reset@font\RTLfoottextfont
9576 \hsize\columnwidth \@parboxrestore
9577 \protected@edef\@currentlabel{%
9578 \csname p@mpfootnote\endcsname\@thefnmark}%
9579 \color@begingroup
9580 \@tencolRTLfootfmt{#1}%
9581 \color@endgroup}%
9582 \m@mmf@prepare}
9583 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9584 \m@make@tencolfootnotetext{#1}%
9585 \m@make@mptencolfootnotetext{#1}%
9586 \m@make@tencolfootfmt{#1}%
9587 \m@make@tencol@footgroup{#1}%
9588 \m@make@mptencol@footgroup{#1}%
9589 \m@make@footstart{#1}%
9590 \bidi@namelongdef{\@footnotetext#1}##1{%
9591 \@nameuse{\@tencolfootnotetext#1}{##1}}%
9592 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9593 \@nameuse{\@mptencolfootnotetext#1}{##1}}%
9594 \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
9595 \@namedef{\mp@footgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
9596 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9597 \expandafter\count\csname footins#1\endcsname=500\relax}
9598 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9599 \bidi@namelongdef{\@tencolfootnotetext#1}##1{%
9600 \insert\@nameuse{\footins#1}{%

```



```

9601 \def\baselinestretch{\m@m@footnote@spacing}%
9602 \reset@font\@nameuse{foottextfont#1}%
9603 \@preamfntext
9604 \protected@edef\@currentlabel{%
9605     \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9606 \color@begingroup
9607     \@nameuse{@tencolfootfmt#1}{##1}%
9608 \color@endgroup}%
9609 \m@mmf@prepare}}
9610 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9611 \bidi@namelongdef{\mptencolfootnotetext#1}{##1}%
9612 \global\setbox\@nameuse{mpfootins#1}\vbox{%
9613     \unvbox\@nameuse{mpfootins#1}
9614     \def\baselinestretch{\m@m@footnote@spacing}%
9615     \reset@font\@nameuse{foottextfont#1}%
9616     \hsize\columnwidth \@parboxrestore
9617     \protected@edef\@currentlabel{%
9618         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9619     \color@begingroup
9620         \@nameuse{@tencolfootfmt#1}{##1}%
9621     \color@endgroup}\m@mmf@prepare}}
9622 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9623     \namedef{@tencolfootfmt#1}{##1}%
9624     \@preamtenfmt
9625     {\@nameuse{footfootmark#1}\strut
9626      {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9627 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9628     \namedef{@tencol@footgroup#1}{%
9629         \def\baselinestretch{\m@m@footnote@spacing}%
9630         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9631         \m@r rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9632 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9633     \namedef{@mptencol@footgroup#1}{%
9634         \def\baselinestretch{\m@m@footnote@spacing}%
9635         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9636         \m@r rigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}}}
9637 \bidi@ensure@newcommand{\m@munvxh}[1]{%
9638     \setbox0=\vbox{\unvbox#1%
9639         \global\setbox1=\lastbox}%
9640     \unhbox1
9641     \unskip
9642     \unskip
9643     \unpenalty
9644     \hskip\m@mipn@skip}
9645 \bidi@ensure@newcommand{\m@mungebox}{%
9646     \setbox0=\hbox{\m@munvxh0}%
9647     \dp0=\z@
9648     \ht0=\footfudgefactor\wd0
9649     \box0
9650     \penalty0}

```




```

9651 \newskip\m@mipn@skip
9652 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
9653   {\foottextfont\global\m@mipn@skip=#1\relax}}
9654 \m@minterparanoteglue{1em plus.4em minus.4em}
9655 \ifpackageloaded{multicol}{%
9656 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9657   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9658   \hsize\textwidth%
9659   \setbox0=\hbox{}}%
9660   \loop
9661     \unpenalty
9662     \setbox2=\lastbox
9663     \ifhbox2
9664       \setbox0=\hbox{\box2\unhbox0}
9665     \repeat}%
9666 }{%
9667 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9668   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9669   \setbox0=\hbox{}}%
9670   \loop
9671     \unpenalty
9672     \setbox2=\lastbox
9673     \ifhbox2
9674       \setbox0=\hbox{\box2\unhbox0}
9675     \repeat}}
9676 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
9677   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
9678 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9679 \bidi@ensure@newcommand{\paragraphfootnotes}{%
9680   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9681   \let\@footnotetext\@parafootnotetext
9682   \let\@LTRfootnotetext\@paraLTRfootnotetext
9683   \let\@RTLfootnotetext\@paraRTLfootnotetext
9684   \dimen\footinsv@r=\footinsdim
9685   \count\footinsv@r=1000\relax
9686   \m@make@para@footgroup{v@r}%
9687   \let\@footgroupv@r\@para@footgroupv@r
9688   \let\@mpfootnotetext\@mpparafootnotetext
9689   \let\@mplTRfootnotetext\@mpparaLTRfootnotetext
9690   \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9691   \m@make@mppara@footgroup{v@r}%
9692   \let\mp@footgroupv@r\@mppara@footgroupv@r
9693   {\def\baselinestretch{\m@m@footnote@spacing}%
9694     \foottextfont
9695     \dimen0=\baselineskip
9696     \multiply\dimen0 by 1024
9697     \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9698     \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9699 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9700   \let\bidi@RTL@everypar\@empty%

```



```

9701 \def\baselinestretch{\m@m@footnote@spacing}%
9702 \reset@font\foottextfont
9703 \@preamfntext
9704 \protected@edef\@currentlabel{%
9705   \csname p@footnote\endcsname\@thefnmark}%
9706 \setbox0=\vbox{\hsize=\maxdimen
9707   \color@begingroup
9708   \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9709   \color@endgroup}%
9710   \m@mungebox}\m@mmf@prepare}
9711 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9712   \let\bidi@RTL@everypar\@empty%
9713   \def\baselinestretch{\m@m@footnote@spacing}%
9714   \reset@font\LTRfoottextfont
9715   \@preamfntext
9716   \protected@edef\@currentlabel{%
9717     \csname p@footnote\endcsname\@thefnmark}%
9718   \setbox0=\vbox{\hsize=\maxdimen
9719     \color@begingroup
9720     \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9721     \color@endgroup}%
9722   \m@mungebox}\m@mmf@prepare}
9723 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9724   \let\bidi@RTL@everypar\@empty%
9725   \def\baselinestretch{\m@m@footnote@spacing}%
9726   \reset@font\RTLfoottextfont
9727   \@preamfntext
9728   \protected@edef\@currentlabel{%
9729     \csname p@footnote\endcsname\@thefnmark}%
9730   \setbox0=\vbox{\hsize=\maxdimen
9731     \color@begingroup
9732     \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9733     \color@endgroup}%
9734   \m@mungebox}\m@mmf@prepare}
9735 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
9736   \parindent=\z@
9737   \parfillskip=Opt \@plus 1fil
9738   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9739 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9740   \parindent=\z@
9741   \parfillskip=Opt \@plus 1fil
9742   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9743 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9744   \parindent=\z@
9745   \parfillskip=Opt \@plus 1fil
9746   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9747 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9748   \global\setbox\@mpfootinsv@r\vbox{%
9749     \let\bidi@RTL@everypar\@empty%
9750     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9751 \unvbox\@mpfootinsv@r
9752 \reset@font\foottextfont
9753 \hsize\columnwidth \@parboxrestore
9754 \protected@edef\@currentlabel{%
9755     \csname p@mpfootnote\endcsname\@thefnmark}%
9756 \setbox0=\vbox{\hsize=\maxdimen
9757     \color@begingroup
9758     \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9759     \color@endgroup}%
9760 \m@mungebox}\m@mmf@prepare}
9761 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9762 \global\setbox\@mpfootinsv@r\vbox{%
9763 \let\bidi@RTL@everypar\@empty%
9764 \def\baselinestretch{\m@m@footnote@spacing}%
9765 \unvbox\@mpfootinsv@r
9766 \reset@font\LTRfoottextfont
9767 \hsize\columnwidth \@parboxrestore
9768 \protected@edef\@currentlabel{%
9769     \csname p@mpfootnote\endcsname\@thefnmark}%
9770 \setbox0=\vbox{\hsize=\maxdimen
9771     \color@begingroup
9772     \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9773     \color@endgroup}%
9774 \m@mungebox}\m@mmf@prepare}
9775 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9776 \global\setbox\@mpfootinsv@r\vbox{%
9777 \let\bidi@RTL@everypar\@empty%
9778 \def\baselinestretch{\m@m@footnote@spacing}%
9779 \unvbox\@mpfootinsv@r
9780 \reset@font\RTLfoottextfont
9781 \hsize\columnwidth \@parboxrestore
9782 \protected@edef\@currentlabel{%
9783     \csname p@mpfootnote\endcsname\@thefnmark}%
9784 \setbox0=\vbox{\hsize=\maxdimen
9785     \color@begingroup
9786     \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9787     \color@endgroup}%
9788 \m@mungebox}\m@mmf@prepare}
9789 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9790 \m@make@parafootnotetext{#1}%
9791 \m@make@mpparafootnotetext{#1}%
9792 \m@make@parafootfmt{#1}%
9793 \m@make@para@footgroup{#1}%
9794 \m@make@mppara@footgroup{#1}%
9795 \m@make@para@footstart{#1}%
9796 \bidi@namelongdef{\@footnotetext#1}##1{%
9797     \@nameuse{\@parafootnotetext#1}{##1}}%
9798 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9799     \@nameuse{\@mpparafootnotetext#1}{##1}}%
9800 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%

```



```

9801 \namedef{mp@footgroup#1}{\@nameuse{mppara@footgroup#1}}%
9802 \namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
9803 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9804 \expandafter\count\csname footins#1\endcsname=1000\relax
9805 {\def\baselinestretch{\m@m@footnote@spacing}%
9806 \@nameuse{foottextfont#1}}%
9807 \dimen0=\baselineskip
9808 \multiply\dimen0 by 1024
9809 \divide\dimen0 by \hsize \multiply\dimen0 by 64
9810 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}
9811 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9812 \bidi@namelongdef{@parafootnotetext#1}##1{%
9813 \insert\@nameuse{footins#1}{
9814 \def\baselinestretch{\m@m@footnote@spacing}%
9815 \reset@font\@nameuse{foottextfont#1}}%
9816 \@preamfntext
9817 \protected@edef\@currentlabel{%
9818 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9819 \setbox0=\vbox{\hsize=\maxdimen
9820 \color@begingroup
9821 \noindent \@nameuse{@parafootfmt#1}##1}%
9822 \color@endgroup}%
9823 \m@mungebox}\m@mmf@prepare}}
9824 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9825 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9826 \global\setbox\@nameuse{mpfootins#1}\vbox{%
9827 \unvbox\@nameuse{mpfootins#1}
9828 \def\baselinestretch{\m@m@footnote@spacing}%
9829 \reset@font\@nameuse{foottextfont#1}}%
9830 \hsize\columnwidth \@parboxrestore
9831 \protected@edef\@currentlabel{%
9832 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9833 \setbox0=\vbox{\hsize=\maxdimen
9834 \color@begingroup
9835 \noindent \@nameuse{@parafootfmt#1}##1}%
9836 \color@endgroup}%
9837 \m@mungebox}\m@mmf@prepare}}
9838 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9839 \bidi@namelongdef{@parafootfmt#1}##1{%
9840 \parindent=\z@
9841 \parfillskip=0pt \@plus 1fil
9842 {\@nameuse{footfootmark#1}\strut
9843 {\@nameuse{foottextfont#1}##1}\penalty-10}}}
9844 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9845 \namedef{@para@footgroup#1}{%
9846 \unvbox\@nameuse{footins#1}
9847 \m@mmakehboxofhboxes
9848 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9849 \@parboxrestore%
9850 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9851 \@nameuse{foottextfont#1}%
9852 \noindent\unhbox0\par}}
9853 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9854 \@namedef{@mppara@footgroup#1}{%
9855 \unvbox\@nameuse{@mpfootins#1}
9856 \m@mmakehboxofhboxes
9857 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9858 \def\baselinestretch{\m@m@footnote@spacing}%
9859 \@nameuse{foottextfont#1}%
9860 \noindent\unhbox0\par}}
9861 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9862 \@namedef{@para@footstart#1}{%
9863 \vskip\bigskipamount
9864 \leftskip=\z@
9865 \rightskip=\z@
9866 \parindent=\z@
9867 \vskip\skip\@nameuse{footins#1}%
9868 \footnoterule}}
9869 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9870 \xdef\@freelist{\@freelist\@midlist}%
9871 \global\let\@midlist\@empty
9872 \@combinefloats}
9873 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
9874 \ifvbox\@kludgeins
9875 \@makespecialcolbox
9876 \else
9877 \setbox\@outputbox \vbox to\@colht{%
9878 \@texttop
9879 \dimen@ \dp\@outputbox
9880 \unvbox \@outputbox
9881 \vskip -\dimen@
9882 \@textbottom}%
9883 \fi}
9884 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9885 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
9886 \boxmaxdepth\@maxdepth
9887 \@tempdima\dp\@cclv
9888 \unvbox\@cclv
9889 \vskip-\@tempdima
9890 \bidi@mopfn@bottom
9891 \vskip \skip\footins
9892 \color@begingroup
9893 \normalcolor
9894 \footnoterule
9895 \unvbox \footins
9896 \color@endgroup}}
9897 \newcommand*{\bidi@mopfootnotebf}{%
9898 \setbox\@outputbox \vbox{%
9899 \boxmaxdepth\@maxdepth
9900 \unvbox\@outputbox

```



```

9901 \bidi@mopfn@bottom
9902 \vskip\skip\footins
9903 \color@begingroup
9904 \normalcolor
9905 \footnoterule
9906 \unvbox \footins
9907 \color@endgroup}}
9908 \gdef\mem@makecol{%
9909 \m@m@makecolintro
9910 \ifvoid\footins
9911 \setbox\@outputbox \box\@cclv
9912 \else
9913 \m@mopfootnote
9914 \fi
9915 \m@mdoextrafeet
9916 \m@m@makecolfloats
9917 \m@m@makecoltext
9918 \global \maxdepth \@maxdepth}
9919 \gdef\bidi@makecolbf{%
9920 \m@m@makecolintro
9921 \setbox\@outputbox \box\@cclv
9922 \m@m@makecolfloats
9923 \ifvoid\footins
9924 \else
9925 \bidi@mopfootnotebf
9926 \fi
9927 \m@mdoextrafeet
9928 \m@m@makecoltext
9929 \global \maxdepth \@maxdepth}
9930 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
9931 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
9932 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
9933 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
9934 \FeetAboveFloat
9935 \FeetBelowRagged

```

7.56 extreport-xetex-bidi.def

```

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

```



```

9948         \global\@nbreaktrue
9949         \everypar{\global\@nbreakfalse\everypar{}}%
9950     \endgroup
9951 \fi}
9952 \renewcommand*\l@chapter[2]{%
9953     \ifnum \c@tocdepth >\m@ne
9954         \addpenalty{-\@highpenalty}%
9955         \vskip 1.0em \@plus\p@
9956         \setlength\@tempdima{1.5em}%
9957         \begingroup
9958             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9959             \parfillskip -\@pnumwidth
9960             \leavevmode \bfseries
9961             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9962             \hskip -\if@RTL\rightskip\else\leftskip\fi
9963             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9964             \penalty\@highpenalty
9965         \endgroup
9966     \fi}
9967 \def\@makechapterhead#1{%
9968     \vspace*{50\p@}%
9969     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9970         \ifnum \c@secnumdepth >\m@ne
9971             \huge\bfseries \@chapapp\space \thechapter
9972             \par\nobreak
9973             \vskip 20\p@
9974         \fi
9975         \interlinepenalty\@M
9976         \Huge \bfseries #1\par\nobreak
9977         \vskip 40\p@
9978     }}
9979 \def\@makeschapterhead#1{%
9980     \vspace*{50\p@}%
9981     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9982         \normalfont
9983         \interlinepenalty\@M
9984         \Huge \bfseries #1\par\nobreak
9985         \vskip 40\p@
9986     }}
9987 \renewcommand\left@footnoterule{%
9988     \kern-3\p@
9989     \hrule\@width.4\columnwidth
9990     \kern2.6\p@}
9991 \renewcommand\right@footnoterule{%
9992     \kern-3\p@
9993     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9994     \kern2.6\p@}
9995 \renewenvironment{thebibliography}[1]
9996     {\chapter*{\bibname
9997         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%

```



```

9998 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9999 \list{\@biblabel{\@arabic\c@enumiv}}%
10000 {\settowidth\labelwidth{\@biblabel{#1}}%
10001 \leftmargin\labelwidth
10002 \advance\leftmargin\labelsep
10003 \@openbib@code
10004 \usecounter{enumiv}%
10005 \let\p@enumiv\@empty
10006 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10007 \sloppy\clubpenalty4000\widowpenalty4000%
10008 \sfcode`.\@m}
10009 {\def\@noitemerr
10010 {\@latex@warning{Empty `thebibliography' environment}}%
10011 \endlist}
10012 \if@titlepage
10013 \renewcommand\maketitle{\begin{titlepage}%
10014 \let\footnotesize\small
10015 \let\right@footnoterule\relax
10016 \let\left@footnoterule\relax
10017 \let\textwidth\footnoterule\relax
10018 \let \footnote \thanks
10019 \null\vfil
10020 \vskip 60\p@
10021 \begin{center}%
10022 {\LARGE \@title \par}%
10023 \vskip 3em%
10024 {\large
10025 \lineskip .75em%
10026 \begin{tabular}[t]{c}%
10027 \@author
10028 \end{tabular}\par}%
10029 \vskip 1.5em%
10030 {\large \@date \par}% % Set date in \large size.
10031 \end{center}\par
10032 \@thanks
10033 \vfil\null
10034 \end{titlepage}%
10035 \setcounter{footnote}{0}%
10036 \global\let\thanks\relax
10037 \global\let\maketitle\relax
10038 \global\let\@thanks\@empty
10039 \global\let\@author\@empty
10040 \global\let\@date\@empty
10041 \global\let\@title\@empty
10042 \global\let\title\relax
10043 \global\let\author\relax
10044 \global\let\date\relax
10045 \global\let\and\relax
10046 }
10047 \else

```




```

10048 \renewcommand\maketitle{\par
10049   \begingroup
10050     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10051     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10052     \long\def\@makefntext##1{\parindent 1em\noindent
10053       \hb@xt@1.8em{%
10054         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10055     \if@twocolumn
10056       \ifnum \col@number=\@ne
10057         \@maketitle
10058       \else
10059         \twocolumn[\@maketitle]%
10060       \fi
10061     \else
10062       \newpage
10063       \global\@topnum\z@    % Prevents figures from going at top of page.
10064       \@maketitle
10065     \fi
10066     \thispagestyle{plain}\@thanks
10067   \endgroup
10068   \setcounter{footnote}{0}%
10069   \global\let\thanks\relax
10070   \global\let\maketitle\relax
10071   \global\let\@maketitle\relax
10072   \global\let\@thanks\@empty
10073   \global\let\@author\@empty
10074   \global\let\@date\@empty
10075   \global\let\@title\@empty
10076   \global\let\title\relax
10077   \global\let\author\relax
10078   \global\let\date\relax
10079   \global\let\and\relax
10080 }
10081 \def\@maketitle{%
10082   \newpage
10083   \null
10084   \vskip 2em%
10085   \begin{center}%
10086     \let \footnote \thanks
10087     {\LARGE \@title \par}%
10088     \vskip 1.5em%
10089     {\large
10090       \lineskip .5em%
10091       \begin{tabular}[t]{c}%
10092         \@author
10093       \end{tabular}\par}%
10094     \vskip 1em%
10095     {\large \@date}%
10096   \end{center}%
10097   \par

```



```

10098 \vskip 1.5em}
10099 \fi
10100 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10101 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10102 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10103 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10104 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10105 \renewcommand\theequation{%
10106 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10107 \renewcommand\thefigure{%
10108 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10109 \renewcommand\thetable{%
10110 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}

```

7.57 fancybox-xetex-bidi.def

```

10111 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
10112 \def\fancy@oval#1#2#3{%
10113 \boxmaxdepth \maxdimen
10114 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10115 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10116 \@ovxx#1\relax
10117 \advance\@ovxx-\@wholewidth
10118 \@ovyy#2\relax
10119 \advance\@ovyy-\@wholewidth
10120 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
10121 \advance\@tempdimb-2\p@
10122 \ifdim\@tempdimb>\the@cornersize\relax
10123 \@tempdimb=\the@cornersize
10124 \fi
10125 \@getcirc\@tempdimb
10126 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10127 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10128 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10129 \@circlefnt
10130 \setbox\@tempboxa\hbox{\beginL%
10131 \if@ovr \@ovvert32\kern -\@tempdima \fi
10132 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10133 \if@ovt \@ovhorz \kern -\@ovxx \fi
10134 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10135 \advance\@ovdx\@ovro
10136 \advance\@ovdy\@ovro
10137 \advance\@ovxx\@wholewidth
10138 \wd\@tempboxa=\@ovxx
10139 \dp\@tempboxa=\z@}

```

7.58 fancyhdr-xetex-bidi.def

```

10140 \ProvidesFile{fancyhdr-xetex-bidi.def}[2016/09/12 v0.5 bidi adaptations for fancyhdr package for
10141
10142 \def\@fancyhead#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset

```



```

10143 \@fancyvbox\headheight{\hbox
10144   {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10145    \parbox[b]{\headwidth}{\centering#3}\hfill
10146    \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10147
10148 \def\@fancyfoot#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10149   \@fancyvbox\footskip{\footrule
10150    \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10151     \parbox[t]{\headwidth}{\centering#3}\hfill
10152     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}}}\#5}
10153

```

7.59 fix2col-xetex-bidi.def

```

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

```



```

10190 \global\setbox\@leftcolumn\copy\@outputbox
10191 \splitmaxdepth\maxdimen
10192 \vbadness\maxdimen
10193 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10194 \toks@\expandafter{\topmark}%
10195 \xdef\@firstcoltopmark{\the\toks@}%
10196 \toks@\expandafter{\splitfirstmark}%
10197 \xdef\@firstcolfirstmark{\the\toks@}%
10198 \ifx\@firstcolfirstmark\@empty
10199 \global\let\@setmarks\relax
10200 \else
10201 \gdef\@setmarks{%
10202 \let\firstmark\@firstcolfirstmark
10203 \let\topmark\@firstcoltopmark}%
10204 \fi
10205 \else
10206 \global\@firstcolumntrue
10207 \setbox\@outputbox\vbox{%
10208 \hb@xt@\textwidth{%
10209 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10210 \hfil
10211 \vrule \@width\columnseprule
10212 \hfil
10213 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10214 \@combinedblfloats
10215 \setmarks
10216 \@outputpage
10217 \beginngroup
10218 \@dblfloatplacement
10219 \@startdblcolumn
10220 \@whilesw\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10221 \endgroup
10222 \fi}

```

7.60 fleqn-xetex-bidi.def

```

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

```



```

10237         \endL\egroup
10238         \end{trivlist}%
10239         \else \@badmath
10240         \fi}
10241 \renewenvironment{equation}%
10242   {\@beginparpenalty\predisplaypenalty
10243   \endparpenalty\postdisplaypenalty
10244   \refstepcounter{equation}%
10245   \trivlist \item[]\leavevmode
10246     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10247     \displaystyle
10248     \hskip\mathindent}%
10249   {$\hfil % $
10250     \displaywidth\linewidth\hbox{\@eqnnum}%
10251   \endL\egroup
10252   \endtrivlist}

```

7.61 float-xetex-bidi.def

```

10253 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
10254 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10255   \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10256   \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10257 \def\float@newx#1[#2]{\@ifundefined{c#1}{\newcounter{#1}[#2]%
10258   \expandafter\edef\csname the#1\endcsname{%
10259     \expandafter\noexpand\csname
10260       the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10261   {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

7.62 floatrow-xetex-bidi.def

```

10262 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
10263 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10264   \expandafter\edef\csname theFB@captype\endcsname{%
10265     \expandafter\noexpand\csname
10266       the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

7.63 flowfram-xetex-bidi.def

```

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

```



```

10280 \ifodd\count\z@
10281 \let\@thehead\@oddhead
10282 \let\@thefoot\@oddfoot
10283 \else
10284 \let\@thehead\@evenhead
10285 \let\@thefoot\@evenfoot
10286 \fi
10287 \else
10288 \let\@thehead\@oddhead
10289 \let\@thefoot\@oddfoot
10290 \fi
10291 \@begindvi
10292 \@dodynamicthehead\@dodynamicthefoot
10293 \vbadness=\@M
10294 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
10295 \@combinedblfloats
10296 \@outputpage
10297 \advance\c@curpg by -\c@page\relax
10298 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10299 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
10300 \@outputpage}
10301 \begingroup
10302 \@dblfloatplacement
10303 \@startdblcolumn
10304 \@whilesw \if@colmade \fi
10305 {\@outputpage \@startdblcolumn }\endgroup
10306 \@resetst@tics
10307 \@resetdyn@mics
10308 \else % still on same page, save contents of box255
10309 \global\@firstcolumnfalse
10310 \setcolbox\c@thisframe
10311 \fi
10312 \global\c@thisframe=\@nxtcol
10313 \setcol{\c@thisframe}\relax
10314 \global\@colht\vsiz
10315 }
10316 \def\@outputpage{%
10317 \begingroup
10318 \let\protect\noexpand
10319 \@resetactivechars
10320 \global\let\@@if@newlist\if@newlist
10321 \global\@newlistfalse\@parboxrestore
10322 \shipout\vbox{\set@typeset@protect
10323 \aftergroup
10324 \endgroup
10325 \aftergroup
10326 \set@typeset@protect
10327 \reset@font\normalsize\normalsfcodes
10328 \let\label\@gobble
10329 \let\index\@gobble

```



```

10330 \let\glossary\@gobble
10331 \baselineskip\z@skip
10332 \lineskip\z@skip
10333 \lineskiplimit\z@
10334 \vskip\topmargin\moveright\@themargin
10335 \vbox{%
10336     \vskip\headheight
10337     \vskip\headsep
10338     \box\@outputbox
10339 }}%
10340 \global\let\if@newlist\@if@newlist
10341 \stepcounter{page}%
10342 \setcounter{displayedframe}{0}%
10343 \let\firstmark\botmark}
10344
10345
10346 \newcommand*\bidi@stfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{ }{%
10347 \expandafter\bidicolor\ff@txtcol}}
10348
10349 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10350 {\hb@xt@ #1{\hss{\bidi@stfftextcol #3}\hss}\vss\kern\z@}}}}
10351
10352
10353 \renewcommand*\@docolbox}[1]{%
10354 \edef\ff@frametype{%
10355 \csname @ff@frametype@\romannumeral#1\endcsname}%
10356 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10357 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10358 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10359 \@ff@setoffset{#1}%
10360 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10361 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
10362 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10363 {\csname colheight\romannumeral#1\endcsname}}{%
10364 \expandafter\box\csname column\romannumeral#1\endcsname}}{%
10365 \csname\ff@frametype\endcsname}%
10366 }{%
10367 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10368 {\csname colheight\romannumeral#1\endcsname}}{%
10369 \expandafter\box\csname column\romannumeral#1\endcsname}%
10370 }}
10371 \@ifclassloaded{book}{%
10372 \renewcommand\theequation
10373 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10374 \renewcommand \thefigure
10375 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10376 \renewcommand \thetable
10377 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10378 \renewcommand \thechapter {\@arabic\c@chapter}
10379 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}

```



```

10380 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10381 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10382 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10383 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10384 \@ifclassloaded{report}{%
10385 \renewcommand\theequation
10386 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10387 \renewcommand \thefigure
10388 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10389 \renewcommand \thetable
10390 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10391 \renewcommand \thechapter {\@arabic\c@chapter}
10392 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10393 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10394 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10395 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10396 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10397 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10398 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10399 \else
10400 #2\relax
10401 \fi}

```

7.64 footnote-xetex-bidi.def

```

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

```




```

10427 %      \footdir@debug{abspage \the\value{zabspage}: left}%
10428 %      \expandafter\ltx@firstofthree
10429 %      \else
10430 %      \footdir@debug{abspage \the\value{zabspage}: right}%
10431 %      \expandafter\ltx@secondofthree
10432 %      \fi
10433 %    }%
10434 %  }%
10435 %}{%
10436 \providecommand*{\c@zabspage}{\c@abspage}%
10437 \newcommand*{\footdir@LeftRightElse}{%
10438   \footdir@write
10439   \zifrefundefined{\thefootdir@label}{%
10440     \footdir@debug{abspage ??: else}%
10441     \ltx@thirdofthree
10442   }{%
10443     \edef\footdir@abspage{%
10444       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10445     }%
10446     \ltx@ifundefined{footdir@\footdir@abspage}{%
10447       \footdir@debug{\footdir@abspage: else}%
10448       \ltx@thirdofthree
10449     }{%
10450       \if\csname footdir@\footdir@abspage\endcsname L%
10451         \footdir@debug{\footdir@abspage: left}%
10452         \expandafter\ltx@firstofthree
10453       \else
10454         \footdir@debug{\footdir@abspage: right}%
10455         \expandafter\ltx@secondofthree
10456       \fi
10457     }%
10458   }%
10459 }%
10460 %}
10461 \newcommand*{\footdir@fntext}[1]{%
10462   \zifrefundefined{\thefootdir@label}{%
10463     }{%
10464       \edef\footdir@name{%
10465         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10466       }%
10467       \@ifundefined{footdir@name}{%
10468         \expandafter\gdef\csname footdir@name\endcsname{#1}%
10469       }{%
10470       }%
10471     }%
10472   }
10473 \newcommand*{\footdir@temp}[3]{%
10474   \@ifdefinable{#1}{%
10475     \let#1#2%
10476     \renewcommand{#2}[1]{%

```



```

10477 \footdir@write
10478 \footdir@fntext{#3}%
10479 \stepcounter{footdir@label}%
10480 \footdir@fntext{#3}%
10481 \footdir@toks{##1}%
10482 \footdir@toks\expandafter{%
10483 \the\expandafter\footdir@toks
10484 \expandafter
10485 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10486 }%
10487 \expandafter#1\expandafter{\the\footdir@toks}%
10488 }%
10489 }%
10490 }
10491
10492 \def\right@footnoterule{%
10493 \kern-3\p@
10494 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10495 \kern2.6\p@}
10496 \def\left@footnoterule{\kern-3\p@
10497 \hrule \@width .4\columnwidth \kern 2.6\p@}
10498 \def\textwidth@footnoterule{\kern-3\p@
10499 \hrule \@width \columnwidth \kern 2.6\p@}
10500 \def\leftfootnoterule{%
10501 \bidi@autofootnoterulefalse%
10502 \def\footnoterule{\left@footnoterule}}
10503 \let\LRfootnoterule=\leftfootnoterule
10504 \def\rightfootnoterule{%
10505 \bidi@autofootnoterulefalse%
10506 \def\footnoterule{\right@footnoterule}}
10507 \def\textwidthfootnoterule{%
10508 \bidi@autofootnoterulefalse%
10509 \def\footnoterule{\textwidth@footnoterule}}
10510
10511
10512
10513 \def\auto@footnoterule{%
10514 \footdir@LeftRightElse%
10515 \left@footnoterule%
10516 \right@footnoterule%
10517 \left@footnoterule%
10518 }
10519
10520
10521
10522 \def\autofootnoterule{%
10523 \bidi@autofootnoteruletrue%
10524 \def\footnoterule{\auto@footnoterule}%
10525 }
10526

```



```

10527 \newcommand*{\SplitFootnoteRule}{%
10528   \gdef\split@prev{0}
10529   \let\pagefootnoterule\footnoterule
10530   \let\mpfootnoterule\footnoterule
10531   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10532   \def\footnoterule{\relax
10533     \ifx \@listdepth\@mplistdepth
10534       \mpfootnoterule
10535     \else
10536       \ifnum\split@prev=\z@
10537         \pagefootnoterule
10538       \else
10539         \splitfootnoterule
10540       \fi
10541       \xdef\split@prev{\the\insertpenalties}%
10542     \fi
10543   }%
10544 }
10545
10546
10547
10548
10549 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10550   \protected@xdef\@thefnmark{\thempfn}%
10551   \@footnotemark\@RTLfootnotetext}}
10552 \def\@xRTLfootnote[#1]{%
10553   \begingroup
10554     \csname c@\@mpfn\endcsname #1\relax
10555     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10556   \endgroup
10557   \@footnotemark\@RTLfootnotetext}
10558 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10559   \protected@xdef\@thefnmark{\thempfn}%
10560   \@footnotemark\@LTRfootnotetext}}
10561 \def\@xLTRfootnote[#1]{%
10562   \begingroup
10563     \csname c@\@mpfn\endcsname #1\relax
10564     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10565   \endgroup
10566   \@footnotemark\@LTRfootnotetext}
10567
10568
10569 \def\setfootnoteRL{\@RTL@footnotetrue}
10570 \def\unsetfootnoteRL{\@RTL@footnotefalse}
10571 \def\setfootnoteLR{\unsetfootnoteRL}
10572
10573 \long\def\@footnotetext#1{\insert\footins{%
10574   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10575   \reset@font\footnotesize
10576   \interlinepenalty\interfootnotelinepenalty

```



```

10577 \splittopskip\footnotesep
10578 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10579 \hsize\columnwidth \@parboxrestore
10580 \protected@edef\@currentlabel{%
10581 \csname p@footnote\endcsname\@thefnmark
10582 }%
10583 \color@begingroup
10584 \makefnintext{%
10585 \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10586 \color@endgroup}}%
10587
10588
10589 \long\def\@RTLfootnotetext#1{\insert\footins{%
10590 \RTLtrue%
10591 \reset@font\footnotesize
10592 \interlinepenalty\interfootnotelinepenalty
10593 \splittopskip\footnotesep
10594 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10595 \hsize\columnwidth \@parboxrestore
10596 \protected@edef\@currentlabel{%
10597 \csname p@footnote\endcsname\@thefnmark
10598 }%
10599 \color@begingroup
10600 \makefnintext{%
10601 \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10602 \color@endgroup}}%
10603
10604 \long\def\@LTRfootnotetext#1{\insert\footins{%
10605 \RTLfalse%
10606 \reset@font\footnotesize
10607 \interlinepenalty\interfootnotelinepenalty
10608 \splittopskip\footnotesep
10609 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10610 \hsize\columnwidth \@parboxrestore
10611 \protected@edef\@currentlabel{%
10612 \csname p@footnote\endcsname\@thefnmark
10613 }%
10614 \color@begingroup
10615 \makefnintext{%
10616 \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10617 \color@endgroup}}%
10618
10619 \AtBeginDocument{%
10620 \if@RTL@footnote
10621 \newcommand*{\bidi@footdir@footnote}{R}
10622 \else
10623 \newcommand*{\bidi@footdir@footnote}{L}
10624 \fi%
10625 }
10626

```



```

10627 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10628 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10629 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10630
10631 \long\def\@mpRTLfootnotetext#1{%
10632   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnote
10633   \global\setbox\@mpfootins\vbox{\@RTLtrue%
10634     \unvbox\@mpfootins
10635     \reset@font\footnotesize
10636     \hsize\columnwidth
10637     \@parboxrestore
10638     \protected@edef\@currentlabel
10639       {\csname p@mpfootnote\endcsname\@thefnmark}%
10640     \color@begingroup
10641       \@makefntext{%
10642         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10643     \color@endgroup}}
10644 \long\def\@mpLTRfootnotetext#1{%
10645   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
10646   \global\setbox\@mpfootins\vbox{\@RTLfalse%
10647     \unvbox\@mpfootins
10648     \reset@font\footnotesize
10649     \hsize\columnwidth
10650     \@parboxrestore
10651     \protected@edef\@currentlabel
10652       {\csname p@mpfootnote\endcsname\@thefnmark}%
10653     \color@begingroup
10654       \@makefntext{%
10655         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10656     \color@endgroup}}
10657 \long\def\@mpfootnotetext#1{%
10658   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
10659   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10660     \unvbox\@mpfootins
10661     \reset@font\footnotesize
10662     \hsize\columnwidth
10663     \@parboxrestore
10664     \protected@edef\@currentlabel
10665       {\csname p@mpfootnote\endcsname\@thefnmark}%
10666     \color@begingroup
10667       \@makefntext{%
10668         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10669     \color@endgroup}}
10670 \def\@iiiminipage#1#2[#3]#4{%
10671   \leavevmode
10672   \@pboxswfalse
10673   \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10674   \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10675   \setlength\@tempdima{#4}%
10676   \def\@mpargs{{#1}{#2}[#3]{#4}}%

```



```

10677 \setbox\@tempboxa\vbox\bgroup
10678 \color@begingroup
10679 \hsize\@tempdima
10680 \textwidth\hsize \columnwidth\hsize
10681 \@parboxrestore
10682 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10683 \let\@footnotetext\@mpfootnotetext
10684 \let\@LTRfootnotetext\@mpLTRfootnotetext
10685 \let\@RTLfootnotetext\@mpRTLfootnotetext
10686 \let\@listdepth\@mplistdepth \@mplistdepth\z@
10687 \@minipagerestore
10688 \setminipage}
10689 \def\endminipage{%
10690 \par
10691 \unskip
10692 \ifvoid\@mpfootins\else
10693 \vskip\skip\@mpfootins
10694 \normalcolor
10695 \bidi@mpfootnoterule
10696 \unvbox\@mpfootins
10697 \fi
10698 \@minipagefalse %% added 24 May 89
10699 \color@endgroup
10700 \egroup
10701 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10702 \def\LTRthanks#1{\footnotemark
10703 \protected@xdef\@thanks{\@thanks
10704 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10705 }
10706 \def\LTRfootnotetext{%
10707 \ifnextchar [\@xLTRfootnotenext
10708 {\protected@xdef\@thefnmark{\thempfn}%
10709 \@LTRfootnotetext}}
10710 \def\@xLTRfootnotenext[#1]{%
10711 \begingroup
10712 \csname c@\@mpfn\endcsname #1\relax
10713 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10714 \endgroup
10715 \@LTRfootnotetext}
10716 \def\RTLthanks#1{\footnotemark
10717 \protected@xdef\@thanks{\@thanks
10718 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10719 }
10720 \let\@thanks\@empty
10721 \def\RTLfootnotetext{%
10722 \ifnextchar [\@xRTLfootnotenext
10723 {\protected@xdef\@thefnmark{\thempfn}%
10724 \@RTLfootnotetext}}
10725 \def\@xRTLfootnotenext[#1]{%
10726 \begingroup

```



```

10727 \csname c@%mpfn\endcsname #1\relax
10728 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10729 \endgroup
10730 \@RTLfootnotetext}
10731 \leftfootnoterule

```

7.65 framed-xetex-bidi.def

```

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

```



```

10774 \ifdim\dimen@<2\baselineskip % Too little room on page
10775 | \message{Page has only \the\dimen@\space room left; eject. }%
10776 \eject \fb@adjheight \fb@put@frame#1#2%
10777 \else % there's appreciable room left on the page
10778 \fb@sizeofframe#1%
10779 | \message{\string\pagetotal=\the\pagetotal,
10780 | \string\pagegoal=\the\pagegoal,
10781 | \string\pagestretch=\the\pagestretch,
10782 | \string\pageshrink=\the\pageshrink,
10783 | \string\fb@frh=\the\fb@frh. \space}
10784 | \message{^^JBox of size \the\ht\@tempboxa\space}%
10785 \begingroup % temporarily set \dimen@ to be...
10786 \advance\dimen@.8\pageshrink % maximum space available on page
10787 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10788 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10789 \expandafter\endgroup
10790 % expand \ifdim, then restore \dimen@ to real room left on page
10791 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10792 | \message{fits in \the\dimen@. }%
10793 % ToDo: Change this to use vsplit anyway to capture the marks
10794 % MERGE THIS WITH THE else CLAUSE!!!
10795 \fb@putboxa#1%
10796 \fb@afterframe
10797 \else % box must be split
10798 | \message{must be split to fit in \the\dimen@. }%
10799 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10800 \fb@sizeofframe#2%
10801 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10802 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10803 \kern137sp\kern-137sp\penalty-30
10804 \unvbox\@tempboxa}%
10805 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10806 \splittopskip\the\splittopskip}%
10807 \boxmaxdepth\z@ \splittopskip\z@
10808 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10809 % Split box here
10810 \setbox\tw@vsplit\@tempboxa to\dimen@
10811 | \toks99\expandafter{\splitfirstmark}%
10812 | \toks98\expandafter{\splitbotmark}%
10813 | \message{Marks are: \the\toks99, \the\toks98. }%
10814 \setbox\tw@vbox{\unvbox\tw@}% natural-sized
10815 | \message{Natural height of split box is \the\ht\tw@, leaving
10816 | \the\ht\@tempboxa\space remainder. }%
10817 % If the split-to size > (\vsize-\topskip), then set box to full size.
10818 \begingroup
10819 \advance\dimen@\topskip
10820 \expandafter\endgroup
10821 \ifdim\dimen@>\pagegoal
10822 | \message{Frame is big -- Use up the full column. }%
10823 \dimen@ii\pagegoal

```




```

10824         \advance\dimen@ii -\topskip
10825         \advance\dimen@ii \FrameHeightAdjust\relax
10826     \else % suspect this is implemented incorrectly:
10827     % If the split-to size > feasible room_on_page, rebox it smaller.
10828         \advance\dimen@.8\pageshrink
10829         \ifdim\ht\tw@>\dimen@
10830 |         \message{Box too tall; rebox it to \the\dimen@.}%
10831         \dimen@ii\dimen@
10832     \else % use natural size
10833         \dimen@ii\ht\tw@
10834     \fi
10835 \fi
10836 % Re-box contents to desired size \dimen@ii
10837 \advance\dimen@ii -\fb@frh
10838 \setbox\tw@\vbox to\dimen@ii \bgroup
10839 % remove simulated frame and page flexibility:
10840 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10841 \unvbox\tw@ \unpenalty\unpenalty
10842 \ifdim\lastkern=-137sp % whole box went to next page
10843 |     \message{box split at beginning!}%
10844     % need work here???
10845 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10846     \fb@adjheight
10847     \fb@put@frame#1#2% INSERTED ???
10848 \else % Got material split off at the head
10849     \egroup \fb@resto@set
10850     \ifvoid\@tempboxa % it all fit after all
10851 |     \message{box split at end!}%
10852     \setbox\@tempboxa\box\tw@
10853     \fb@putboxa#1%
10854     \fb@afterframe
10855 \else % it really did split
10856 |     \message{box split as expected. Its reboxed height is \the\ht\tw@.}%
10857     \ifdim\wd\tw@>\z@
10858         \wd\tw@\wd\@tempboxa
10859         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10860     \else
10861 |     \message{Zero width means likely blank. Don't frame it (guess)}%
10862     \box\tw@
10863     \fi
10864     \hrule \@height\z@ \@width\hsize
10865     \eject
10866     \fb@adjheight
10867     \fb@put@frame\LastFrameCommand\MidFrameCommand
10868 \fi\fi\fi\fi\fi
10869 }
10870 \def\fb@putboxa#1{%
10871     \ifvoid\@tempboxa
10872         \PackageWarning{framed}{Boxa is void -- discard it.}%
10873     \else

```



```

10874 | \message{Frame and place boxa. }%
10875 | %{\showoutput\showbox\@tempboxa}%
10876 | \centerline{#1{\hboxL{\box\@tempboxa}}}%
10877 | \fi
10878 }
10879 \catcode`\|=\FrameRestore
10880 \def\FrameRestore{%
10881 | \let\if@nbreak\iffalse
10882 | \let\if@noskipsec\iffalse
10883 | \let\-\@dischyp
10884 | \let'\@acci\let'\@accii\let\=\@acciii
10885 | % \message{FrameRestore:
10886 | % \totalleftmargin=\the \totalleftmargin,
10887 | % \rightmargin=\the\rightmargin,
10888 | % \listdepth=\the\@listdepth. }%
10889 | % Test if we are in a list (or list-like paragraph)
10890 | \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
10891 | \ifdim\rightmargin>\z@ 1\fi
10892 | \ifnum\@listdepth>\z@ 1\fi 0>\z@
10893 | % \message{In a list: \linewidth=\the\linewidth, \totalleftmargin=\the\totalleftmargin,
10894 | % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10895 | % \labelwidth=\the\labelwidth. }%
10896 | \@setminipage % snug fit around the item
10897 | % Now try to propagate changes of width from \hsize to list parameters.
10898 | % This is deficient, but a more advanced way to indicate modification to text
10899 | % dimensions is not (yet) provided; in particular, no separate left/right
10900 | % adjustment.
10901 | \advance\linewidth-\columnwidth \advance\linewidth\hsize
10902 | \parshape\@ne \totalleftmargin \linewidth
10903 | \else % Not in list
10904 | \linewidth=\hsize
10905 | %\message{No list, set \string\linewidth=\the\hsize. }%
10906 | \fi
10907 | \sloppy
10908 }

```

7.66 ftnright-xetex-bidi.def

```

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

```



```

10921 \toks@expandafter{\topmark}%
10922 \xdef\@firstcoltopmark{\the\toks@}%
10923 \toks@expandafter{\splitfirstmark}%
10924 \xdef\@firstcolfirstmark{\the\toks@}%
10925 \ifx\@firstcolfirstmark\@empty
10926   \global\let\@setmarks\relax
10927 \else
10928   \gdef\@setmarks{%
10929     \let\firstmark\@firstcolfirstmark
10930     \let\topmark\@firstcoltopmark}%
10931 \fi
10932 \else
10933 \preparefootins
10934 \global\@firstcolumntrue
10935 \setbox\@outputbox\vbox{%
10936   \hb@xt@\textwidth{%
10937     \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10938     \hfil
10939     {\normalcolor\vrule \@width\columnseprule}%
10940     \hfil
10941     \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10942 \@combinedblfloats
10943 \@setmarks
10944 \@outputpage
10945 \begingroup
10946   \@dblfloatplacement
10947   \@startdblcolumn
10948   \@whiles\if@colmade \fi{\@outputpage
10949     \@startdblcolumn}%
10950 \endgroup
10951 \fi}%
10952
10953
10954
10955 \def\RTL@outputdblcol{%
10956   \if@firstcolumn
10957     \global\@firstcolumnfalse
10958     \global\setbox\@leftcolumn\copy\@outputbox
10959     \global\count\footins\@m
10960     \global\skip\footins\rcol@footinsskip
10961     \splitmaxdepth\maxdimen
10962     \vbadness\maxdimen
10963     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10964     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10965     \toks@expandafter{\topmark}%
10966     \xdef\@firstcoltopmark{\the\toks@}%
10967     \toks@expandafter{\splitfirstmark}%
10968     \xdef\@firstcolfirstmark{\the\toks@}%
10969     \ifx\@firstcolfirstmark\@empty
10970       \global\let\@setmarks\relax

```



```

10971 \else
10972 \gdef\@setmarks{%
10973 \let\firstmark\@firstcolfirstmark
10974 \let\topmark\@firstcoltopmark}%
10975 \fi
10976 \else
10977 \preparefootins
10978 \global\@firstcolumntrue
10979 \setbox\@outputbox\vbox{%
10980 \hb@xt@\textwidth{%
10981 \hskip \columnwidth
10982 \hfil
10983 {\normalcolor\vrule \@width\columnseprule}%
10984 \hfil
10985 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10986 \hskip -\textwidth
10987 \hb@xt@\columnwidth{\box\@outputbox \hss}%
10988 \hskip \columnsep
10989 \hskip \columnwidth }}%
10990 \@combinedblfloats
10991 \@setmarks
10992 \@outputpage
10993 \begingroup
10994 \@dblfloatplacement
10995 \@startdblcolumn
10996 \@whiles\if@colmade \fi{\@outputpage
10997 \@startdblcolumn}%
10998 \endgroup
10999 \fi}%
11000
11001
11002
11003 \let\leftfootnoterule\@empty
11004 \let\rightfootnoterule\@empty
11005 \let\textwidthfootnoterule\@empty
11006 \let\autofootnoterule\@empty
11007 \let\footnoterule\@empty
11008 \long\def\@makefnmark#1{\parindent 1em
11009 \noindent\hbox to 2em{}}%
11010 \llap{\@thefnmark\hbox{.}\,\,\,}#1}

```

7.67 graphicx-xetex-bidi.def

```

11011 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
11012 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11013 \Grot@setangle{#1}%
11014 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11015 \Grot@x\z@
11016 \Grot@y\z@
11017 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}

```



```

11018 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11019 \leavevmode
11020 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11021 \setbox\z@\hbox{{#3}}%
11022 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11023 \ifdim#2\p<\z@
11024 \ht\tw@-#2\dp\z@
11025 \dp\tw@-#2\ht\z@
11026 \else
11027 \ht\tw@#2\ht\z@
11028 \dp\tw@#2\dp\z@
11029 \fi
11030 \ifdim#1\p<\z@
11031 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11032 \else
11033 \wd\tw@#1\wd\z@
11034 \box\tw@
11035 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11036 \def\Gin@iii[#1,#2][#3,#4]#5{%
11037 \begingroup
11038 \ifmmode\else\if@RTL\beginL\fi\fi
11039 \Gin@bboxtrue
11040 \Gin@defaultbp\Gin@llx{#1}%
11041 \Gin@defaultbp\Gin@lly{#2}%
11042 \Gin@defaultbp\Gin@urx{#3}%
11043 \Gin@defaultbp\Gin@ury{#4}%
11044 \Gininclude@graphics{#5}%
11045 \ifmmode\else\if@RTL\endL\fi\fi
11046 \endgroup}
11047 \def\Gin@ii[#1]#2{%
11048 \def\@tempa{[]}\def\@tempb{#2}%
11049 \ifx\@tempa\@tempb
11050 \def\@tempa{\Gin@iii[#1] []}%
11051 \expandafter\@tempa
11052 \else
11053 \begingroup
11054 \ifmmode\else\if@RTL\beginL\fi\fi
11055 \@tempswafalse
11056 \toks@{\Gininclude@graphics{#2}}%
11057 \setkeys{Gin}{#1}%
11058 \Gin@esetsize
11059 \the\toks@
11060 \ifmmode\else\if@RTL\endL\fi\fi
11061 \endgroup
11062 \fi}
11063 \def\reflectbox{\bidiGscale@box-1[1]}
11064 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11065 \leavevmode
11066 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11067 \setbox\z@\hbox{{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}}

```



```

11068 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11069 \ifdim#2\p@<\z@
11070 \ht\tw@-#2\dp\z@
11071 \dp\tw@-#2\ht\z@
11072 \else
11073 \ht\tw@#2\ht\z@
11074 \dp\tw@#2\dp\z@
11075 \fi
11076 \ifdim#1\p@<\z@
11077 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11078 \else
11079 \wd\tw@#1\wd\z@
11080 \box\tw@
11081 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11082 \def\scalebox#1{%
11083 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
11084 \def\resizebox{%
11085 \leavevmode
11086 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11087 \def\bidiGscale@@box#1#2#3{%
11088 \let\@tempa\Gin@exclamation
11089 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11090 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11091 \ifx\@tempb\@tempa
11092 \ifx\@tempc\@tempa
11093 \toks@{\mbox}%
11094 \else
11095 \toks@{\bidiGscale@box@dd{#3}#1}%
11096 \fi
11097 \else
11098 \ifx\@tempc\@tempa
11099 \toks@{\bidiGscale@box@dd{#2}\width}%
11100 \else
11101 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11102 \fi
11103 \fi
11104 \the\toks@}
11105 \long\def\bidiGscale@box@dd#1#2#3{%
11106 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
11107 \setlength\@tempdima{#1}%
11108 \setlength\@tempdimb{#2}%
11109 \Gscale@div\@tempa\@tempdima\@tempdimb
11110 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11111 \end@tempboxa}
11112 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
11113 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
11114 \setlength\@tempdima{#1}%
11115 \setlength\@tempdimb{#2}%
11116 \Gscale@div\@tempa\@tempdima\@tempdimb
11117 \setlength\@tempdima{#3}%

```



```

11118 \setlength\@tempdimb{#4}%
11119 \Gscale@div\@tempb\@tempdima\@tempdimb
11120 \ifGin@iso
11121 \ifdim\@tempa\p@>\@tempb\p@
11122 \let\@tempa\@tempb
11123 \else
11124 \let\@tempb\@tempa
11125 \fi
11126 \fi
11127 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11128 \@end@tempboxa}

```

7.68 geometry-xetex-bidi.def

```

11129 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for X
11130 \renewcommand*{\Gm@vrules@mpi}{%
11131 \if@RTLmain%
11132 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11133 \llap{\Gm@vrule}\ignorespaces
11134 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11135 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11136 \else%
11137 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11138 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11139 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11140 \renewcommand*{\Gm@vrules@mpii}{%
11141 \if@RTLmain%
11142 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11143 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11144 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11145 \else%
11146 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11147 \llap{\Gm@vrule}\ignorespaces
11148 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11149 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11150

```

7.69 hvfloat-xetex-bidi.def

```

11151 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
11152 \def\do@hvFloat[#1]#2#3{%
11153 \def\hv@shortCap{#1}
11154 \def\hv@longCap{#2}
11155 \def\hv@label{#3}
11156 %\newcommand*{\hvFloat}[5][{}]{%
11157 % [#1]: keyvalues
11158 % #2: type figure | table | ...
11159 % #3: float contents
11160 % [#4]: short caption
11161 % #5: caption
11162 % #6: label

```



```

11163 % \setDefault%
11164 % \def\@tempa{#1}%
11165 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11166 % \def\@tempa{90}%
11167 % \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11168 % \else \setlength{\hvMaxCapWidth}{\linewidth}
11169 % \fi
11170 %
11171 % First we save the object in \hvObjectBox
11172 %
11173 % \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11174 % \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11175 % \else
11176 % \savebox{\hvObjectBox}{%
11177 % \rotatebox{\hvSet@objectAngle}{%
11178 % \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11179 % \fi
11180 % \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11181 %
11182 % Now we save the caption with its defined \hvCapWidth
11183 %
11184 % \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11185 % \else
11186 % \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11187 % \else
11188 % \setlength{\hvCapWidth}{\hvObjectWidth}
11189 % \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11190 % \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11191 % \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11192 % \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11193 % \else
11194 % \setlength{\hvCapWidth}{\hvMaxCapWidth}
11195 % \fi
11196 % \fi
11197 % \fi
11198 %
11199 % now we have the object and the caption with the right
11200 % rotated angles saved in boxes
11201 %
11202 % \def\fps@figure{\hvSet@floatPos}
11203 % \ifhv@nonFloat\begin{group}% Start the nonfloat part
11204 % \else \begin{\hv@floatType}% Start the floating environment
11205 % \fi%
11206 % \saveCaptionSkip% we put this space ourselves
11207 % \ifx\hvSet@capAngle\hv@Width % need rotation?
11208 % \sbox{\hvCaptionBox}{%
11209 % \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11210 % \ifhv@nonFloat%
11211 % \ifhv@onlyText#2%
11212 % \else%

```




```

11213 \ifx\hv@floatType\hv@figure
11214 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11215 \else
11216 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11217 \fi
11218 \fi
11219 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11220 \fi%
11221 \label{#3}%
11222 \end{minipage}%
11223 }%
11224 \else%
11225 \sbox{\hvCaptionBox}{%
11226 \rotatebox{\hvSet@capAngle}{%
11227 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11228 \ifhv@nonFloat%
11229 \ifhv@onlyText#2%
11230 \else%
11231 \ifx\hv@floatType\hv@figure
11232 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11233 \else
11234 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11235 \fi
11236 \fi
11237 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11238 \fi%
11239 \label{#3}%
11240 \end{minipage}%
11241 }%
11242 }%
11243 \fi%
11244 %%
11245 \restoreCaptionSkip% save old values
11246 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
11247 \else%
11248 \ifx\hvSet@objectPos\hv@Center
11249 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11250 \fi%
11251 \fi%
11252 %
11253 % to rotate object and caption together, we save all in another box
11254 % the caption comes first, if its on the left or the top
11255 %
11256 \savebox{\@tempboxa}{%
11257 \ifx\hvSet@capPos\hv@Left % caption on left side
11258 \if@RTL%
11259 \ifx\hvSet@capVPos\hv@Center%
11260 \ifhv@fbox
11261 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11262 \else

```



```

11263 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11264 \fi%
11265 \hspace{\hvSet@floatCapSep pt}%
11266 \ifhv@fbox
11267 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11268 \else
11269 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11270 \fi%
11271 \else%
11272 \ifx\hvSet@capVPos\hv@Top
11273 \ifhv@fbox
11274 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11275 \else
11276 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11277 \fi%
11278 \hspace{\hvSet@floatCapSep pt}%
11279 \ifhv@fbox
11280 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11281 \else
11282 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11283 \fi
11284 \else
11285 \ifhv@fbox
11286 \fbox{\usebox{\hvObjectBox}}%
11287 \else
11288 \usebox{\hvObjectBox}%
11289 \fi
11290 \hspace{\hvSet@floatCapSep pt}%
11291 \ifhv@fbox
11292 \fbox{\usebox{\hvCaptionBox}}%
11293 \else
11294 \usebox{\hvCaptionBox}%
11295 \fi%
11296 \fi%
11297 \fi%
11298 \else% not RTL
11299 \ifx\hvSet@capVPos\hv@Center%
11300 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11301 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11302 \fi%
11303 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11304 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11305 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11306 \fi%
11307 \else%
11308 \ifx\hvSet@capVPos\hv@Top % caption at top
11309 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11310 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11311 \fi
11312 \hspace{\hvSet@floatCapSep pt}% capfloatsep

```



```

11313     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11314     \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
11315     \fi%
11316     \else% caption on bottom
11317     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11318         \else\usebox{\hvCaptionBox}
11319     \fi%
11320     \hspace{\hvSet@floatCapSep pt}%
11321     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11322     \else      \usebox{\hvObjectBox}
11323     \fi%
11324     \fi%
11325 \fi% end of RTL
11326 \fi%
11327 \else
11328 \ifx\hvSet@capPos\hv@Top
11329 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11330 \begin{minipage}{\wd\hvCaptionBox}
11331 \else
11332 \begin{minipage}{\wd\hvObjectBox}
11333 \fi
11334 \centering
11335 \ifhv@fbox
11336 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11337 \fbbox{\usebox{\hvObjectBox}}
11338 \else
11339 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11340 \usebox{\hvObjectBox}
11341 \fi%
11342 \end{minipage}
11343 \else
11344 \ifx\hvSet@capPos\hv@Bottom
11345 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11346 \begin{minipage}{\wd\hvCaptionBox}
11347 \else
11348 \begin{minipage}{\wd\hvObjectBox}
11349 \fi
11350 \centering
11351 \ifhv@fbox
11352 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11353 \fbbox{\usebox{\hvCaptionBox}}
11354 \else
11355 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11356 \usebox{\hvCaptionBox}
11357 \fi%
11358 \end{minipage}
11359 \else% the last option: put the caption on the right
11360 \if@RTL%
11361     \ifx\hvSet@capVPos\hv@Center%
11362     \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%

```



```

11363     \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11364     \fi%
11365     \hspace{\hvSet@floatCapSep pt}% capfloatsep
11366     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11367     \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
11368     \fi%
11369 \else%
11370 \ifx\hvSet@capVPos\hv@Top % caption at top
11371 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11372 \else      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11373 \fi
11374 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11375 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11376 \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
11377 \fi%
11378 \else% caption on bottom
11379 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11380 \else\usebox{\hvCaptionBox}
11381 \fi%
11382 \hspace{\hvSet@floatCapSep pt}%
11383 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11384 \else      \usebox{\hvObjectBox}
11385 \fi%
11386 \fi%
11387 \fi%
11388 \else% not RTL
11389 \ifx\hvSet@capVPos\hv@Center%
11390 \ifhv@fbox
11391 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11392 \else
11393 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11394 \fi%
11395 \hspace{\hvSet@floatCapSep pt}%
11396 \ifhv@fbox
11397 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11398 \else
11399 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11400 \fi%
11401 \else%
11402 \ifx\hvSet@capVPos\hv@Top
11403 \ifhv@fbox
11404 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11405 \else
11406 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11407 \fi%
11408 \hspace{\hvSet@floatCapSep pt}%
11409 \ifhv@fbox
11410 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11411 \else
11412 \raisebox{-\height}{\usebox{\hvCaptionBox}}%

```



```

11413 \fi
11414 \else
11415 \ifhv@fbox
11416 \fbox{\usebox{\hvObjectBox}}%
11417 \else
11418 \usebox{\hvObjectBox}%
11419 \fi
11420 \hspace{\hvSet@floatCapSep pt}%
11421 \ifhv@fbox
11422 \fbox{\usebox{\hvCaptionBox}}%
11423 \else
11424 \usebox{\hvCaptionBox}%
11425 \fi%
11426 \fi%
11427 \fi
11428 \fi% end of RTL
11429 \fi
11430 \fi
11431 \fi
11432 }% End savebox Object and caption
11433 %
11434 % now we rotate the object and caption, if needed
11435 %
11436 \ifx\hvSet@rotAngle\hv@Zero
11437 \usebox{\@tempboxa}
11438 \else
11439 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11440 \fi
11441 \ifhv@nonFloat
11442 \ifx\hvSet@objectPos\hv@Center
11443 \ifhv@nonFloat
11444 \hspace{\fill}
11445 \fi
11446 \fi
11447 \endgroup% End the nonfloat part
11448 \else
11449 \end{\hv@floatType}% End the floating environment
11450 \fi
11451 }

```

7.70 hyperref-xetex-bidi.def

```

11452 \ProvidesFile{hyperref-xetex-bidi.def}[2015/11/26 v0.9 bidi adaptations for hyperref package for
11453 \AtBeginDocument{%
11454 \def\contentsline#1#2#3#4{%
11455 \ifx\#4\%
11456 \csname l@#1\endcsname{#2}{#3}%
11457 \else
11458 \ifcase\Hy@linktoc % none
11459 \csname l@#1\endcsname{#2}{#3}%

```



```

11460 \or % section
11461 \csname l@#1\endcsname{%
11462 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11463 }{#3}%
11464 \or % page
11465 \csname l@#1\endcsname{#2}{%
11466 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11467 }%
11468 \else % all
11469 \csname l@#1\endcsname{%
11470 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11471 }{#3}%
11472 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11473 }%
11474 \fi
11475 \fi
11476 }
11477 \ifHy@hyperfootnotes
11478 \let\H@@footnotetext\@footnotetext
11479 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
11480 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
11481 \def\@xfootnotenext[#1]{%
11482 \begingroup
11483 \csname c@\@mpfn\endcsname #1\relax
11484 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11485 \endgroup
11486 \ifx\@footnotetext\@mpfootnotetext
11487 \expandafter\H@@mpfootnotetext
11488 \else
11489 \expandafter\H@@footnotetext
11490 \fi
11491 }%
11492 \def\@xRTLfootnotenext[#1]{%
11493 \begingroup
11494 \csname c@\@mpfn\endcsname #1\relax
11495 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11496 \endgroup
11497 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11498 \expandafter\HRTL@@mpRTLfootnotetext
11499 \else
11500 \expandafter\HRTL@@RTLfootnotetext
11501 \fi
11502 }%
11503 \def\@xLTRfootnotenext[#1]{%
11504 \begingroup
11505 \csname c@\@mpfn\endcsname #1\relax
11506 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11507 \endgroup
11508 \ifx\@LTRfootnotetext\@mplTRfootnotetext
11509 \expandafter\HLTR@@mplTRfootnotetext

```



```

11510 \else
11511 \expandafter\HLTR@@LTRfootnotetext
11512 \fi
11513 }%
11514 \def\xfootnotemark[#1]{%
11515 \begingroup
11516 \c@footnote #1\relax
11517 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11518 \endgroup
11519 \H@@footnotemark
11520 }%
11521 \let\H@mpfootnotetext\mpfootnotetext
11522 \let\HRTL@mpRTLfootnotetext\mpRTLfootnotetext
11523 \let\HLTR@mpLTRfootnotetext\mpLTRfootnotetext
11524 \long\def\@mpfootnotetext#1{%
11525 \H@mpfootnotetext{%
11526 \ifHy@nesting
11527 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11528 \else
11529 \Hy@raisedlink{%
11530 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11531 }#1%
11532 \fi
11533 }%
11534 }%
11535 \long\def\@mpRTLfootnotetext#1{%
11536 \HRTL@mpRTLfootnotetext{%
11537 \ifHy@nesting
11538 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11539 \else
11540 \Hy@raisedlink{%
11541 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11542 }#1%
11543 \fi
11544 }%
11545 }%
11546 \long\def\@mpLTRfootnotetext#1{%
11547 \HLTR@mpLTRfootnotetext{%
11548 \ifHy@nesting
11549 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11550 \else
11551 \Hy@raisedlink{%
11552 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11553 }#1%
11554 \fi
11555 }%
11556 }%
11557 \long\def\@footnotetext#1{%
11558 \H@@footnotetext{%
11559 \ifHy@nesting

```



```

11560         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11561     \else
11562         \Hy@raisedlink{%
11563             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11564         }%
11565         \let\@currentHlabel\Hy@footnote@currentHlabel
11566         \let\@currentHref\Hy@footnote@currentHref
11567         \let\@currentlabelname\@empty
11568         #1%
11569     \fi
11570 }%
11571 }%
11572 \long\def\@RTLfootnotetext#1{%
11573 \HRTL@RTLfootnotetext{%
11574     \ifHy@nesting
11575         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11576     \else
11577         \Hy@raisedlink{%
11578             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11579         }%
11580         \let\@currentHlabel\Hy@footnote@currentHlabel
11581         \let\@currentHref\Hy@footnote@currentHref
11582         \let\@currentlabelname\@empty
11583         #1%
11584     \fi
11585 }%
11586 }%
11587 \long\def\@LTRfootnotetext#1{%
11588 \HLTR@LTRfootnotetext{%
11589     \ifHy@nesting
11590         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11591     \else
11592         \Hy@raisedlink{%
11593             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11594         }%
11595         \let\@currentHlabel\Hy@footnote@currentHlabel
11596         \let\@currentHref\Hy@footnote@currentHref
11597         \let\@currentlabelname\@empty
11598         #1%
11599     \fi
11600 }%
11601 }%
11602 \@ifpackageloaded{tabularx}{%
11603 \let\HyOrg@TX@endtabularx\TX@endtabularx
11604 \def\Hy@tabularx@hook{%
11605     \let\@footnotetext\H@footnotetext
11606     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
11607     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
11608     \let\@footnotemark\H@footnotemark
11609     \let\@mpfootnotetext\H@mpfootnotetext

```




```

11610 \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
11611 \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
11612 }%
11613 \begingroup
11614 \toks@{\expandafter{\TX@endtabularx}}%
11615 \xdef\Hy@gtemp{%
11616 \noexpand\Hy@tabularx@hook
11617 \the\toks@
11618 }%
11619 \endgroup
11620 \let\TX@endtabularx\Hy@gtemp
11621 }{}%
11622 \@ifpackageloaded{longtable}{%
11623 \CheckCommand*{\LT@p@LTRftntext}[1]{%
11624 \edef\@tempa{%
11625 \the\LT@p@ftn
11626 \noexpand\LTRfootnotetext[\the\c@footnote]}%
11627 }%
11628 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11629 }%
11630 \long\def\LT@p@LTRftntext#1{%
11631 \edef\@tempa{%
11632 \the\LT@p@ftn
11633 \begingroup
11634 \noexpand\c@footnote=\the\c@footnote\relax
11635 \noexpand\protected@xdef\noexpand\@thefnmark{%
11636 \noexpand\thempfn
11637 }%
11638 \noexpand\Hy@LT@LTRfootnotetext{%
11639 \Hy@footnote@currentHref
11640 }%
11641 }%
11642 \global\LT@p@ftn\expandafter{%
11643 \@tempa{#1}}%
11644 \endgroup
11645 }%
11646 }%
11647 \long\def\Hy@LT@LTRfootnotetext#1#2{%
11648 \HLTR@@LTRfootnotetext{%
11649 \ifHy@nesting
11650 \hyper@@anchor{#1}{#2}%
11651 \else
11652 \Hy@raisedlink{%
11653 \hyper@@anchor{#1}{\relax}}%
11654 }%
11655 \def\@currentHref{#1}%
11656 \let\@currentlabelname\@empty
11657 #2%
11658 \fi
11659 }%

```



```

11660 }%
11661 \CheckCommand*{\LT@p@RTLftntext}[1]{%
11662   \edef\@tempa{%
11663     \the\LT@p@ftn
11664     \noexpand\RTLfootnotetext[\the\c@footnote]%
11665   }%
11666   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11667 }%
11668 \long\def\LT@p@RTLftntext#1{%
11669   \edef\@tempa{%
11670     \the\LT@p@ftn
11671     \begingroup
11672       \noexpand\c@footnote=\the\c@footnote\relax
11673       \noexpand\protected@xdef\noexpand\@thefnmark{%
11674         \noexpand\thempfn
11675       }%
11676       \noexpand\Hy@LT@RTLfootnotetext{%
11677         \Hy@footnote@currentHref
11678       }%
11679     }%
11680     \global\LT@p@ftn\expandafter{%
11681       \@tempa{#1}%
11682     }%
11683   }%
11684 }%
11685 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11686   \HRTL@RTLfootnotetext{%
11687     \ifHy@nesting
11688       \hyper@@anchor{#1}{#2}%
11689     \else
11690       \Hy@raisedlink{%
11691         \hyper@@anchor{#1}{\relax}%
11692       }%
11693       \def\@currentHref{#1}%
11694       \let\@currentlabelname\@empty
11695       #2%
11696     \fi
11697   }%
11698 }%
11699 }{}%
11700 \@ifpackageloaded{bidipoem}{%
11701   \long\def\bidipoem@p@ftntext#1{%
11702     \edef\@tempx{%
11703       \the\bidipoem@p@ftn
11704     }%
11705     \begingroup
11706       \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11707       \noexpand\protected@xdef\noexpand\@thefnmark{%
11708         \noexpand\thempfn
11709       }%
11710       \noexpand\Hy@bidipoem@footnotetext{%

```



```

11710         \Hy@footnote@currentHref
11711     }%
11712 }%
11713 \global\bidipoem@p@ftn\expandafter{%
11714     \@temp{#1}%
11715 \endgroup
11716 }%
11717 }%
11718 \long\def\Hy@bidipoem@footnotetext#1#2{%
11719     \H@@footnotetext{%
11720         \ifHy@nesting
11721             \hyper@@anchor{#1}{#2}%
11722         \else
11723             \Hy@raisedlink{%
11724                 \hyper@@anchor{#1}{\relax}%
11725             }%
11726             \def\@currentHref{#1}%
11727             \let\@currentlabelname\@empty
11728             #2%
11729         \fi
11730     }%
11731 }%
11732 \long\def\bidipoem@p@LTRftntext#1{%
11733     \edef\@tempxi{%
11734         \the\bidipoem@p@ftn
11735     \beginingroup
11736     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11737     \noexpand\protected@xdef\noexpand\@thefnmark{%
11738         \noexpand\thempfn
11739     }%
11740     \noexpand\Hy@bidipoem@LTRfootnotetext{%
11741         \Hy@footnote@currentHref
11742     }%
11743 }%
11744 \global\bidipoem@p@ftn\expandafter{%
11745     \@tempxi{#1}%
11746 \endgroup
11747 }%
11748 }%
11749 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11750     \HLTR@@LTRfootnotetext{%
11751         \ifHy@nesting
11752             \hyper@@anchor{#1}{#2}%
11753         \else
11754             \Hy@raisedlink{%
11755                 \hyper@@anchor{#1}{\relax}%
11756             }%
11757             \def\@currentHref{#1}%
11758             \let\@currentlabelname\@empty
11759             #2%

```



```

11760         \fi
11761     }%
11762 }%
11763     \long\def\bidipoem@p@RTLftntext#1{%
11764     \edef\@tempxi{%
11765     \the\bidipoem@p@ftn
11766     \begingroup
11767     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11768     \noexpand\protected@xdef\noexpand\@thefnmark{%
11769     \noexpand\thempfn
11770     }%
11771     \noexpand\Hy@bidipoem@RTLfootnotetext{%
11772     \Hy@footnote@currentHref
11773     }%
11774     }%
11775     \global\bidipoem@p@ftn\expandafter{%
11776     \@tempxi{#1}%
11777     \endgroup
11778     }%
11779 }%
11780 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11781 \HRTL@RTLfootnotetext{%
11782 \ifHy@nesting
11783 \hyper@@anchor{#1}{#2}%
11784 \else
11785 \Hy@raisedlink{%
11786 \hyper@@anchor{#1}{\relax}%
11787 }%
11788 \def\@currentHref{#1}%
11789 \let\@currentlabelname\@empty
11790 #2%
11791 \fi
11792 }%
11793 }%
11794 }{}%
11795 \let\HyOrg@maketitle\maketitle
11796 \def\maketitle{%
11797 \let\Hy@saved@footnotemark\@footnotemark
11798 \let\Hy@saved@footnotetext\@footnotetext
11799 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11800 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11801 \let\@footnotemark\H@footnotemark
11802 \let\@footnotetext\H@footnotetext
11803 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
11804 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
11805 \@ifnextchar[\Hy@maketitle@optarg{ } ]
11806 \HyOrg@maketitle
11807 \Hy@maketitle@end
11808 }%
11809 }%

```



```

11810 \def\Hy@maketitle@optarg[#1]{%
11811   \HyOrg@maketitle[{#1}]%
11812   \Hy@maketitle@end
11813 }%
11814 \def\Hy@maketitle@end{%
11815   \ifx\@footnotemark\H@@footnotemark
11816     \let\@footnotemark\Hy@saved@footnotemark
11817   \fi
11818   \ifx\@footnotetext\H@@footnotetext
11819     \let\@footnotetext\Hy@saved@footnotetext
11820   \fi
11821   \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11822     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11823   \fi
11824   \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11825     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11826   \fi
11827 }%
11828 \def\realfootnote{%
11829   \@ifnextchar[\@xfootnote{%
11830     \stepcounter{\@mpfn}%
11831     \protected@xdef\@thefnmark{\thempfn}%
11832     \H@@footnotemark\H@@footnotetext
11833   }%
11834 }%
11835 \fi
11836 \def\Hy@BeginAnnot#1{%
11837   \ifmmode\else\beginL\fi%
11838   \stepcounter{Hy@AnnotLevel}%
11839   \ifnum\value{Hy@AnnotLevel}=\@ne
11840     #1%
11841   \fi
11842 }
11843 \def\Hy@endAnnot{%
11844   \ifnum\value{Hy@AnnotLevel}=\@ne
11845     \Hy@endcolorlink
11846     \@pdfm@mark{eann}%
11847   \fi
11848   \addtocounter{Hy@AnnotLevel}\m@ne
11849   \ifmmode\else\endL\fi%
11850 }
11851 \def\hyper@link#1#2#3{%
11852   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\H
11853 }
11854 \def\hyper@linkfile#1#2#3{%
11855   \leavevmode
11856   \Hy@BeginAnnot{%
11857     \def\Hy@pstringF{#2}%
11858     \Hy@CleanupFile\Hy@pstringF
11859     \Hy@pstringdef\Hy@pstringF\Hy@pstringF

```



```

11860 \Hy@pstringdef\Hy@pstringD{#3}%
11861 \Hy@MakeRemoteAction
11862 \@pdfm@mark{%
11863     bann<<%
11864     /Type/Annot%
11865     /Subtype/Link%
11866     \ifHy@pdfa /F 4\fi
11867     \Hy@setpdfborder
11868     \ifx\@filebordercolor\relax
11869     \else
11870     /C[\@filebordercolor]%
11871     \fi
11872     /A<<%
11873     /S/GoToR%
11874     /F(\Hy@pstringF)%
11875     /D%
11876     \ifx\#3\%
11877     [\Hy@href@page\@pdfremotestartview]%
11878     \else
11879     (\Hy@pstringD)%
11880     \fi
11881     \Hy@SetNewWindow
11882     \Hy@href@nextactionraw
11883     >>%
11884     >>%
11885     }%
11886     \Hy@colorlink\@filecolor
11887 }%
11888 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11889 \Hy@EndAnnot
11890 }
11891 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
11892 \leavevmode
11893 \Hy@BeginAnnot{%
11894 \Hy@pstringdef\Hy@pstringF{#1}%
11895 \Hy@pstringdef\Hy@pstringP{#3}%
11896 \@pdfm@mark{%
11897     bann<<%
11898     /Type/Annot%
11899     /Subtype/Link%
11900     \ifHy@pdfa /F 4\fi
11901     \Hy@setpdfborder
11902     \ifx\@runbordercolor\relax
11903     \else
11904     /C[\@runbordercolor]%
11905     \fi
11906     /A<<%
11907     /F(\Hy@pstringF)%
11908     /S/Launch%
11909     \Hy@SetNewWindow

```



```

11910         \ifx\\#3\\%
11911         \else
11912             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
11913         \fi
11914         \Hy@href@nextactionraw
11915     >>%
11916 >>%
11917 }%
11918 \Hy@colorlink\@runcolor
11919 }%
11920 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11921 \Hy@endAnnot
11922 }
11923 \def\hyper@linkurl#1#2{%
11924     \leavevmode
11925     \Hy@BeginAnnot{%
11926         \Hy@pstringdef\Hy@pstringURI{#2}%
11927         \@pdfm@mark{%
11928             bann<<%
11929             /Type/Annot%
11930             /Subtype/Link%
11931             \ifHy@pdfa /F 4\fi
11932             \Hy@setpdfborder
11933             \ifx\@urlbordercolor\relax
11934             \else
11935                 /C[\@urlbordercolor]%
11936             \fi
11937             /A<<%
11938             /S/URI%
11939             /URI(\Hy@pstringURI)%
11940             \ifHy@href@ismap
11941                 /IsMap true%
11942             \fi
11943             \Hy@href@nextactionraw
11944             >>%
11945             >>%
11946         }%
11947         \Hy@colorlink\@urlcolor
11948     }%
11949     \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11950     \Hy@endAnnot
11951 }
11952 \def\Acrobatmenu#1#2{%
11953     \Hy@Acrobatmenu{#1}{#2}{%
11954         \Hy@BeginAnnot{%
11955             \EdefEscapeName\Hy@temp@menu{#1}%
11956             \@pdfm@mark{%
11957                 bann<<%
11958                 /Type/Annot%
11959                 /Subtype/Link%

```



```

11960         \ifHy@pdfa /F 4\fi
11961         \Hy@setpdfborder
11962         \ifx\@menubordercolor\relax
11963         \else
11964             /C[\@menubordercolor]%
11965         \fi
11966         /A<<%
11967         /S/Named%
11968         /N/\Hy@temp@menu
11969         \Hy@href@nextactionraw
11970         >>%
11971     >>%
11972     }%
11973     \Hy@colorlink\@menucolor
11974 }%
11975 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11976 \Hy@endAnnot
11977 }%
11978 }
11979 \def\hyper@natlinkstart#1{%
11980     \Hy@backout{#1}%
11981     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11982     \def\hyper@nat@current{#1}%
11983 }
11984 \def\hyper@natlinkend{%
11985     \if@RTL\endR\fi\hyper@linkend
11986 }
11987 \def\hyper@natlinkbreak#1#2{%
11988     \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11989 }%
11990 }
11991 \pdfstringdefDisableCommands{%
11992     \let\LRE\@firstofone
11993     \let\LR\@firstofone
11994     \let\RLE\@firstofone
11995     \let\RL\@firstofone
11996     \def\XeTeX{Xe\TeX}
11997     \def\XeLaTeX{Xe\LaTeX}
11998 }
11999 \@ifpackageloaded{longtable}{%
12000     \begingroup
12001         \def\y{\LT@array}%
12002         \@ifundefined{scr@LT@array}{%
12003             \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12004             {\def\y{\scr@LT@array}}%
12005         \long\def\x\refstepcounter#1#2\sharp#3#4\@nil{%
12006             \expandafter\endgroup
12007             \expandafter\def\y[##1]##2{%
12008                 \H@refstepcounter{#1}%
12009                 \hyper@makecurrent{table}%

```




```

12010         \let\Hy@LT@currentHref\@currentHref
12011         #2\@sharp####4%
12012     }%
12013 }%
12014 \expandafter\expandafter\expandafter\x\y[{#1}]{#2}\@nil
12015 \begingroup
12016   \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12017     \endgroup
12018     \def\LT@start{%
12019       #1%
12020       \ifvoid\LT@foot#2\fi
12021       \let\@currentHref\Hy@LT@currentHref
12022       \Hy@raisedlink{%
12023         \hyper@anchorstart{\@currentHref}\hyper@anchorend
12024       }%
12025       #3%
12026     }%
12027   }%
12028   \expandafter\x\LT@start\@nil
12029 }{}

```

7.71 leqno-xetex-bidi.def

```

12030 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
12031 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12032         \rlap{
12033         \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\fi}

```

7.72 letter-xetex-bidi.def

```

12034 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class
12035 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
12036   \thispagestyle{firstpage}%
12037   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12038   \else % home address
12039     \thispagestyle{empty}%
12040     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}{l@
12041       \fromaddress \*[2\parskip]%
12042       \@date \end{tabular}\par}%
12043   \fi
12044   \vspace{2\parskip}%
12045   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
12046   \vspace{2\parskip}%
12047   #1\par\nobreak}
12048 \renewcommand\left@footnoterule{%
12049   \kern-\p@
12050   \hrule \@width .4\columnwidth
12051   \kern .6\p@}
12052 \renewcommand\right@footnoterule{%
12053   \kern-\p@
12054   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }

```



```
12055 \kern .6\p@}
```

7.73 lettrine-xetex-bidi.def

```
12056 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for
12057 \def\@lettrine[#1]#2#3{%
12058   \setcounter{L@lines}{\theDefaultLines}%
12059   \setcounter{L@depth}{\theDefaultDepth}%
12060   \renewcommand*{\L@hang}{\DefaultLhang}%
12061   \renewcommand*{\L@oversize}{\DefaultLoversize}%
12062   \renewcommand*{\L@raise}{\DefaultLraise}%
12063   \renewcommand*{\L@ante}{}%
12064   \setlength{\L@Findent}{\DefaultFindent}%
12065   \setlength{\L@Nindent}{\DefaultNindent}%
12066   \setlength{\L@slope}{\DefaultSlope}%
12067   \setlength{\L@novskip}{\DiscardVskip}%
12068   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12069   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12070   \if\DefaultOptionsFile\relax
12071   \else
12072     \begingroup
12073     \InputIfFileExists{\DefaultOptionsFile}%
12074     {}%
12075     {\PackageWarning{lettrine.sty}%
12076      {File \DefaultOptionsFile\space not found}}%
12077     }%
12078     \def\color##1##{\l@color{##1}}%
12079     \let\l@color\@gobbletwo
12080     \def\textcolor##1##{\l@textcolor{##1}}%
12081     \def\l@textcolor##1##2##3{##3}%
12082     \expandafter\ifx\csname l@#2-keys\endcsname\relax
12083       \gdef\l@LOKeys{}%
12084     \else
12085       \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12086     \fi
12087     \endgroup
12088     \def\KV@prefix{KV@L@}%
12089     \let\@tempc\relax
12090     \expandafter\KV@do\l@LOKeys,\relax,
12091     \sbox{\L@lbox}{\LettrineFont #2}%
12092     \setlength{\LettrineWidth}{\wd\L@lbox}%
12093     \def\KV@prefix{KV@L@}%
12094     \let\@tempc\relax
12095     \expandafter\KV@do\l@LOKeys,\relax,
12096     \fi
12097     \setkeys{L}{#1}%
12098     \ifL@image
12099       \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12100     \else
12101       \sbox{\L@lbox}{\LettrineFont #2}%
```



```

12102 \fi
12103 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12104 \@tempdima=\baselineskip
12105 \ifnum\theL@lines=1
12106   \setlength{\L@first}{\ht\L@lbox}%
12107   \addtolength{\L@first}{-\ht\L@tbox}%
12108   \setlength{\L@lraise}{\z@}%
12109 \else
12110   \setlength{\L@first}{-\theL@lines\@tempdima}%
12111   \addtolength{\L@first}{\@tempdima}%
12112   \sbox{\@tempboxa}{\LettrineTextFont x}%
12113   \addtolength{\L@first}{-\ht\@tempboxa}%
12114   \setlength{\L@lraise}{-\L@raise\L@first}%
12115   \addtolength{\L@first}{\L@lraise}%
12116   \addtolength{\L@first}{\ht\L@lbox}%
12117   \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12118   \addtolength{\L@lraise}{\@tempdima}%
12119 \fi
12120 \par
12121 \ifdim\L@first>\L@novskip
12122   \ifL@grid
12123     \@tempdima=\baselineskip
12124     \@tempdimb=\@tempdima
12125     \advance\@tempdimb by \L@novskip
12126     \@tempcnta=1
12127     \loop\ifdim\L@first>\@tempdimb
12128       \advance\@tempcnta by 1
12129       \advance\L@first by -\@tempdima
12130     \repeat
12131     \vskip\@tempcnta\baselineskip
12132   \else
12133     \vskip\L@first
12134   \fi
12135 \fi
12136 \setlength{\L@Pindent}{\wd\L@lbox}%
12137 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12138 \settowidth{\L@first}{\L@ante}%
12139 \addtolength{\L@Pindent}{\L@first}%
12140 \addtolength{\L@Pindent}{\L@Findent}%
12141 \setlength{\L@first}{\linewidth}%
12142 \addtolength{\L@first}{-\L@Pindent}%
12143 \addtolength{\L@Nindent}{\L@Pindent}%
12144 \setlength{\L@next}{\linewidth}%
12145 \addtolength{\L@next}{-\L@Nindent}%
12146 \addtolength{\L@Pindent}{\rightmargin}%
12147 \addtolength{\L@Nindent}{\rightmargin}%
12148 \setlength{\LettrineWidth}{\wd\L@lbox}%
12149 \setlength{\LettrineHeight}{\ht\L@lbox}%
12150 \setlength{\LettrineDepth}{\dp\L@lbox}%
12151 \addtocounter{L@lines}{1}%

```



```

12152 \addtocounter{L@lines}{\the\c@L@depth}%
12153 \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pin
12154 \@tempcnta=\tw@
12155 \@whilenum \@tempcnta<\c@L@lines\do{%
12156 \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\
12157 \addtolength{\L@Nindent}{\L@slope}%
12158 \addtolength{\L@next}{-\L@slope}%
12159 \advance\@tempcnta\@ne}%
12160 \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
12161 \noindent
12162 \parshape=\L@parshape\relax
12163 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12164 \hskip \the\L@Findent}}%
12165 \usebox{\L@tbox}%
12166 }

```

7.74 listings-xetex-bidi.def

```

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

```



```

12199     \fi%
12200     \vskip\abovecaptionskip
12201     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12202     \sbox\@tempboxa{%
12203     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12204     #1: #2%
12205     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12206     }%
12207     \ifdim \wd\@tempboxa >\hsize
12208     #1: #2\par
12209     \else
12210     \global \@minipagefalse
12211     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12212     \fi
12213     \vskip\belowcaptionskip}%
12214 \def\lst@makecaption{\@bidi@lst@makecaption}
12215 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12216 \bidi@AtEndPreamble{%
12217 \bidi@patchcmd{\lst@MakeCaption}{%
12218     \ifx #1%
12219         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12220             \expandafter\refstepcounter
12221         \fi {lstlisting}%
12222 }{%
12223     \ifx #1%
12224         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12225         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
12226             \expandafter\refstepcounter
12227         \fi {lstlisting}%
12228         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12229 }{}{}%
12230 \bidi@patchcmd{\lst@MakeCaption}{%
12231     \addcontentsline{lol}{lstlisting}%
12232     {\protect\numberline{\thelstlisting}\lst@@caption}%
12233 }{%
12234 \begingroup%
12235     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12236     \addcontentsline{lol}{lstlisting}%
12237     {\protect\numberline{\thelstlisting}\lst@@caption}%
12238 \endgroup%
12239 }{}{}%
12240 }
12241 \ifpackageloaded{caption}{%
12242     \AtBeginCaption{%
12243         \ifnum\bidi@lst@caption@script=\z@%
12244             \@nonlatintrue%
12245         \else%
12246             \ifnum\bidi@lst@caption@script=\@ne%
12247                 \@nonlatinfalse%
12248             \fi%

```



```

12249     \fi%
12250     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12251 }
12252 \let\bidi@lst@makecaption\caption@makecaption%
12253 \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
12254 \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}%
12255 }{%
12256 \AtBeginDocument{%
12257 \ifundefined{captionlabelfalse}{\fi}%
12258 \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\@empty}}%
12259 \ifundefined{caption@startrue}{\fi}%
12260 \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}}%
12261 }%
12262 }
12263 \AtBeginDocument{
12264 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{\fi}
12265 \lst@ifnumberbychapter
12266     \gdef\thelstlisting%
12267     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12268 \else
12269     \gdef\thelstlisting{\@arabic\c@lstlisting}
12270 \fi}

```

7.75 loadingorder-xetex-bidi.def

```

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

```



```

12296 \bidi@isloaded{hvfloat}
12297 \bidi@isloaded{mdframed}
12298 \bidi@isloaded{midfloat}
12299 \bidi@isloaded{ntheorem}
12300 \bidi@isloaded{ntheorem-hyper}
12301 \bidi@isloaded{hyperref}
12302 \bidi@isloaded{fancybox}
12303 \bidi@isloaded{fancyhdr}
12304 \bidi@isloaded{fix2col}
12305 \bidi@isloaded{draftwatermark}
12306 \bidi@isloaded{empheq}
12307 \bidi@isloaded{overpic}
12308 \bidi@isloaded{pdfpages}
12309 \bidi@isloaded{listings}
12310 \bidi@isloaded{lettrine}
12311 \bidi@isloaded{media9}
12312 \bidi@isloaded{pstricks}
12313 \bidi@isloaded{pgf}
12314 \bidi@isloaded{picinpar}
12315 \bidi@isloaded{quotchap}
12316 \bidi@isloaded{tikz}
12317 \bidi@isloaded{titlesec}
12318 \bidi@isloaded{titletoc}
12319 \bidi@isloaded{array}
12320 \bidi@isloaded{soul}
12321 \bidi@isloaded{stabular}
12322 \bidi@isloaded{subfig}
12323 \bidi@isloaded{subfigure}
12324 \bidi@isloaded{supertabular}
12325 \bidi@isloaded{xtab}
12326 \bidi@isloaded{longtable}
12327 \bidi@isloaded{arydshln}
12328 \bidi@isloaded{multicol}
12329 \bidi@isloaded{multienum}
12330 \bidi@isloaded{minitoc}
12331 \bidi@isloaded{natbib}
12332 \bidi@isloaded{newfloat}
12333 \bidi@isloaded{ragged2e}
12334 \bidi@isloaded{rotating}
12335 \bidi@isloaded{tbls}
12336 \bidi@isloaded{tabulary}
12337 \bidi@isloaded{tocbasic}
12338 \bidi@isloaded{tocstyle}
12339 \bidi@isloaded{tocbibind}
12340 \bidi@isloaded{fontspec}
12341 \bidi@isloaded{arabxetex}
12342 \bidi@isloaded{polyglossia}
12343 \bidi@isloaded{fancyvrb}
12344 \AtBeginDocument{
12345   \if@bidi@amsmathloaded@else

```



```

12346 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. P
12347 \fi%
12348 \if@bidi@amstextloaded@else
12349 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. P
12350 \fi%
12351 \if@bidi@amsthmloaded@else
12352 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. P
12353 \fi%
12354 \if@bidi@animateloaded@else
12355 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package. P
12356 \fi%
12357 \if@bidi@breqnloaded@else
12358 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Ple
12359 \fi%
12360 \if@bidi@calsloaded@else
12361 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
12362 \fi%
12363 \if@bidi@captionloaded@else
12364 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. P
12365 \fi%
12366 \if@bidi@croplloaded@else
12367 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
12368 \fi%
12369 \if@bidi@colorloaded@else
12370 \@ifpackageloaded{hyperref}{\fi%
12371 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
12372 \fi%
12373 \if@bidi@cutwinloaded@else
12374 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. P
12375 \fi%
12376 \if@bidi@cutedloaded@else
12377 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Ple
12378 \fi%
12379 \if@bidi@dblfnloaded@else
12380 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
12381 \fi%
12382 \if@bidi@xcolorloaded@else
12383 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. P
12384 \fi%
12385 \if@bidi@colortblloaded@else
12386 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
12387 \fi%
12388 \if@bidi@floatloaded@else
12389 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Ple
12390 \fi%
12391 \if@bidi@floatrowloaded@else
12392 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
12393 \fi%
12394 \if@bidi@flowframloaded@else
12395 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.

```




```

12396 \fi%
12397 \if@bidi@framedloaded@else
12398 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. P
12399 \fi%
12400 \if@bidi@ftnrightloaded@else
12401 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
12402 \fi%
12403 \if@bidi@xltxttraloaded@else
12404 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxttra after bidi package. F
12405 \fi%
12406 \if@bidi@xunicodeloaded@else
12407 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
12408 \fi%
12409 \if@bidi@wrapfigloaded@else
12410 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. F
12411 \fi%
12412 \if@bidi@graphicxloaded@else
12413 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
12414 \fi%
12415 \if@bidi@geometryloaded@else
12416 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
12417 \fi%
12418 \if@bidi@hvfloatloaded@else
12419 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. F
12420 \fi%
12421 \if@bidi@mdframedloaded@else
12422 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
12423 \fi%
12424 \if@bidi@midfloatloaded@else
12425 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
12426 \fi%
12427 \if@bidi@ntheoremloaded@else
12428 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
12429 \fi%
12430 \if@bidi@hyperrefloaded@else
12431 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
12432 \fi%
12433 \if@bidi@fancyboxloaded@else
12434 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
12435 \fi%
12436 \if@bidi@fancyhdrloaded@else
12437 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
12438 \fi%
12439 \if@bidi@draftwatermarkloaded@else
12440 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
12441 \fi%
12442 \if@bidi@empheqloaded@else
12443 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. P
12444 \fi%
12445 \if@bidi@overpicloaded@else

```



```

12446 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package. P
12447 \fi%
12448 \if@bidi@pdfpagesloaded@else
12449 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
12450 \fi%
12451 \if@bidi@lettrineloaded@else
12452 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
12453 \fi%
12454 \if@bidi@listingsloaded@else
12455 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
12456 \fi%
12457 \csname if@bidi@media9loaded@endcsname\else
12458 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package. P
12459 \fi%
12460 \if@bidi@pstricksloaded@else
12461 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
12462 \fi%
12463 \if@bidi@pgfloaded@else
12464 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
12465 \fi%
12466 \if@bidi@picinparloaded@else
12467 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
12468 \fi%
12469 \if@bidi@quotchaploaded@else
12470 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
12471 \fi%
12472 \if@bidi@tikzloaded@else
12473 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Pleas
12474 \fi%
12475 \if@bidi@titlesecloaded@else
12476 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
12477 \fi%
12478 \if@bidi@titletocloaded@else
12479 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
12480 \fi%
12481 \if@bidi@arrayloaded@else
12482 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
12483 \fi%
12484 \if@bidi@stabularloaded@else
12485 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
12486 \fi%
12487 \if@bidi@soulloaded@else
12488 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Pleas
12489 \fi%
12490 \if@bidi@subfigloaded@else
12491 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. P
12492 \fi%
12493 \if@bidi@subfigureloaded@else
12494 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
12495 \fi%

```



```

12496 \if@bidi@supertabularloaded@else
12497 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
12498 \fi%
12499 \if@bidi@xtabloaded@else
12500 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea
12501 \fi%
12502 \if@bidi@longtableloaded@else
12503 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package
12504 \fi%
12505 \if@bidi@arydshlnloaded@else
12506 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
12507 \fi%
12508 \if@bidi@multicolloaded@else
12509 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
12510 \fi%
12511 \if@bidi@multienumloaded@else
12512 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package
12513 \fi%
12514 \if@bidi@minitocloaded@else
12515 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. P
12516 \fi%
12517 \if@bidi@natbibloaded@else
12518 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. PL
12519 \fi%
12520 \if@bidi@newfloatloaded@else
12521 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
12522 \fi%
12523 \csname if@bidi@ragged2eloaded@endcsname\else
12524 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
12525 \fi%
12526 \if@bidi@rotatingloaded@else
12527 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
12528 \fi%
12529 \if@bidi@tblsloaded@else
12530 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package. Ple
12531 \fi%
12532 \if@bidi@tabularyloaded@else
12533 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package
12534 \fi%
12535 \if@bidi@tocbasicloaded@else
12536 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi package.
12537 \fi%
12538 \if@bidi@tocstyleloaded@else
12539 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
12540 \fi%
12541 \if@bidi@tocbibindloaded@else
12542 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package
12543 \fi%
12544 \if@bidi@fontspecloaded@else
12545 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.

```



```

12546 \fi%
12547 \if@bidi@arabxetexloaded@else
12548 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package
12549 \fi%
12550 \if@bidi@polyglossialoaded@else
12551 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
12552 \fi%
12553 \if@bidi@fancyvrbloaded@else
12554 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
12555 \fi%
12556 }

```

7.76 longtable-xetex-bidi.def

```

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

```



```

12593 \@height \arraystretch \@tempdima
12594 \@depth \arraystretch \dp \strutbox
12595 \@width \z@}%
12596 \let\@sharp##\let\protect\relax
12597 \begingroup
12598 \mkpream{#2}%
12599 \xdef\LT@bchunk{%
12600 \global\advance\c@LT@chunks\@ne
12601 \global\LT@rows\z@\setbox\z@\vbox\bgroup
12602 \LT@setprevdepth
12603 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12604 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
12605 \endgroup
12606 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12607 \LT@make@row
12608 \m@th\let\par\@empty
12609 \everycr{}\lineskip\z@\baselineskip\z@
12610 \LT@bchunk}
12611 \def\LT@makecaption#1#2#3{%
12612 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LTcapwidth{%
12613 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
12614 \ifdim\wd\@tempboxa>\hsize
12615 #1{#2: }#3%
12616 \else
12617 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
12618 \fi
12619 \endgraf\vskip\baselineskip}%
12620 \hss}}}}
12621 \ifpackageloaded{caption}{%
12622 \renewcommand\LT@makecaption[3]{%
12623 \caption@LT@make{%
12624 \caption@settype*\LTcaptype
12625 \ifdim\LTcapwidth=4in \else
12626 \setcaptionwidth\LTcapwidth
12627 \fi
12628 \caption@setoptions{longtable}%
12629 \caption@setoptions{@longtable}%
12630 \caption@LT@setup
12631 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
12632 \caption@startrue#1\caption@starfalse
12633 \caption@prepare@stepcounter\LTcaptype{LT}%
12634 \caption@begin\LTcaptype
12635 \caption@normalsize
12636 \vskip-\ht\strutbox
12637 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
12638 \caption@@make{#2}{#3}\endgraf
12639 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
12640 \caption@end}}}%
12641 }{}
12642 \def\LT@startpbox#1{%

```



```

12643 \bgroup
12644 \let\@footnotetext\LT@p@ftntext
12645 \let\@LTRfootnotetext\LT@p@LTRftntext
12646 \let\@RTLfootnotetext\LT@p@RTLftntext
12647 \setlength\hsize{#1}%
12648 \@arrayparboxrestore
12649 \vrule \@height \ht\@arstrutbox \@width \z@}
12650 \def\LT@p@LTRftntext#1{%
12651 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
12652 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12653 \def\LT@p@RTLftntext#1{%
12654 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
12655 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.77 mdframed-xetex-bidi.def

```

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

```



```

12690         \normalfont\mdf@frametitlefont{#1}
12691     \ifbool{mdf@ignorelastdescenders}%
12692     {%
12693         \par\strut\par
12694         \unskip\unskip\setbox0=\lastbox
12695         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12696     }{}%
12697 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
12698 \endmdf@lrbbox\relax%
12699 \mdf@ignoreevbadness%
12700 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12701 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12702 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12703 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12704 \mdfframetitleboxtotalheight=\dimexpr
12705         \ht\mdf@frametitlebox
12706         +\dp\mdf@frametitlebox%
12707         +\mdf@frametitleaboveskip@length
12708         +\mdf@frametitlebelowskip@length
12709         \relax%
12710 }
12711
12712 \renewrobustcmd*\mdf@footnoteoutput{%
12713     \ifvoid\@mpfootins\else%
12714         \nobreak%
12715         \vskip\mdf@footnotedistance@length%
12716         \normalcolor%
12717         \bidi@mpfootnoterule%
12718         \unvbox\@mpfootins%
12719     \fi%
12720 }
12721
12722
12723 \renewrobustcmd*\mdf@footnoteinput{%
12724     \def\@mpfn{\mpfootnote}%
12725     \def\thempfn{\thempfootnote}%
12726     \c@mpfootnote\z@%
12727     \let\@footnotetext\@mpfootnotetext%
12728     \let\@LTRfootnotetext\@mpLTRfootnotetext%
12729     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12730 }

```

7.78 bidi-media9.sty

```

12731 \ProvidesExplPackage{bidi-media9}{2016/05/03}{0.2}
12732 {bidi fixes for media9 package for the XeTeX engine}
12733
12734 \keys_define:nn{media9/mbtn}{
12735     draft .code:n = {},
12736     final .code:n = {},

```



```

12737 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
12738 tooltip .value_required:n = {true},
12739
12740
12741 overface .code:n = {
12742   %\hbox_set:Nn\l_mix_poster_box{#1}
12743   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12744   \mix_pdfxform:n{\l_mix_poster_box}
12745   \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
12746 },
12747 overface .value_required:n = {true},
12748
12749 downface .code:n = {
12750   %\hbox_set:Nn\l_mix_poster_box{#1}
12751   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12752   \mix_pdfxform:n{\l_mix_poster_box}
12753   \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
12754 },
12755 downface .value_required:n = {true},
12756
12757 3Dgotoview .code:n = {
12758   \tl_set:Nx\l_tmpa_tl{#1} %extract ref
12759   \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl
12760   \tl_trim_spaces:N\l_tmpa_tl
12761   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12762     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12763       \tl_set:Nx\l_tmpb_tl{#1} %extract idx
12764       \regex_replace_once:nnN{([~:~]+:~?){}}{\1}\l_tmpb_tl
12765       \tl_trim_spaces:N\l_tmpb_tl
12766       \tl_if_blank:VF\l_tmpb_tl{
12767         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
12768           \tl_set:Nx\l_mix_vidx_tl{/~\l_tmpb_tl}
12769         }{
12770           \regex_match:nVTF{^~d+$}\l_tmpb_tl{
12771             \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
12772           }{
12773             \regex_replace_once:nnN{^~(\s*){}}{\1}\l_tmpb_tl
12774             \regex_replace_once:nnN{(\s*)$}{~}\l_tmpb_tl
12775             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
12776           }
12777         }
12778       }
12779       \mix_pdfobj:nnn{}{dict}{
12780         /S/JavaScript/JS~(
12781           if (typeof (annotRM)== 'undefined') {annotRM=new~Array();}
12782           if (typeof (annotRM['\l_tmpa_tl'])== 'undefined') {
12783             annotRM['\l_tmpa_tl']=
12784             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12785           }
12786           annotRM['\l_tmpa_tl'].activated=true;

```




```

12787     )
12788     \tl_if_blank:VF\l_tmpb_tl{
12789       /Next~<<
12790       /S/GoTo3DView
12791       /TA~\tl_use:c{ann@\l_tmpa_tl}
12792       /V\l_mix_vidx_tl
12793       >>
12794     }
12795   }
12796   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12797 }
12798 }{
12799   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12800   \cs_if_exist:NF\g_mix_refundefwarned_tl{
12801     \tl_new:N\g_mix_refundefwarned_tl
12802     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12803   }
12804 }
12805 },
12806 3Dgotoview .value_required:n = {true},
12807
12808 mediacommand .code:n = {
12809   \tl_set:Nx\l_tmpa_tl{#1}
12810   \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl %extract ref
12811   \tl_trim_spaces:N\l_tmpa_tl
12812   \tl_if_exist:CTF{ann@\l_tmpa_tl}{
12813     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12814       \tl_set:Nx\l_tmpb_tl{#1}
12815       \regex_replace_once:nnN{([~:~]+\?:?)}{\1}\l_tmpb_tl
12816       \tl_trim_spaces:N\l_tmpb_tl
12817       \regex_replace_all:nnN{^{\|\\}$}{\1}\l_tmpb_tl
12818       \tl_set:Nx\l_mix_cmd_tl{
12819         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
12820       \tl_trim_spaces:N\l_mix_cmd_tl
12821       \tl_set:Nx\l_mix_arg_tl{
12822         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
12823       \tl_trim_spaces:N\l_mix_arg_tl
12824       \mix_pdfobj:nnn{}{dict}{
12825         /S/JavaScript/JS~(
12826           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
12827           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12828             annotRM['\l_tmpa_tl']=
12829             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12830           }
12831           annotRM['\l_tmpa_tl'].activated=true;
12832         )
12833       \tl_if_blank:VF\l_mix_cmd_tl{
12834         /Next~<<
12835         /S/RichMediaExecute
12836         /TA~\tl_use:c{ann@\l_tmpa_tl}

```



```

12837         /TI~\tl_use:c{main@\l_tmpa_tl}
12838         /CMD~<<
12839         /C~(\l_mix_cmd_tl)
12840         \tl_if_blank:VF\l_mix_arg_tl{
12841         /A~[\l_mix_arg_tl]
12842         }
12843         >>
12844         >>
12845     }
12846 }
12847 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12848 }
12849 }{
12850   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12851   \cs_if_exist:NF\g_mix_refundefwarned_tl{
12852     \tl_new:N\g_mix_refundefwarned_tl
12853     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12854   }
12855 }
12856 },
12857 mediacommand .value_required:n = {true},
12858
12859 jsaction .code:n = {
12860   \tl_set:Nx\l_tmpa_tl{#1}
12861   \regex_match:nVTF{^[^{:]+:.*$}\l_tmpa_tl{
12862     \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl %extract ref
12863     \tl_trim_spaces:N\l_tmpa_tl
12864   }{\tl_clear:N\l_tmpa_tl}
12865   \tl_set:Nx\l_tmpb_tl{#1}
12866   \tl_if_blank:VF\l_tmpa_tl{
12867     \tl_if_exist:cF{ann@\l_tmpa_tl}{
12868       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12869       \cs_if_exist:NF\g_mix_refundefwarned_tl{
12870         \tl_new:N\g_mix_refundefwarned_tl
12871         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12872       }
12873     }
12874     \regex_replace_once:nnN{[~:]+\:}{\}\l_tmpb_tl
12875   }
12876   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
12877   \tl_trim_spaces:N\l_tmpb_tl
12878   \tl_if_blank:VF\l_tmpb_tl{
12879     \mix_pdfobj:nnn{}{dict}{
12880       /S/JavaScript/JS~(
12881         try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}}
12882   \bool_if:nT{
12883     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12884     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
12885   }{
12886     \mix_pdfobj:nnn{}{dict}{

```



```

12887         /S/JavaScript/JS~(
12888             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12889             if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12890                 annotRM['\l_tmpa_tl']=
12891                 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12892             }
12893             annotRM['\l_tmpa_tl'].activated=true;
12894         )
12895         \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
12896     }
12897 }
12898 \bool_if:nT{
12899     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12900     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}||
12901     !\tl_if_blank_p:V\l_tmpb_tl
12902 }{
12903     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12904 }
12905 },
12906 jsaction .value_required:n = {true},
12907
12908 unknown .code:n = {
12909     \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
12910 }
12911 }
12912
12913
12914 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
12915     \mix_uriend:
12916     \group_begin:
12917     \beginL
12918     \leavevmode
12919     %empty stream as appearance dummy
12920     \cs_if_exist:NF\g_mix_appearance_tl{
12921         \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
12922         \mix_pdfxform:n{\l_mix_poster_box}
12923         \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
12924     }
12925     \mix_reset:
12926     \mix_urbegin: %treat URI characters correctly
12927     \keys_set:nn{media9/user}{#1}
12928     \mix_uriend:
12929     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
12930     \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
12931     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
12932     \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
12933     \tl_gtrim_spaces:N\g_mix_flashvars_tl
12934
12935     \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
12936

```



```

12937 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
12938 %\hbox_set:Nn\l_mix_poster_box{#2}
12939 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
12940 \mix_scale:n{\l_mix_poster_box}
12941 \bool_if:nT{
12942   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
12943   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
12944 }{
12945   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
12946 }
12947 \bool_if:NTF\g_mix_usrdraft_bool{
12948   \tl_if_empty:NF\g_mix_usrlabel_tl{
12949     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
12950   }
12951   \tl_if_blank:oTF{#2}{
12952     \mix_uribegin: %treat URI characters correctly
12953     \mix_draftbox:n{\tl_to_str:n{#3}}
12954     \mix_uriend:
12955   }{
12956     \hbox_to_wd:nn{\g_mix_wd_tl}{
12957       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
12958       \box_use:N\l_mix_poster_box\hss
12959     }
12960   }
12961 }{
12962   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
12963     %attach script that switches off play button overlay upon activation
12964     \mix_pdfobj:nnn{}{stream}{
12965       {}{
12966         var~ocgs=host.getOCGs(host.pageNum);
12967         for(var~i=0;i<ocgs.length;i++){
12968           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
12969             ocgs[i].state=false;
12970           }
12971         }
12972       }
12973     }
12974     \mix_pdfobj:nnn{}{dict}{
12975       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
12976     }
12977     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
12978     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
12979     %enforce plain playbutton overlay for XeTeX
12980     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
12981   }
12982   %embed main asset
12983   \mix_uribegin:
12984   \mix_embedasset:n{#3}
12985   \bool_if:nTF{
12986     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}

```



```

12987     }{
12988         \bool_gset_true:N\g_mix_iiid_bool
12989         \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
12990     }{
12991         \str_case_x:nnF{\l_mix_base_tl}{
12992             {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12993             {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12994             {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12995             {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12996             {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12997             }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
12998     }
12999     \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13000     \mix_uriend:
13001     %secondary assets (added by addresource)
13002     \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13003     \seq_map_inline:Nn\g_mix_script_seq{
13004         \mix_embedasset:n{##1}
13005         \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13006     }
13007     %attach 3D calculation script
13008     \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13009         \mix_embedasset:n{3Dmenu.js}
13010         \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13011     }
13012     %create 3D views from file (option 3Dviews)
13013     \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13014         \tl_set:Nn\l_mix_level_tl{\c_minus_one}
13015         \int_zero:N\l_mix_viewcnt_int
13016         \int_zero:N\l_mix_lineno_int
13017
13018         \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13019         \ior_map_inline:Nn\l_mix_vfile_stream{
13020             \int_incr:N\l_mix_lineno_int
13021             \keys_set:nn{media9/views}{##1} %process input line
13022         }
13023         \ior_close:N\l_mix_vfile_stream
13024     }
13025     \bool_if:nT{ %create default 3D view if required
13026         \g_mix_iiid_bool &&
13027         (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13028     }{
13029         \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13030         \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13031         \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13032         \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13033         \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13034         \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13035         \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13036     }

```



```

13037 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13038 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13039 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13040 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13041
13042 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13043 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13044 \tl_clear:N\l_mix_naarray_tl
13045
13046 \bool_if:NF\l_mix_ciiw_bool{
13047 \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13048 \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13049 }
13050
13051 \tl_clear:N\l_mix_naarray_tl
13052 \tl_clear:N\l_mix_saarray_tl
13053 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13054
13055 \mix_view:n{Default}
13056 \tl_set:Nx\l_mix_dfltvview_tl{\mix_pdflastobj:}
13057
13058 }
13059 \mix_pdfobj:nnn{}{dict}{
13060 /Type/RichMediaInstance
13061 /Subtype/\g_mix_mainassetsub_tl
13062 /Asset~\g_mix_mainasset_tl
13063 \bool_if:NF\g_mix_iiid_bool{
13064 /Params-<<
13065 /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13066 /Foreground
13067 }{
13068 /Background
13069 }
13070 \tl_if_blank:VF\g_mix_flashvars_tl{
13071 /FlashVars~(\g_mix_flashvars_tl)
13072 }
13073 >>
13074 }
13075 }
13076 \tl_if_empty:NF\g_mix_usrlabel_tl{
13077 \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13078 }
13079 \mix_pdfobj:nnn{}{dict}{
13080 /Type/RichMediaConfiguration
13081 /Subtype/\g_mix_mainassetsub_tl
13082 /Instances~[\mix_pdflastobj:]
13083 }
13084 \mix_pdfobj:nnn{}{dict}{
13085 /Type/RichMediaContent
13086 /Assets~<</Names~[\g_mix_assets_tl]>>

```



```

13087     /Configurations~[\mix_pdflastobj:]
13088     \bool_if:nT{
13089         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13090     }{
13091         /Views~[\l_mix_iiidviewarray_tl]
13092     }
13093 }
13094 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13095 \bool_if:nT{
13096     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13097 }{
13098     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13099 }
13100 %determine floating window size
13101 \bool_if:NT\g_mix_opt_windowed_bool{
13102     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13103 }
13104 \mix_pdfobj:nnn{}{dict}{
13105     /Activation~<<
13106     /Condition\g_mix_act_tl
13107     \bool_if:nT{
13108         \g_mix_iiid_bool &&
13109         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13110     }{%seems to work only with 3D content
13111         /Animation~<<
13112         /Subtype\g_mix_playtpe_tl
13113         /PlayCount~\g_mix_playcnt_tl
13114         /Speed~\g_mix_playspd_tl
13115         >>
13116     }
13117     \bool_if:nT{
13118         \g_mix_iiid_bool && (
13119         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13120         )
13121     }{/View~\l_mix_dfltview_tl}
13122     /Presentation~<<
13123     /Transparent~\g_mix_transp_tl
13124     \bool_if:NTF\g_mix_opt_windowed_bool{
13125         /Style/Windowed
13126         /Window~<<
13127         /Width~<</Default~\tl_mix_fltd>>
13128         /Height~<</Default~\tl_mix_fltht>>
13129         /Position~<<
13130         /HOffset~0/VOffset~0
13131         \str_case_x:nnF{\g_mix_winpos_tl}{
13132             {tl}{/VAlign/Near/HAlign/Near}
13133             {cl}{/VAlign/Center/HAlign/Near}
13134             {bl}{/VAlign/Far/HAlign/Near}
13135             {bc}{/VAlign/Far/HAlign/Center}
13136             {br}{/VAlign/Far/HAlign/Far}

```



```

13137         {cr}{/VAlign/Center/HAlign/Far}
13138         {tr}{/VAlign/Near/HAlign/Far}
13139         {tc}{/VAlign/Near/HAlign/Center}
13140     }{/HAlign/Center/VAlign/Center}
13141     >>
13142     >>
13143     ){
13144         /Style/Embedded
13145     }
13146     \bool_if:NTF\g_mix_iiid_bool{
13147         /Toolbar~\g_mix_tools_tl
13148         /NavigationPane~\g_mix_nav_tl
13149     ){
13150         /PassContextClick~\g_mix_contextclick_tl
13151     }
13152     >>
13153     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13154     >>
13155     /Deactivation~<</Condition\g_mix_deact_tl>>
13156 }
13157 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13158 \tl_if_empty:NF\g_mix_usrlabel_tl{
13159     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13160 }
13161 % #1:width, #2:height, #3:depth, #4:content (key-value)
13162 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13163     /Subtype/RichMedia
13164     /F~4\cs_if_exist_use:N\ocgxii@insert@OC
13165     /BS~<</W~0/S/S>>
13166     /Contents~(media-embedded-by-media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13167     /NM~(\g_mix_label_tl)
13168     /AP~<</N~\g_mix_appearance_tl>>
13169     /RichMediaSettings~\l_mix_settings_tl
13170     /RichMediaContent~\l_mix_content_tl
13171 }
13172 \tl_if_empty:NF\g_mix_usrlabel_tl{
13173     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13174     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13175         \noexpand\the\g@mix@page@int}
13176 }
13177 \mix_pdfobj:nnn{}{dict}{
13178     /S/JavaScript/JS~(
13179     try{
13180         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13181         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13182             annotRM['\g_mix_label_tl']=
13183             this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
13184         }
13185         \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
13186             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){

```




```

13187         var~ocgs=this.getOCGs(this.pageNum);
13188         for(var~i=0;i<ocgs.length;i++){
13189             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13190                 var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13191             }
13192         }
13193     }
13194     if(
13195         !annotRM['\g_mix_label_tl'].activated&&(
13196             app.viewerType=='Reader' ||
13197             app.viewerType=='Exchange' ||
13198             app.viewerType=='Exchange-Pro'
13199         )&&app.viewerVersion>=9
13200     ){
13201         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13202     }
13203 }
13204 }catch(e){}
13205 this.dirty=false;
13206 )
13207 }
13208 \mix_pdfannot:nnnn{0pt}{0pt}{0pt}{
13209     /Subtype/Widget
13210     /FT/Btn/Ff~65537/F~2
13211     /BS~<</W~0>>
13212     /T~(fd@\g_mix_label_tl)
13213     /AA~<</P0~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
13214 }
13215 \mix_appendtofields:n{\mix_pdflastann:}
13216 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
13217 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
13218     \hbox_to_wd:nn{\g_mix_wd_tl}{
13219         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
13220     }
13221 }{%insert play button overlay
13222     \mix_insert_btnocg: %create OCG
13223     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
13224     %\hbox_set:Nn\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13225     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13226     \box_move_down:nn{\g_mix_dp_tl}{
13227         \hbox_to_wd:nn{\g_mix_wd_tl}{
13228             \vbox_to_ht:nn{\g_mix_tt_tl}{
13229                 \vss
13230                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
13231                 \box_use:N\l_mix_pbtn_box
13232                 \ocgbase_oc_emc:
13233             }
13234         }
13235     }
13236 }

```



```

13237 \int_gincr:N\g_mix_rmcnt_int
13238 }
13239 \endL
13240 \group_end:
13241 }
13242 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
13243 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
13244
13245
13246
13247 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
13248 \mix_uriend:
13249 \group_begin:
13250 \beginL
13251 \leavevmode
13252 %reset various variables
13253 \tl_gclear:N\g_mix_overbtn_tl
13254 \tl_gclear:N\g_mix_downbtn_tl
13255 \tl_gclear:N\g_mix_btnactions_tl
13256 \tl_gclear:N\g_mix_tooltip_tl
13257 %process options
13258 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13259 \mix_uribegin: %treat URI characters correctly
13260 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13261 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13262 \mix_uriend:
13263 %normal button appearance
13264 %\hbox_set:Nn\l_mix_poster_box{#2}
13265 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13266 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13267 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
13268 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13269 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13270 \mix_pdfxform:n{\l_mix_poster_box}
13271 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13272 \bool_if:nT{ %dummy Widget for ocgx2, AR seems to need it
13273 % \cs_if_exist_p:N\ocgxii@insert@OC && !\tl_if_blank_p:V\ocgxii@insert@OC
13274 !\cs_if_exist:NTF\ocgxii@insert@OC{
13275 \tl_if_blank_p:V\ocgxii@insert@OC
13276 }{
13277 \c_true_bool
13278 }
13279 }{\mix_pdfannot:nnnn{\width}{\height}{\depth}{/Subtype/Widget/F~2}}
13280 %insert widget annotation
13281 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13282 /Subtype/Widget
13283 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
13284 \tl_if_empty:NF\g_mix_tooltip_tl{TU~(\g_mix_tooltip_tl)}
13285 /FT/Btn/Ff~65536\cs_if_exist_use:N\ocgxii@insert@OC
13286 \tl_if_empty:NTF\g_mix_downbtn_tl{H/I}{H/P}

```



```

13287 /AP~<<
13288 /N~\g_mix_normalbtn_tl
13289 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13290 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13291 >>
13292 /MK~<<
13293 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13294 /I~\g_mix_normalbtn_tl
13295 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13296 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13297 >>
13298 /A~<<
13299 /S/JavaScript/JS~(app.focusRect=false;)
13300 %sequence of actions to perform
13301 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13302 >>
13303 }
13304 \mix_appendtofields:n{\mix_pdflastann:}
13305 \hbox_to_wd:nn{\width}{
13306 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
13307 }
13308 \int_gincr:N\g_mix_mbtncnt_int
13309 }
13310 \endL
13311 \group_end:
13312 }
13313 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13314 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
13315
13316
13317

```

7.79 memoir-xetex-bidi.def

```

13318 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
13319 \renewcommand{\keepthetitle}{\%
13320 \@bsmtitleempty
13321 \global\let\thanks\relax
13322 \global\let\LTRthanks\relax
13323 \global\let\RTLthanks\relax
13324 \global\let\and\relax
13325 \global\let\andnext\relax
13326 \global\let\@thanks\@empty
13327 \global\let\@title\@empty
13328 \global\let\@author\@empty
13329 \global\let\@date\@empty}
13330 \renewcommand{\maketitle}{\par
13331 \begingroup
13332 \@bsmarkseries
13333 \def\@makefnmark{\@textsuperscript{\%

```



```

13334      \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
13335      \long\def\@makefntext##1{\makethanksmark ##1}
13336      \if@twocolumn
13337          \ifnum \col@number=\@ne
13338              \@maketitle
13339          \else
13340              \twocolumn[\@maketitle]%
13341          \fi
13342      \else
13343          \ifdim\pagetotal>\z@
13344              \newpage
13345          \fi
13346          \global\@topnum\z@
13347          \@maketitle
13348      \fi
13349      \thispagestyle{title}\@thanks
13350  \endgroup
13351  \@bscontmark % \setcounter{footnote}{0}%
13352  }
13353  \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
13354  \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
13355  \renewcommand*{\memRTLvleftskip}{\if@RTL\vrighskip\else\vleftskip\fi}
13356  \renewcommand*{\memRTLvrighskip}{\if@RTL\vleftskip\else\vrighskip\fi}
13357  \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
13358  \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
13359  \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
13360  \renewcommand*{\thesubsection}{%
13361      \thesection\@SepMark\@arabic\c@subsection}
13362  \renewcommand*{\thesubsubsection}{%
13363      \thesubsection\@SepMark\@arabic\c@subsubsection}
13364  \renewcommand*{\theparagraph}{%
13365      \thesubsubsection\@SepMark\@arabic\c@paragraph}
13366  \renewcommand*{\thesubparagraph}{%
13367      \theparagraph\@SepMark\@arabic\c@subparagraph}
13368  \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
13369  \renewcommand{\theequation}{%
13370      \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13371  \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
13372  \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
13373  \ifartopt
13374      \chapterstyle{article}
13375      \counterwithout{figure}{chapter}
13376      \counterwithout{table}{chapter}
13377      \counterwithout{footnote}{chapter}
13378      \counterwithout{equation}{chapter}
13379      \renewcommand{\chaptername}{%
13380          \renewcommand{\maketitlehookb}{%
13381              \vskip -1.5\topsep\vskip -1.5\partopsep}
13382          \renewcommand{\maketitlehookc}{%
13383              \vskip -1.5\topsep\vskip -1.5\partopsep}

```



```

13384 \fi
13385 \long\def\@makecaption#1#2{\let\@memtempa\relax
13386 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
13387 \else \def\@memtempa{\vbox to\topskip{}}\fi
13388 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
13389 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
13390 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
13391 \let\footnote\@contfnote
13392 \let\footnotemark\@contfmark
13393 \ifdim\wd\@tempboxa<\linewidth \centering \fi
13394 \if@contcw
13395 \centering
13396 \parbox{\@contcwidth}{%
13397 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
13398 \fi
13399 \ifdim\wd\@tempboxa<\linewidth
13400 \@contpre
13401 {\@contnfont #1\@contdelim}\@memtempa
13402 {\@contcshortstyle \@conttfont #2\@contfinal\par}
13403 \else
13404 \if@conthang
13405 \sbox\@tempboxa{\@contnfont #1\@contdelim}
13406 \@contpre%
13407 {\@contcstyle\hangindent=\wd\@tempboxa
13408 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
13409 \else
13410 \if@contindent
13411 \@contpre%
13412 {\@contnfont #1\@contdelim}\@memtempa
13413 {\@contcstyle\hangindent=\@contindw
13414 \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
13415 \else
13416 \@contpre%
13417 {\@contnfont #1\@contdelim}\@memtempa
13418 {\@contcstyle \@conttfont #2\@contfinal\par}
13419 \fi
13420 \fi
13421 \fi
13422 \@contpost
13423 \if@contcw
13424 \par
13425 } % end of the \parbox
13426 \fi
13427 \vskip\belowcaptionskip}
13428 \ifpackageloaded{caption}{%
13429 \AtBeginPackage{caption}{
13430 \ClassWarningNoLine{memoir}{%
13431 You are using the caption package with the memoir \MessageBreak
13432 class. This may cause unexpected or inconsistent \MessageBreak
13433 results if you use any of memoir's captioning facilities}

```



```

13434
13435 \long\def\@makecaption##1##2{%
13436   \vskip\abovcaptionskip
13437   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13438   \ifdim \wd\@tempboxa >\hsize
13439     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13440   \else
13441     \global \@minipagefalse
13442     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13443   \fi
13444   \vskip\belowcaptionskip}
13445
13446 \def\caption{%
13447   \ifx\@captype\@undefined
13448     \latex@error{\noexpand\caption outside float}\@ehd
13449     \expandafter\@gobble
13450   \else
13451     \refstepcounter\@captype
13452     \expandafter\@firstofone
13453   \fi
13454   {\@dblarg{\@caption\@captype}}%
13455 }
13456
13457 \long\def\@caption##1[##2]##3{%
13458   \par
13459   \addcontentsline{\csname ext@##1\endcsname}{##1}%
13460     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
13461   \begingroup
13462     \@parboxrestore
13463     \if@minipage
13464       \@setminipage
13465     \fi
13466     \normalsize
13467     \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
13468   \endgroup}
13469 }}{}
13470 \renewenvironment{thebibliography}[1]{%
13471   \bibsection
13472   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13473   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

7.8o midfloat-xetex-bidi.def

```

13474 \ProvidesFile{midfloat-xetex-bidi.def}[2016/05/10 v0.3 bidi adaptations for midfloat package for
13475 \def\RTL@outputdblcol{%
13476   \if@firstcolumn
13477     \global \@firstcolumnfalse
13478     \global\setbox\@leftcolumn\copy\@outputbox
13479     \splitmaxdepth\maxdimen
13480     \vbadness\maxdimen

```



```

13481 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13482 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13483 \toks@\expandafter{\topmark}%
13484 \xdef\@firstcoltopmark{\the\toks@}%
13485 \toks@\expandafter{\splitfirstmark}%
13486 \xdef\@firstcolfirstmark{\the\toks@}%
13487 \ifx\@firstcolfirstmark\@empty
13488 \global\let\@setmarks\relax
13489 \else
13490 \gdef\@setmarks{%
13491 \let\firstmark\@firstcolfirstmark
13492 \let\topmark\@firstcoltopmark}%
13493 \fi
13494 \global\c@colht\@colht\global\c@advvipersep\z@
13495 \ifnum\jua@sk>0
13496 \remove@strip\jua@sar
13497 \global\@colht\the\jua@pr
13498 \ifdim\right@cor>\z@
13499 \global\advance\@colht by\right@cor
13500 \fi
13501 \global\advance\@colht by\cor@height
13502 \global\cor@height=0pt
13503 \fi
13504 \global \setbox\@rightcolumn \vbox{%
13505 \else
13506 \ifdim\c@colht>\@colht
13507 \@tempdima\@colht
13508 \ifdim\@colht>\z@
13509 \global\setbox\@rightcolumn \vbox{%
13510 \unvbox\@rightcolumn
13511 \vbox to\@tempdima{%
13512 \vskip\c@advvipersep\unvbox\@outputbox}%
13513 \vskip\stripsep
13514 \vrule height\the\jua@ht width 0pt depth 0pt
13515 \vskip\stripsep
13516 }%
13517 \global\c@advvipersep\m@advvipersep
13518 \else
13519 \global\setbox\@rightcolumn \vbox{%
13520 \unvbox\@rightcolumn
13521 \vrule height\the\jua@ht width 0pt depth 0pt
13522 \vskip\stripsep
13523 }%
13524 \fi
13525 \ifnum\jua@sk>0
13526 \remove@strip\jua@sar
13527 \global\@colht\the\jua@pr
13528 \global\advance\@colht by -\ht\@rightcolumn
13529 \global\advance\@colht by\cor@height
13530 \global\cor@height=0pt

```



```

13531         \else
13532             \global\advance\c@colht by-\ht\@rightcolumn
13533             \global\@colht\c@colht
13534         \fi
13535     \else
13536     \global\@firstcolumntrue
13537     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13538         \unvbox\@rightcolumn
13539         \vskip\c@addvipersep
13540         \unvbox\@outputbox
13541     }%
13542     \setbox\@outputbox \vbox {%
13543         \hb@xt@\textwidth {%
13544             \hskip \columnwidth
13545             \hfil
13546             \vrule \@width\columnseprule
13547             \hfil
13548             \hb@xt@\columnwidth {%
13549                 \box\@leftcolumn \hss}%
13550             \hskip-\textwidth
13551             \hb@xt@\columnwidth {%
13552                 \box\@outputbox \hss}%
13553             \hskip\columnwidth
13554             \hskip\columnsep}%
13555         }%
13556     \@combinedblfloats
13557     \@setmarks
13558     \@outputpage
13559     \begingroup
13560     \@dblfloatplacement
13561     \@startdblcolumn
13562     \@whiles\if@fcolmade \fi
13563     {\@outputpage
13564     \@startdblcolumn}%
13565     \endgroup
13566     \global\jua@sk=0\global\jua@sar={}%
13567     \global\cor@height\z@\global\c@addvipersep\z@
13568     \fi
13569 \fi
13570 }
13571
13572
13573 \def\LTR@outputdblcol{%
13574     \if@firstcolumn
13575     \global \@firstcolumnfalse
13576     \global\setbox\@leftcolumn\copy\@outputbox
13577     \splitmaxdepth\maxdimen
13578     \vbadness\maxdimen
13579     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13580     \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```




```

13581 \toks@{\expandafter{\topmark}}%
13582 \xdef\@firstcoltopmark{\the\toks@}%
13583 \toks@{\expandafter{\splitfirstmark}}%
13584 \xdef\@firstcolfirstmark{\the\toks@}%
13585 \ifx\@firstcolfirstmark\@empty
13586   \global\let\@setmarks\relax
13587 \else
13588   \gdef\@setmarks{%
13589     \let\firstmark\@firstcolfirstmark
13590     \let\topmark\@firstcoltopmark}%
13591 \fi
13592 \global\c@colht\@colht\global\c@advipersep\z@
13593 \ifnum\jua@sk>0
13594   \remove@strip\jua@sar
13595   \global\@colht\the\jua@pr
13596   \ifdim\right@cor>\z@
13597     \global\advance\@colht by\right@cor
13598   \fi
13599   \global\advance\@colht by\cor@height
13600   \global\cor@height=0pt
13601 \fi
13602 \global \setbox\@rightcolumn \vbox{%
13603 \else
13604   \ifdim\c@colht>\@colht
13605     \@tempdima\@colht
13606     \ifdim\@colht>\z@
13607       \global\setbox\@rightcolumn \vbox{%
13608         \unvbox\@rightcolumn
13609         \vbox to\@tempdima{%
13610           \vskip\c@advipersep\unvbox\@outputbox}%
13611         \vskip\stripsep
13612         \vrule height\the\jua@ht width 0pt depth 0pt
13613         \vskip\stripsep
13614       }%
13615       \global\c@advipersep\m@advipersep
13616     \else
13617       \global\setbox\@rightcolumn \vbox{%
13618         \unvbox\@rightcolumn
13619         \vrule height\the\jua@ht width 0pt depth 0pt
13620         \vskip\stripsep
13621       }%
13622   \fi
13623   \ifnum\jua@sk>0
13624     \remove@strip\jua@sar
13625     \global\@colht\the\jua@pr
13626     \global\advance\@colht by -\ht\@rightcolumn
13627     \global\advance\@colht by\cor@height
13628     \global\cor@height=0pt
13629   \else
13630     \global\advance\c@colht by-\ht\@rightcolumn

```



```

13631          \global\@colht\c@colht
13632      \fi
13633  \else
13634      \global\@firstcolumntrue
13635      \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13636          \unvbox\@rightcolumn
13637          \vskip\c@addvipersep
13638          \unvbox\@outputbox
13639      }%
13640      \setbox\@outputbox \vbox {%
13641          \hb@xt@\textwidth {%
13642              \hb@xt@\columnwidth {%
13643                  \box\@leftcolumn \hss}%
13644              \hfil
13645              \vrule \@width\columnseprule
13646              \hfil
13647              \hb@xt@\columnwidth {%
13648                  \box\@outputbox \hss}%
13649              }%
13650          }%
13651      \@combinedblfloats
13652      \@setmarks
13653      \@outputpage
13654      \begingroup
13655          \@dblfloatplacement
13656          \@startdblcolumn
13657          \@whilesw\if@fcolmade \fi
13658              {\@outputpage
13659                  \@startdblcolumn}%
13660      \endgroup
13661      \global\jua@sk=0\global\jua@sar={}%
13662      \global\cor@height\z@\global\c@addvipersep\z@
13663      \fi
13664  \fi
13665 }
13666
13667
13668 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
13669 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\v
13670     \hsize\textwidth
13671     \@parboxrestore
13672     \col@number \@ne
13673     \vrule height\topskip width0pt depth0pt
13674 }
13675
13676 \def\endstrip{%
13677     \egroup\egroup
13678     \if@firstcolumn
13679         \ifdim\pagetotal>\z@
13680             \vskip\stripsep

```



```

13681         \global\ht@strip\pagegoal
13682         \global\advance\ht@strip by-\pagetotal
13683         \global\advance\ht@strip by-\stripsep
13684         \global\advance\ht@strip by-\ht\@viper
13685         \global\advance\ht@strip by-\stripsep
13686         \global\jua@ht=\ht\@viper
13687     \else
13688         \global\ht@strip\z@
13689     \fi
13690     \ifdim\ht@strip>\z@
13691         \unvbox\@viper
13692         \vskip\stripsep
13693     \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
13694     \global\advance\jua@sk by1
13695     \else
13696         \@latex@error{Strip needs more place!}\@ehc
13697         \if@vihproof
13698             \framebox[\columnwidth]{??? Strip ???}%
13699         \fi
13700     \fi
13701 \else
13702     \@latex@error{Strip is used only on left column!}\@ehc
13703     \if@vihproof
13704         \framebox[\columnwidth]{??? Strip ???}%
13705     \fi
13706 \fi
13707 }

```

7.81 minitoc-xetex-bidi.def

```

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

```



```

13728 \@tempdima #3\relax
13729 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
13730 {\coffefont #4}\nobreak \nobreak\null
13731 \par}%
13732 \fi}
13733 \def\@Undottedtoclinep#1#2#3#4#5{%
13734 \ifnum #1>\c@tocdepth\relax \else
13735 \vskip \z@ \@plus.2\p@
13736 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \
13737 \parindent #2\relax\@afterindenttrue
13738 \interlinepenalty\@M
13739 \leavevmode
13740 \@tempdima #3\relax
13741 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
13742 {\#4}\nobreak \hfill \nobreak\null
13743 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
13744 \par}%
13745 \fi}

```

7.82 multicol-xetex-bidi.def

```

13746 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package for
13747 \def\page@sofar{%
13748 \process@cols\mult@rightbox
13749 {\ifvoid\count@
13750 \setbox\count@\hbox to\hsize{%
13751 \else
13752 \wd\count@\hsize
13753 \fi}%
13754 \count@\col@number \advance\count@\m@ne
13755 \mult@info\z@
13756 {Column spec: \the\full@width\space = indent
13757 + columns + sep =\MessageBreak
13758 \the\multicol@leftmargin\space
13759 + \the\col@number\space
13760 x \the\hsize\space
13761 + \the\count@\space
13762 x \the\columnsep
13763 }%
13764 \ifvmode\else\errmessage{Multicol Error}\fi
13765 \nointerlineskip
13766 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
13767 \moveright\multicol@leftmargin
13768 \hbox to\full@width{%
13769 \bidi@multicol@align@columns
13770 \rlap{\phantom p}%
13771 }%
13772 \prevdepth\z@
13773 \kern-\dimen\tw@
13774 \ifdim\dimen\tw@ > \mc@gridwarn

```



```

13775 \PackageWarning{multicol}%
13776 {Very deep columns!\MessageBreak
13777 Grid alignment might be broken}%
13778 \fi
13779 }
13780 \def\LTR@column@boxes{%
13781 \process@cols\mult@gfirstbox{%
13782 \ifdim\dp\count@>\dimen\tw@
13783 \global\dimen\tw@\dp\count@ \fi
13784 \mc@col@status@write
13785 \box\count@
13786 \hss{\columnseprulecolor\vrule
13787 \@width\columnseprule}\hss}%
13788 \ifdim\dp\mult@rightbox>\dimen\tw@
13789 \global\dimen\tw@\dp\mult@rightbox \fi
13790 \mc@lastcol@status@write
13791 \box\mult@rightbox
13792 }
13793
13794 \def\RTL@column@boxes{%
13795 \ifnum\col@number<\tw@
13796 \LTR@column@boxes
13797 \else
13798 \process@cols\mult@gfirstbox{%
13799 \hskip\hsize
13800 \hss{\columnseprulecolor\vrule
13801 \@width\columnseprule}\hss
13802 }%
13803 \hskip\hsize
13804 \process@cols\mult@gfirstbox{%
13805 \ifdim\dp\count@>\dimen\tw@
13806 \global\dimen\tw@\dp\count@ \fi
13807 \hskip-\hsize
13808 \mc@col@status@write
13809 \box\count@
13810 \hskip-\hsize
13811 \hskip-\columnsep
13812 }%
13813 \ifdim\dp\mult@rightbox>\dimen\tw@
13814 \global\dimen\tw@\dp\mult@rightbox \fi
13815 \hskip-\hsize
13816 \mc@lastcol@status@write
13817 \box\mult@rightbox
13818 \hskip-\hsize
13819 \hskip\full@width
13820 \fi
13821 }
13822 \newcommand\RTLmulticolcolumns
13823 {\let\bidimulticol@align@columns
13824 \RTL@column@boxes}

```



```

13825 \newcommand\LTRmulticolcolumns
13826   {\let\bidicol@multicol@align@columns
13827     \LTR@column@boxes}
13828 \newcommand\bidicol@multicol@align@columns
13829   {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
13830 \def\multicols#1{\col@number#1\relax
13831   \ifnum\col@number<\tw@
13832     \PackageWarning{multicol}%
13833       {Using `\'number\col@number'
13834         columns doesn't seem a good idea.^^J
13835         I therefore use two columns instead}%
13836     \col@number\tw@ \fi
13837   \ifnum\col@number>10
13838     \PackageError{multicol}%
13839       {Too many columns}%
13840     {Current implementation doesn't
13841       support more than 10 columns.%
13842     \MessageBreak
13843     I therefore use 10 columns instead}%
13844     \col@number10 \fi
13845   \ifx\@footnotetext\mult@footnotetext\else
13846     \let\orig@footnotetext\@footnotetext
13847     \let\@footnotetext\mult@footnotetext
13848   \fi
13849   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
13850     \let\orig@LTRfootnotetext\@LTRfootnotetext
13851     \let\@LTRfootnotetext\mult@LTRfootnotetext
13852   \fi
13853   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
13854     \let\orig@RTLfootnotetext\@RTLfootnotetext
13855     \let\@RTLfootnotetext\mult@RTLfootnotetext
13856   \fi
13857   \@ifnextchar[\mult@cols{\mult@cols[]}]
13858 \long\def\mult@footnotetext#1{\begingroup
13859   \hsize\textwidth
13860   \columnwidth\textwidth
13861   \orig@footnotetext{#1}\endgroup}
13862 \long\def\mult@LTRfootnotetext#1{\begingroup
13863   \hsize\textwidth
13864   \columnwidth\textwidth
13865   \orig@LTRfootnotetext{#1}\endgroup}
13866 \long\def\mult@RTLfootnotetext#1{\begingroup
13867   \hsize\textwidth
13868   \columnwidth\textwidth
13869   \orig@RTLfootnotetext{#1}\endgroup}
13870 \def\right@footnoterule{%
13871   \kern-3\p@
13872   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
13873   \kern2.6\p@}
13874 \def\textwidth@footnoterule{\kern-3\p@

```



```
13875 \hrule \@width \textwidth \kern 2.6\p@}
```

7.83 multienum-xetex-bidi.def

```
13876 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package f
13877 \renewcommand{\itemx}[1]{\parbox[t]{
13878 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13879 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
13880 \renewcommand{\itemxx}[2]{\parbox[t]{
13881 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13882 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{
13883 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13884 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
13885 \renewcommand{\itemxxx}[3]{\parbox[t]{
13886 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13887 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{
13888 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13889 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{
13890 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13891 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
13892 \renewcommand{\itemxxxx}[4]{\parbox[t]{
13893 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13894 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{
13895 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13896 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13897 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13898 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
13899 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13900 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
13901 \renewcommand{\itemxxxxx}[5]{\parbox[t]{
13902 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13903 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
13904 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13905 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
13906 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13907 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
13908 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13909 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
13910 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13911 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
13912 \renewcommand{\itemxox}[2]{\parbox[t]{
13913 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13914 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13915 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13916 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
13917 \renewcommand{\itemxox}[2]{\parbox[t]{
13918 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13919 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
13920 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13921 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
```



```

13922 \renewcommand{\itemxox}[3]{\parbox[t]{%
13923 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13924 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13925 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13926 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13927 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13928 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13929 \renewcommand{\itemxxox}[3]{\parbox[t]{%
13930 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13931 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13932 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13933 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
13934 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13935 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13936 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
13937 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13938 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13939 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13940 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13941 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13942 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

7.84 natbib-xetex-bidi.def

```

13943 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
13944 \renewenvironment{thebibliography}[1]{%
13945 \bibsection
13946 \parindent\z@
13947 \bibpreamble
13948 \bibfont
13949 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13950 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
13951 \ifNAT@openbib
13952 \renewcommand\newblock{\par}%
13953 \else
13954 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
13955 \fi
13956 \sloppy\clubpenalty4000\widowpenalty4000
13957 \sfcode`\.\@m
13958 \let\NAT@bibitem@first@sw\@firstoftwo
13959 \let\citeN\cite \let\shortcite\cite
13960 \let\citeasnoun\cite
13961 }{%
13962 \bibitem@fin
13963 \bibpostamble
13964 \def\@noitemerr{%
13965 \PackageWarning{natbib}{Empty `thebibliography' environment}%
13966 }%
13967 \endlist
13968 \bibcleanup

```



13969 }%

7.85 newfloat-xetex-bidi.def

```
13970 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
13971 \renewcommand*{newfloat@setwithin}[2]{%
13972   \ifcsname c@chapter\endcsname
13973     \@removefromreset{#1}{chapter}%
13974   \fi
13975   \@removefromreset{#1}{section}%
13976   \edef\@tempa{#2}%
13977   \ifx\@tempa\@empty
13978     \def\@tempa{none}%
13979   \fi
13980   \def\@tempb{none}%
13981   \ifx\@tempa\@tempb
13982     \ifcsname c@chapter\endcsname
13983       \@chapterlistsgap@off{#1}%
13984     \fi
13985     \newfloat@@setwithin{#1}{\}{\}%
13986   \else
13987     \def\@tempb{chapter}%
13988     \ifx\@tempa\@tempb
13989       \@addtoreset{#1}{chapter}%
13990       \@chapterlistsgap@on{#1}%
13991       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa
13992     \else
13993       \def\@tempb{section}%
13994       \ifx\@tempa\@tempb
13995         \@addtoreset{#1}{section}%
13996         \ifcsname c@chapter\endcsname
13997           \@addtoreset{#1}{chapter}%
13998         \chapterlistsgap@on{#1}%
13999         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14000       \else
14001         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@Se
14002       \fi
14003     \else
14004       \newfloat@Error{Invalid value `#2' for option `within'}%
14005     \fi
14006   \fi
14007 \fi}
```

7.86 ntheorem-xetex-bidi.def

```
14008 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for
14009 \gdef\@thm#1#2#3{%
14010   \if@thmmarks
14011     \stepcounter{end\InTheoType ctr}%
14012   \fi
14013   \renewcommand{\InTheoType}{#1}%
```



```

14014 \if@thmmarks
14015     \stepcounter{curr#1ctr}%
14016     \setcounter{end#1ctr}{0}%
14017 \fi
14018 \refstepcounter{#2}%
14019 \theorem@prework
14020 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
14021 \ifvmode \advance\thm@topsepadd\partopsep\fi
14022 \trivlist
14023 \@topsep \theorempreskipamount
14024 \@topsepadd \thm@topsepadd % used by \endparenv
14025 \advance\linewidth -\theorem@indent
14026 \advance\@totalleftmargin \theorem@indent
14027 \if@RTL\parshape \@one Opt \linewidth\else \parshape \@one \@totalleftmargin \linewidth\fi
14028 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.87 ntheorem-hyper-xetex-bidi.def

```

14029 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
14030 \gdef\@thm#1#2#3{%
14031     \if@thmmarks
14032         \stepcounter{end\InTheoType ctr}%
14033     \fi
14034     \renewcommand{\InTheoType}{#1}%
14035     \if@thmmarks
14036         \stepcounter{curr#1ctr}%
14037         \setcounter{end#1ctr}{0}%
14038     \fi
14039     \refstepcounter{#2}%
14040     \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
14041     \ifvmode \advance\thm@topsepadd\partopsep\fi
14042     \trivlist
14043     \@topsep \theorempreskipamount
14044     \@topsepadd \thm@topsepadd % used by \endparenv
14045     \advance\linewidth -\theorem@indent
14046     \advance\@totalleftmargin \theorem@indent
14047     \if@RTL\parshape \@one Opt \linewidth\else \parshape \@one \@totalleftmargin \linewidth\fi
14048     \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.88 overpic-xetex-bidi.def

```

14049 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for XeLaTeX]
14050 \renewenvironment{overpic}[2] [] {%
14051     \sbox{\z@}{\includegraphics[#1]{#2}}%
14052     \settodepth{\@tempcnta}{\usebox{\z@}}%
14053     \settoheight{\@tempcntb}{\usebox{\z@}}%
14054     \advance\@tempcntb\@tempcnta%
14055     \settoheight{\@tempcnta}{\usebox{\z@}}%
14056     \setlength{\@tempdima}{\unitlength}%
14057     \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14058 %

```



```

14059 \OVP@calc%
14060 %
14061 \begin{picture}(\@tempcnta,\@tempcntb)%
14062 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}%
14063 \ifGin@grid%
14064 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14065 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14066 \fi\fi%
14067 % reset the graphics parameter
14068 \let\Gin@outer@scalex\relax
14069 \let\Gin@outer@scaley\relax
14070 \let\Gin@angle\relax
14071 \let\Gin@ewidth\Gin@exclamation
14072 \let\Gin@eheight\Gin@ewidth
14073 \def\Gin@scalex{1}
14074 \let\Gin@scaley\Gin@exclamation
14075 }{%
14076 \if@RTL\ifGin@grid%
14077 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14078 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14079 \fi%
14080 \put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}\fi%
14081 \end{picture}%
14082 }%

```

7.89 pdfpages-xetex-bidi.def

```

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

```



```

14106         {\let\foo\relax}
14107         {\expandafter\ifx\expandafter\\AM@pagestemp\\
14108          \edef\AM@pagestemp{%
14109           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
14110         \else
14111         \edef\AM@pagestemp{\AM@pagestemp,%
14112          \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
14113         \fi
14114         \advance\@tempcnta 1\relax
14115     }%
14116     \foo
14117 }%
14118 \foo
14119 \expandafter\ifx\expandafter\\AM@pagestemp\\
14120 \def\AM@pagestemp{1}%
14121 \fi
14122 \fi
14123 \ifAM@output
14124 \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
14125 \AM@output{#1}%
14126 \fi
14127 \AM@CheckAtEnd
14128 \endgroup
14129 \AM@ClearShipoutPicture
14130 }

```

7.90 pgfcorescopes.code-xetex-bidi.def

```

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

```



```

14153         \global\pgf@picmaxx=0pt\relax%
14154         \global\pgf@picminx=0pt\relax%
14155         \global\pgf@picmaxy=0pt\relax%
14156         \global\pgf@picminy=0pt\relax%
14157     \fi%
14158     % Shift baseline outside:
14159     \pgf@relevantforpicturesizefalse%
14160     \pgf@process{\pgf@baseline}%
14161     \xdef\pgf@shift@baseline{\the\pgf@y}%
14162     %
14163     \pgf@process{\pgf@trimleft}%
14164     \global\advance\pgf@x by-\pgf@picminx
14165     % prepare \hskip\pgf@trimleft@final.
14166     % note that \pgf@trimleft@final is also queried
14167     % by the pgf image externalization.
14168     \xdef\pgf@trimleft@final{-\the\pgf@x}%
14169     %
14170     \pgf@process{\pgf@trimright}%
14171     \global\advance\pgf@x by-\pgf@picmaxx
14172     % prepare \hskip\pgf@trimright@final.
14173     % note that \pgf@trimright@final is also queried
14174     % by the pgf image externalization.
14175     \xdef\pgf@trimright@final{\the\pgf@x}%
14176     %
14177     \pgf@remember@layerlist@globally
14178     \endgroup%
14179     \hss%
14180     \egroup%
14181     \pgf@restore@layerlist@from@global
14182     \pgf@insertlayers%
14183     \endgroup%
14184     \pgfsys@discardpath%
14185     \endgroup%
14186     \pgfsys@endscope%
14187     \pgfsys@endpicture%
14188     \endgroup%
14189     \hss
14190 \egroup%
14191 \pgfsys@typesetpicturebox\pgfpic%
14192 \ifmode\else\endL\fi%
14193 \endgroup%
14194 }

```

7.91 picinpar-xetex-bidi.def

```

14195 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
14196 \long\def\@makewincaption#1#2{%
14197     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
14198     \ifdim\wd\@tempboxa>\picwd
14199         {\footnotesize{\bf #1:\enspace}{#2\par}}

```



```

14200 \else
14201 \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14202 \fi}
14203 \def\endwindow{%
14204 \global\tcd=\tcdsav
14205 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14206 \vbadness=10000
14207 \splittopskip=0pt
14208 %
14209 % Typeset the lines above the window
14210 %
14211 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14212 \tcn=\tcd
14213 \loop\advance\tcn -1
14214 \setbox\fslice=\vsplit\holder to\baselineskip
14215 \prune\fslice\linewidth
14216 \topheight=0pt
14217 \ifnum\dp\fslice>\dp\wstrutbox
14218 \advance\topheight-\dp\fslice
14219 \advance\topheight\dp\wstrutbox
14220 \advance\topheight\ilg\fi
14221 \hbox to\linewidth{\box\fslice}
14222 \vskip-\topheight
14223 \ifdim\ht\holder>0pt\repeat
14224 \fi
14225 %
14226 % Now we build the boxes beside the window
14227 %
14228 \global\topheight=\tcl\baselineskip
14229 \ifnum\cumpartcl>0\global\tcl=\cumtcl
14230 \global\topheight=\vpic
14231 \fi
14232 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
14233 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14234 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14235 \tcn=\tcl \na=0 \nb=0
14236 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14237 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14238 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
14239 \ifnum\na=0\ifnum\nb=0
14240 \setbox\waslice=\vbox to\vpic{\vss}
14241 \setbox\wbslice=\vbox to\vpic{\vss}
14242 \bl=1\br=1
14243 \vskip\ilg
14244 \fi\fi
14245 %
14246 % both sides
14247 %
14248 \ifnum\na>0 \ifnum\nb>0
14249 \loop\advance\nb -1

```



```

14250 \advance\na -1
14251 \if@RTL%
14252 \setbox\bslice=\vsplit\holder to\baselineskip
14253 \prune\bslice\rtside
14254 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14255 to\rtside{\box\bslice\hfil}}
14256 \setbox\aslice=\vsplit\holder to\baselineskip
14257 \prune\aslice\lftside
14258 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14259 to\lftside{\box\aslice\hfil}}
14260 \else%
14261 \setbox\aslice=\vsplit\holder to\baselineskip
14262 \prune\aslice\lftside
14263 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14264 to\lftside{\box\aslice\hfil}}
14265 \setbox\bslice=\vsplit\holder to\baselineskip
14266 \prune\bslice\rtside
14267 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14268 to\rtside{\box\bslice\hfil}}
14269 \fi%
14270 \ifnum\nb>0\repeat
14271 \fi\fi
14272 %
14273 % only text on the left side
14274 %
14275 \ifnum\na>0
14276     \loop\advance\na -1
14277     \setbox\aslice=\vsplit\holder to\baselineskip
14278     \prune\aslice\lftside
14279     \setbox\waslice=\vbox{\unvbox\waslice\hbox
14280 to\lftside{\box\aslice\hfil}}
14281     \ifdim\ht\holder>0pt\repeat
14282 \fi
14283 %
14284 % only text on the right side
14285 %
14286 \ifnum\nb>0
14287     \loop\advance\nb -1
14288     \setbox\bslice=\vsplit\holder to\baselineskip
14289     \prune\bslice\rtside
14290     \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14291 to\rtside{\box\bslice\hfil}}
14292     \ifdim\ht\holder>0pt\repeat
14293 \fi
14294 %
14295 % fixing the dimensions of the window part
14296 %
14297 \ifnum\bl=0\topheight=\ht\wbslice
14298 \else\ifnum\br=0\topheight=\ht\waslice
14299     \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice

```



```

14300             \else\topheight=\ht\wbslice\fi\fi\fi
14301 %
14302 % ship out the window material to the main vertical list
14303 %
14304 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
14305 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
14306 \fi\fi\fi
14307 \setbox>windowbox=\vbox{\hbox to\linewidth{%
14308 \ifnum\bl>0\box\waslice\hfill\fi%
14309 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
14310 \vfill\unvbox\picbox%
14311 \ifnum\picwd>0\vfill\fi%
14312 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
14313 \unvbox>windowbox%
14314 \loop
14315 \setbox\bslice=\vsplit\rawtext to\baselineskip
14316 \prune\bslice\linewidth
14317 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
14318 \unvbox\wbslice
14319 \ifdim\ht\rawtext>0pt
14320 \repeat
14321 }% FINITO

```

7.92 plain-xetex-bidi.def

```

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

```




```

14347 \beginL
14348 \bgroup
14349 \aftergroup\endL
14350 \aftergroup\egroup
14351 }\hbox}
14352 \protected\def\ vboxR{\ vbox\bgroup
14353 \everyvbox{%
14354 \aftergroup\egroup
14355 \everyvbox{}}%
14356 \@RTLtrue
14357 \bgroup
14358 \aftergroup\egroup
14359 }\vbox}
14360 \protected\def\ vboxL{\ vbox\bgroup
14361 \everyvbox{%
14362 \aftergroup\egroup
14363 \everyvbox{}}%
14364 \@RTLfalse
14365 \bgroup
14366 \aftergroup\egroup
14367 }\vbox}
14368 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
14369 \def\endLTR{\par}
14370 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
14371 \def\endRTL{\par}
14372 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
14373 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
14374 \let\unsetRTL=\setLTR
14375 \let\unsetLTR=\setRTL
14376 \let\LR=\LRE
14377 \let\RL=\RLE
14378 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
14379 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
14380 \let\@ensure@RL=\@ensure@RTL
14381 \let\@ensure@LR=\@ensure@LTR
14382 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
14383 \let\@ensure@maindir=\@ensure@dir
14384 \def\@RTL{RTL}
14385 \def\@LTR{LTR}
14386 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
14387 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
14388 \let\@TeX\TeX
14389 \def\TeX{\@ensure@LTR{\@TeX}}
14390 \long\def\ bidi@reflect@box#1{%
14391 \leavevmode
14392 \setbox\z@\hbox{{#1}}%
14393 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
14394 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
14395 }
14396 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex

```



```

14397 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
14398 \let\setRL=\setRTL
14399 \let\setLR=\setLTR
14400 \let\unsetRL=\setLTR
14401 \let\bidisaved@eqno=\eqno
14402 \let\bidisaved@leqno=\leqno
14403 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
14404 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
14405 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14406 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14407 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

7.93 pstricks-xetex-bidi.def

```

14408 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for
14409 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
14410 \def\endpspicture{%
14411 \ifshowgrid\ifnum\showgridps>0
14412 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
14413 \pst@killglue
14414 % \global\pst@shift=\pst@shift% in fact of the following endgroup
14415 \endgroup
14416 \egroup
14417 \ifdim\wd\pst@hbox=\z@\else
14418 %\@pstrickserr{Extraneous space in the pspicture environment}%
14419 %\Type \space <return> \space to proceed.}%
14420 \fi
14421 \ht\pst@hbox=\pst@dimd
14422 \dp\pst@hbox=-\pst@dimb
14423 \setbox\pst@hbox=\hbox{%
14424 \kern-\pst@dima
14425 % Orig version -----
14426 %\ifx\pst@tempa\@empty\else
14427 %\advance\pst@dimd-\pst@dimb
14428 %\pst@dimd=\pst@tempa\pst@dimd
14429 %\advance\pst@dimd\pst@dimb
14430 %\lower\pst@dimd
14431 %\fi
14432 %----- end Orig
14433 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
14434 \advance\pst@dimd-\pst@dimb
14435 \pst@dimd=0.5\pst@dimd
14436 \else\pst@dimd-\pst@shift\fi
14437 \advance\pst@dimd\pst@dimb
14438 \lower\pst@dimd
14439 \box\pst@hbox
14440 \kern\pst@dimc}%
14441 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
14442 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
14443 \fboxsep=0pt

```



```

14444 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
14445 \ifmmode\else\endL\fi
14446 \endgroup%
14447 \psset[pstricks]{shift=0}% reset value
14448 }

```

7.94 quotchap-xetex-bidi.def

```

14449 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
14450 \renewcommand{\qauthor}[1]{%
14451 \par\smallskip
14452 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
14453 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
14454 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
14455 {\chapnumfont
14456 \ifnum \c@secnumdepth >\m@ne%
14457 \if@mainmatter\thechapter%
14458 \fi\fi
14459 \par\nobreak}%
14460 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10em}
14461 \nobreak\chapterheadendvskip}}
14462 \renewcommand*{\@iprintcites}{%
14463 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
14464 \global\let\@printcites\relax}

```

7.95 ragged2e-xetex-bidi.def

```

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

```



```

14489 \@raggedtwo@spaceskiptrue
14490 \@raggedtwo@everyselectfont
14491 }
14492 \renewcommand{\RaggedRight}{%
14493 \ifx\\ \@raggedtwo@savedcr
14494 \let\\ \@centercr
14495 \fi
14496 \let\@newline \@raggedtwo@gnewline
14497 \ifRTL\rightright\else\leftskip\fi\RaggedRightLeftskip
14498 \@rightskip\RaggedRightRightskip
14499 \ifRTL\leftskip\else\rightskip\fi\@rightskip
14500 \parfillskip\RaggedRightParfillskip
14501 \parindent\RaggedRightParindent
14502 \@raggedtwo@spaceskiptrue
14503 \@raggedtwo@everyselectfont
14504 }
14505 \renewcommand{\justifying}{%
14506 \let\\ \@raggedtwo@savedcr
14507 \let\@newline \@raggedtwo@saved@gnewline
14508 \ifRTL\rightright\else\leftskip\fi\z@
14509 \@rightskip\z@
14510 \ifRTL\leftskip\else\rightskip\fi\@rightskip
14511 \parfillskip\JustifyingParfillskip
14512 \parindent\JustifyingParindent
14513 \@raggedtwo@spaceskipfalse
14514 \@raggedtwo@everyselectfont
14515 }
14516 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{
14517 \CheckCommand*{\@arrayparboxrestore}{%
14518 \let\if@nbreak\iffalse
14519 \let\if@noskipsec\iffalse
14520 \let\par\@par
14521 \let\-\@dischph
14522 \let'\@acci\let'\@accii\let\=\@acciii
14523 \parindent\z@ \parskip\z@skip
14524 \everypar{}%
14525 \linewidth\hsize
14526 \@totalleftmargin\z@
14527 \ifRTL\rightright\else\leftskip\fi\z@skip \ifRTL\leftskip\else\rightskip\fi\z@skip \@right
14528 \parfillskip\@flushglue \lineskip\normallineskip
14529 \baselineskip\normalbaselineskip
14530 \sloppy}%
14531 \renewcommand{\@arrayparboxrestore}{%
14532 \let\if@nbreak\iffalse
14533 \let\if@noskipsec\iffalse
14534 \let\par\@par
14535 \let\-\@dischph
14536 \let'\@acci\let'\@accii\let\=\@acciii
14537 \parskip\z@skip
14538 \everypar{}%

```



```

14539 \linewidth\hsize
14540 \@totalleftmargin\z@
14541 \RaggedRight
14542 \lineskip\normallineskip
14543 \baselineskip\normalbaselineskip
14544 \sloppy}%
14545 \let\@raggedtwoe@raggedrightboxes@opt\relax
14546 }
14547 \let\origin@RaggedLeft=\RaggedLeft
14548 \let\origin@RaggedRight=\RaggedRight
14549 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
14550 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.96 rapport1-xetex-bidi.def

```

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

```



```

14586     \fi}
14587     {\if@twocolumn\else\par\egroup\fi}
14588 \fi
14589 \renewcommand*\@regtocline[3]{%
14590   \ifnum #1>\c@tocdepth
14591   \else
14592     \vskip\z@ \@plus.2\p@
14593     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
14594      \if@RTL\rightskip\else\leftskip\fi\unitindent
14595      \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14596      \parfillskip\z@
14597      \@tempdima\unitindent
14598      \parindent\z@
14599      \leavevmode
14600      \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14601      \hskip 1em \nobreak{\slshape #3}\par
14602    }%
14603   \fi}
14604 \if@oldtoc
14605 \renewcommand*\l@part[2]{%
14606   \ifnum \c@tocdepth >-2\relax
14607     \addpenalty{-\@highpenalty}%
14608     \addvspace{2.25em \@plus\p@}%
14609     \begingroup
14610       \setlength\@tempdima{3em}%
14611       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14612       \parfillskip -\@pnumwidth
14613       {\leavevmode
14614        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14615        \nobreak
14616        \global\@nobreaktrue
14617        \everypar{\global\@nobreakfalse\everypar{}}%
14618      \endgroup
14619   \fi}
14620 \else
14621 \renewcommand*\l@part{%
14622   \ifnum \c@tocdepth >-2\relax
14623     \addpenalty{-\@highpenalty}%
14624     \addvspace{2.25em \@plus \p@}%
14625     \@regtocline{0}%
14626   \fi}
14627 \fi
14628 \if@oldtoc
14629 \renewcommand*\l@chapter[2]{%
14630   \addpenalty{-\@highpenalty}%
14631   \vskip 1.0em \@plus\p@
14632   \setlength\@tempdima{1.5em}%
14633   \begingroup
14634   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14635   \parfillskip -\@pnumwidth

```



```

14636 \leavevmode \bfseries
14637 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14638 \hskip -\if@RTL\rightskip\else\leftskip\fi
14639 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14640 \penalty\@highpenalty
14641 \endgroup}
14642 \else
14643 \renewcommand*\l@chapter{\@regtocline{0}}
14644 \fi
14645 \renewcommand*\left@footnoterule{%
14646 \kern-3\p@
14647 \kern.5\baselineskip
14648 \hrule\@width\unitindent
14649 \kern.4\baselineskip
14650 }
14651 \renewcommand*\right@footnoterule{%
14652 \kern-3\p@
14653 \kern.5\baselineskip
14654 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14655 \kern.4\baselineskip}
14656 \renewenvironment{thebibliography}[1]
14657 { \chapter*{\bibname}%
14658 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14659 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14660 \list{\@biblabel{\@arabic\c@enumiv}}%
14661 {\settowidth\labelwidth{\@biblabel{#1}}%
14662 \leftmargin\labelwidth
14663 \advance\leftmargin\labelsep
14664 \@openbib@code
14665 \usecounter{enumiv}%
14666 \let\p@enumiv\@empty
14667 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14668 \sloppy\clubpenalty4000\widowpenalty4000%
14669 \sfcode`.\@m}
14670 {\def\@noitemerr
14671 {\@latex@warning{Empty `thebibliography' environment}}}%
14672 \endlist}
14673 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14674 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14675 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14676 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14677 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14678 \renewcommand*\theequation{%
14679 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14680 \renewcommand*\thefigure{%
14681 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14682 \renewcommand*\thetable{%
14683 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14684 \if@titlepage
14685 \renewcommand*\TitleFont{\rmfamily}

```



```

14686 \renewcommand*\maketitle{%
14687   \begin{titlepage}%
14688     \let\footnotesize\small
14689     \let\right@footnoterule\relax
14690     \let\left@footnoterule\relax
14691     \let\textwidth@footnoterule\relax
14692     \let \footnote \thanks
14693     \long\def\@makefnmark##1{\parindent\z@
14694       \def\labelitemi{\textendash}\@revlabeltrue
14695       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14696     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14697     \if@compatibility\setcounter{page}{0}\fi
14698     \null\vfil
14699     \vskip 60\p@
14700     \begin{center}%
14701       \TitleFont
14702       {\LARGE \def\{\{\penalty -\@M}
14703         \if@allcaps
14704           \expandafter\uc@nothanks\@title\thanks\relax
14705         \else
14706           \@title
14707         \fi\par}%
14708       \vskip 3em%
14709       {\large
14710         \lineskip .75em \parindent\z@
14711         \begin{tabular}[t]{c}%
14712           \if@allcaps
14713             \expandafter\uc@authornothanks\@author\and\relax
14714           \else
14715             \@author
14716           \fi
14717         \end{tabular}\par}%
14718       \vskip 1.5em%
14719       {\large
14720         \if@allcaps
14721           \uppercase\expandafter{\@date}%
14722         \else
14723           \@date
14724         \fi\par}%
14725       \end{center}\par
14726       \@thanks
14727       \vfil\null
14728     \end{titlepage}%
14729     \setcounter{footnote}{0}%
14730     \global\let\thanks\relax
14731     \global\let\maketitle\relax
14732     \global\let\@thanks\@empty
14733     \global\let\@author\@empty
14734     \global\let\@title\@empty
14735     \global\let\@date\@empty

```




```

14736 \global\let\title\relax
14737 \global\let\author\relax
14738 \global\let\date\relax
14739 \global\let\and\relax
14740 }
14741 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14742 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14743 \futurelet\@tempa\uc@ax}
14744 \def\uc@ax{%
14745 \ifx\@tempa\relax
14746 \else
14747 \\\andname \\\expandafter\uc@authornothanks
14748 \fi}
14749 \def\uc@tx{\ifx\@tempa\relax
14750 \else \expandafter\uc@ty \fi}
14751 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14752 \else
14753 \renewcommand*\maketitle{\par
14754 \begingroup
14755 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14756 \def\@makefnmark{\rlap{%
14757 \@textsuperscript{\normalfont\@thefnmark}}}%
14758 \long\def\@makefntext{\@xmakefntext{%
14759 \@textsuperscript{\normalfont\@thefnmark}}}%
14760 \if@twocolumn
14761 \ifnum \col@number=\@ne
14762 \@maketitle
14763 \else
14764 \twocolumn[\@maketitle]%
14765 \fi
14766 \else
14767 \newpage
14768 \global\@topnum\z@
14769 \@maketitle
14770 \fi
14771 \thispagestyle{plain}\@thanks
14772 \endgroup
14773 \setcounter{footnote}{0}%
14774 \global\let\thanks\relax
14775 \global\let\maketitle\relax
14776 \global\let\@maketitle\relax
14777 \global\let\@thanks\@empty
14778 \global\let\@author\@empty
14779 \global\let\@title\@empty
14780 \global\let\@date\@empty
14781 \global\let\title\relax
14782 \global\let\author\relax
14783 \global\let\date\relax
14784 \global\let\and\relax
14785 }

```



```

14786 \def\@maketitle{%
14787   \newpage
14788   \null
14789   \vskip 2em%
14790   \begin{center}%
14791     \let \footnote \thanks
14792     {\LARGE \TitleFont \@title \par}%
14793     \vskip 1.5em%
14794     {\large \TitleFont
14795       \lineskip .5em%
14796       \begin{tabular}[t]{c}%
14797         \@author
14798         \end{tabular}\par}%
14799     \vskip 1em%
14800     {\large \TitleFont \@date}%
14801   \end{center}%
14802   \par
14803   \vskip 1.5em}
14804 \fi

```

7.97 rapport3-xetex-bidi.def

```

14805 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
14806 \renewenvironment{theindex}{%
14807   \if@twocolumn
14808     \@restonecolfalse
14809   \else
14810     \@restonecoltrue
14811   \fi
14812   \columnseprule \z@
14813   \columnsep 35\p@
14814   \twocolumn[\@makeschapterhead{\indexname}]{%
14815     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
14816   \thispagestyle{plain}\parindent\z@
14817   \parskip\z@ \@plus .3\p@\relax
14818   \let\item\@idxitem
14819   }{%
14820   \if@restonecol\onecolumn\else\clearpage\fi}
14821 \if@titlepage
14822 \renewcommand*\TitleFont{\rmfamily}
14823 \renewcommand*\maketitle{%
14824   \begin{titlepage}%
14825     \let\footnotesize\small
14826     \let\right@footnoterule\relax
14827     \let\left@footnoterule\relax
14828     \let\textwidth@footnoterule\relax
14829     \let \footnote \thanks
14830     \let \LTRfootnote \LTRthanks
14831     \let \RTLfootnote \RTLthanks
14832     \long\def\@makefnctext##1{\parindent\z@

```



```

14833         \def\labelitemi{\textendash}\@revlabeltrue
14834         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14835     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14836     \if@compatibility\setcounter{page}{0}\fi
14837     \null\vfil
14838     \vskip 60\p@
14839     \begin{center}%
14840         \TitleFont
14841         {\LARGE \def\\{\penalty -\@M}
14842         \if@allcaps
14843             \expandafter\uc@nothanks\@title\thanks\relax
14844         \else
14845             \@title
14846         \fi\par}%
14847     \vskip 3em%
14848     {\large
14849     \lineskip .75em \parindent\z@
14850     \begin{tabular}[t]{c}%
14851         \if@allcaps
14852             \expandafter\uc@authornothanks\@author\and\relax
14853         \else
14854             \@author
14855         \fi
14856     \end{tabular}\par}%
14857     \vskip 1.5em%
14858     {\large
14859     \if@allcaps
14860         \uppercase\expandafter{\@date}%
14861     \else
14862         \@date
14863     \fi\par}%
14864     \end{center}\par
14865     \@thanks
14866     \vfil\null
14867 \end{titlepage}%
14868 \setcounter{footnote}{0}%
14869 \global\let\thanks\relax
14870 \global\let\LTRthanks\relax
14871 \global\let\RTLthanks\relax
14872 \global\let\maketitle\relax
14873 \global\let\@thanks\@empty
14874 \global\let\@author\@empty
14875 \global\let\@title\@empty
14876 \global\let\@date\@empty
14877 \global\let\title\relax
14878 \global\let\author\relax
14879 \global\let\date\relax
14880 \global\let\and\relax
14881 }
14882 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}

```



```

14883 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14884     \futurelet\@tempa\uc@ax}
14885 \def\uc@ax{%
14886     \ifx\@tempa\relax
14887     \else
14888         \\\andname \\\expandafter\uc@authornothanks
14889     \fi}
14890 \def\uc@tx{\ifx\@tempa\relax
14891     \else \expandafter\uc@ty \fi}
14892 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14893 \else
14894 \renewcommand*\maketitle{\par
14895     \begingroup
14896     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14897     \def\@makefnmark{\rlap{%
14898         \@textsuperscript{\normalfont\@thefnmark}}}%
14899     \long\def\@makefntext{\@xmakefntext{%
14900         \@textsuperscript{\normalfont\@thefnmark}}}%
14901     \if@twocolumn
14902         \ifnum \col@number=\@ne
14903             \@maketitle
14904         \else
14905             \twocolumn[\@maketitle]%
14906         \fi
14907     \else
14908         \newpage
14909         \global\@topnum\z@
14910         \@maketitle
14911     \fi
14912     \thispagestyle{plain}\@thanks
14913 \endgroup
14914 \setcounter{footnote}{0}%
14915 \global\let\thanks\relax
14916 \global\let\LTRthanks\relax
14917 \global\let\RTLthanks\relax
14918 \global\let\maketitle\relax
14919 \global\let\@maketitle\relax
14920 \global\let\@thanks\@empty
14921 \global\let\@author\@empty
14922 \global\let\@title\@empty
14923 \global\let\@date\@empty
14924 \global\let\title\relax
14925 \global\let\author\relax
14926 \global\let\date\relax
14927 \global\let\and\relax
14928 }
14929 \def\@maketitle{%
14930     \newpage
14931     \null
14932     \vskip 2em%

```



```

14933 \if@titlecentered
14934   \begin{center}%
14935     \let \footnote \thanks
14936     \let \LTRfootnote \LTRthanks
14937     \let \RTLfootnote \RTLthanks
14938     {\LARGE \TitleFont \@title \par}%
14939     \vskip 1.5em%
14940     {\large \TitleFont
14941       \lineskip .5em%
14942       \begin{tabular}[t]{c}%
14943         \@author
14944       \end{tabular}\par}%
14945     \vskip 1em%
14946     {\large \TitleFont \@date}%
14947   \end{center}%
14948   \else
14949     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
14950     {\large \TitleFont \lineskip .5em \tabcolsep\z@
14951       \def\and{%% \begin{tabular} has already started
14952         \end{tabular}\hskip 1em plus .17fil
14953         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
14954         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
14955       \vskip 1em {\large \TitleFont \@date}
14956   \fi
14957   \par
14958   \vskip 1.5em}
14959 \fi
14960 \renewcommand*\@regtocline[3]{%
14961   \ifnum #1>\c@tocdepth
14962   \else
14963     \vskip\z@\@plus.2\p@
14964     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14965       \if@RTL\righskip\else\leftskip\fi\unitindent
14966       \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
14967       \parfillskip\z@
14968       \@tempdima\unitindent
14969       \parindent\z@
14970       \leavevmode
14971       \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
14972       \hskip 1em \nobreak{\slshape #3}\par
14973     }%
14974   \fi}
14975 \if@oldtoc
14976 \renewcommand*\l@part[2]{%
14977   \ifnum \c@tocdepth >-2\relax
14978     \addpenalty{-\@highpenalty}%
14979     \addvspace{2.25em \@plus\p@}%
14980     \begingroup
14981       \setlength\@tempdima{3em}%
14982       \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth

```



```

14983     \parfillskip -\@pnumwidth
14984     {\leavevmode
14985       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14986       \nobreak
14987       \global\@nobreaktrue
14988       \everypar{\global\@nobreakfalse\everypar{}}%
14989     \endgroup
14990   \fi}
14991 \else
14992   \renewcommand*\l@part{%
14993     \ifnum \c@tocdepth >-2\relax
14994       \addpenalty{-\@highpenalty}%
14995       \addvspace{2.25em \@plus \p@}%
14996       \@regtocline{0}%
14997     \fi}
14998 \fi
14999 \if@oldtoc
15000 \renewcommand*\l@chapter[2]{%
15001   \addpenalty{-\@highpenalty}%
15002   \vskip 1.0em \@plus \p@
15003   \setlength\@tempdima{1.5em}%
15004   \begingroup
15005     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15006     \parfillskip -\@pnumwidth
15007     \leavevmode \bfseries
15008     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15009     \hskip -\if@RTL\rightskip\else\leftskip\fi
15010     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15011     \penalty\@highpenalty
15012   \endgroup}
15013 \else
15014   \renewcommand*\l@chapter{\@regtocline{0}}
15015 \fi
15016 \renewcommand*\head@style{%
15017   \interlinepenalty \@M
15018   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15019   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15020 \if@titlepage
15021   \renewenvironment{abstract}{%
15022     \titlepage
15023     \null\vfil
15024     \section*{\SectFont\abstractname}%
15025     \noindent\ignorespaces}
15026     {\par\vfil\null\endtitlepage}
15027 \else
15028   \renewenvironment{abstract}{%
15029     \if@twocolumn
15030       \section*{\abstractname}%
15031     \else
15032       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent

```



```

15033     \section*{\small\SectFont\abstractname}%
15034     \noindent\ignorespaces
15035     \fi}
15036     {\if@twocolumn\else\par\egroup\fi}
15037 \fi
15038 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15039 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15040 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15041 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15042 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15043 \renewcommand*\thefigure{%
15044     \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@figure}
15045 \renewcommand*\thetable{%
15046     \ifnum\c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@table}
15047 \renewcommand*\theequation{%
15048     \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15049 \renewenvironment{thebibliography}[1]
15050     {\chapter*{\bibname}%
15051     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15052     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15053     \list{\@biblabel{\@arabic\c@enumiv}}%
15054         {\settowidth\labelwidth{\@biblabel{#1}}%
15055         \leftmargin\labelwidth
15056         \advance\leftmargin\labelsep
15057         \@openbib@code
15058         \usecounter{enumiv}%
15059         \let\p@enumiv\@empty
15060         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15061     \sloppy\clubpenalty4000\widowpenalty4000%
15062     \sfcode`. \. \@m}
15063     {\def\@noitemerr
15064     {\@latex@warning{Empty `thebibliography' environment}}%
15065     \endlist}
15066 \renewcommand*\left@footnoterule{%
15067     \kern-3\p@
15068     \kern.5\baselineskip
15069     \hrule\@width\unitindent
15070     \kern.4\baselineskip
15071 }
15072 \renewcommand*\right@footnoterule{%
15073     \kern-3\p@
15074     \kern.5\baselineskip
15075     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15076     \kern.4\baselineskip}
15077 \renewcommand*\head@style{%
15078     \interlinepenalty \@M
15079     \hyphenpenalty=\@M \exhyphenpenalty=\@M
15080     \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



7.98 refrep-xetex-bidi.def

```

15081 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX]
15082 \if@titlepage
15083   \renewcommand\maketitle{\begin{titlepage}%
15084     \let\footnotesize\small
15085     \let\right@footnoterule\relax
15086     \let\left@footnoterule\relax
15087     \let\textwidth@footnoterule\relax
15088     \let\footnote\thanks
15089     \let\LTRfootnote\LTRthanks
15090     \let\RTLfootnote\RTLthanks
15091     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15092     \def\@makefnmark%
15093       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15094     \long\def\@makefntext##1{%
15095       \@setpar{\@par
15096         \@tempdima = \hspace
15097         \advance\@tempdima -1em
15098         \parshape \@ne 1em \@tempdima}%
15099       \par\parindent 1em \noindent
15100       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\},\,##1}
15101 \null\vfil
15102 \vskip 60\p@
15103 \begin{center}%
15104   {\LARGE \@title \par}%
15105   \vskip 3em%
15106   {\large
15107     \lineskip .75em%
15108     \begin{tabular}[t]{c}%
15109       \@author
15110     \end{tabular}\par}%
15111     \vskip 1.5em%
15112     {\large \@date \par}%           % Set date in \large size.
15113 \end{center}\par
15114 \@thanks
15115 \vfil\null
15116 \end{titlepage}%
15117 \setcounter{footnote}{0}%
15118 \global\let\thanks\relax
15119 \global\let\LTRthanks\relax
15120 \global\let\RTLthanks\relax
15121 \global\let\maketitle\relax
15122 \global\let\@thanks\@empty
15123 \global\let\@author\@empty
15124 \global\let\@date\@empty
15125 \global\let\@title\@empty
15126 \global\let\title\relax
15127 \global\let\author\relax
15128 \global\let\date\relax

```




```

15129 \global\let\and\relax
15130 }
15131 \else
15132 \renewcommand\maketitle{\par
15133 \begingroup
15134 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15135 \def\@makefnmark%
15136 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15137 \long\def\@makefntext##1{%
15138 \setpar{\@par
15139 \@tempdima = \hsize
15140 \advance\@tempdima -1em
15141 \parshape \@ne 1em \@tempdima}%
15142 \par\parindent 1em \noindent
15143 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15144 \if@twocolumn
15145 \ifnum \col@number=\@ne
15146 \maketitle
15147 \else
15148 \twocolumn[\maketitle]%
15149 \fi
15150 \else
15151 \newpage
15152 \global\@topnum\z@ % Prevents figures from going at top of page.
15153 \maketitle
15154 \fi
15155 \thispagestyle{empty}\@thanks
15156 \endgroup
15157 \setcounter{footnote}{0}%
15158 \global\let\thanks\relax
15159 \global\let\LTRthanks\relax
15160 \global\let\RTLthanks\relax
15161 \global\let\maketitle\relax
15162 \global\let\@maketitle\relax
15163 \global\let\@thanks\@empty
15164 \global\let\@author\@empty
15165 \global\let\@date\@empty
15166 \global\let\@title\@empty
15167 \global\let\title\relax
15168 \global\let\author\relax
15169 \global\let\date\relax
15170 \global\let\and\relax
15171 }
15172 \def\@maketitle{%
15173 \newpage
15174 \null
15175 \longthickrule\vskip1.5em%
15176 \let \footnote \thanks
15177 \let \LTRfootnote \LTRthanks
15178 \let \RTLfootnote \RTLthanks

```



```

15179 {\secshape \parskip\z@ \parindent\z@
15180 \Large\bfseries \@title \par}%
15181 \vskip1.5em\longthickrule\vskip1.5em%
15182 {\normalsize
15183 \lineskip .5em%
15184 \begin{flushright}%
15185 {\slshape\@author\par}
15186 \vskip 1em%
15187 {\@date}%
15188 \end{flushright}\par}%
15189 \vskip 1.5em}
15190 \fi
15191 \renewcommand*\l@part[2]{%
15192 \ifnum \c@tocdepth >-2\relax
15193 \addpenalty{-\@highpenalty}%
15194 \addvspace{2.25em \@plus\p@}%
15195 \begingroup
15196 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15197 \parfillskip -\@pnumwidth
15198 {\leavevmode
15199 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15200 \nobreak
15201 \global\@nbreaktrue
15202 \everypar{\global\@nbreakfalse\everypar{}}%
15203 \endgroup
15204 \fi}
15205 \renewcommand*\l@chapter[2]{%
15206 \ifnum \c@tocdepth >\m@ne
15207 \addpenalty{-\@highpenalty}%
15208 \vskip 1.0em \@plus\p@
15209 \setlength\@tempdima{1.5em}%
15210 \begingroup
15211 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15212 \parfillskip -\@pnumwidth
15213 \leavevmode \bfseries
15214 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15215 \hskip -\if@RTL\rightskip\else\leftskip\fi
15216 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
15217 \penalty\@highpenalty
15218 \endgroup
15219 \fi}
15220 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15221 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
15222 \hyphenpenalty=2000}
15223 \renewcommand\left@footnoterule{%
15224 \kern-3\p@
15225 \hrule\@width.4\columnwidth
15226 \kern 2.6\p@}
15227 \renewcommand\right@footnoterule{%
15228 \kern-3\p@

```



```

15229 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15230 \kern2.6\p@}
15231 \renewcommand\theequation
15232 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15233 \renewcommand\thefigure
15234 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15235 \renewcommand\thetable%
15236 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15237 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15238 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15239 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15240 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15241 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15242 \renewenvironment{thebibliography}[1]
15243 {\chapter*{\bibname
15244 \mkboth{\bibname}{\bibname}}%
15245 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15246 \list{\@biblabel{\@arabic\c@enumiv}}%
15247 {\settowidth\labelwidth{\@biblabel{#1}}%
15248 \leftmargin\labelwidth
15249 \advance\leftmargin\labelsep
15250 \@openbib@code
15251 \usecounter{enumiv}%
15252 \let\p@enumiv\@empty
15253 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15254 \sloppy
15255 \clubpenalty4000
15256 \@clubpenalty \clubpenalty
15257 \widowpenalty4000%
15258 \sfcode`\.=\@m}
15259 {\def\@noitemerr
15260 {\@latex@warning{Empty `thebibliography' environment}}%
15261 \endlist}

```

7.99 report-xetex-bidi.def

```

15262 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
15263 \renewenvironment{theindex}
15264 {\if@twocolumn
15265 \restonecolfalse
15266 \else
15267 \restonecoltrue
15268 \fi
15269 \columnseprule \z@
15270 \columnsep 35\p@
15271 \twocolumn[\@makeschapterhead{\indexname}]%
15272 \mkboth{\MakeUppercase\indexname}%
15273 {\MakeUppercase\indexname}%
15274 \thispagestyle{plain}\parindent\z@
15275 \parskip\z@ \@plus .3\p@\relax

```



```

15276             \let\item\@idxitem}
15277             {\if@restonecol\onecolumn\else\clearpage\fi}
15278 \if@titlepage
15279 \renewcommand\maketitle{\begin{titlepage}%
15280 \let\footnotesize\small
15281 \let\right@footnoterule\relax
15282 \let\left@footnoterule\relax
15283 \let\textwidth\footnoterule\relax
15284 \let \footnote \thanks
15285 \let \LTRfootnote \LTRthanks
15286 \let \RTLfootnote \RTLthanks
15287 \null\vfil
15288 \vskip 60\p@
15289 \begin{center}%
15290     {\LARGE \@title \par}%
15291     \vskip 3em%
15292     {\large
15293       \lineskip .75em%
15294       \begin{tabular}[t]{c}%
15295         \@author
15296       \end{tabular}\par}%
15297       \vskip 1.5em%
15298       {\large \@date \par}%           % Set date in \large size.
15299 \end{center}\par
15300 \@thanks
15301 \vfil\null
15302 \end{titlepage}%
15303 \setcounter{footnote}{0}%
15304 \global\let\thanks\relax
15305 \global\let\LTRthanks\relax
15306 \global\let\RTLthanks\relax
15307 \global\let\maketitle\relax
15308 \global\let\@thanks\@empty
15309 \global\let\@author\@empty
15310 \global\let\@date\@empty
15311 \global\let\@title\@empty
15312 \global\let\title\relax
15313 \global\let\author\relax
15314 \global\let\date\relax
15315 \global\let\and\relax
15316 }
15317 \else
15318 \renewcommand\maketitle{\par
15319 \begingroup
15320 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15321 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15322 \long\def\@makefntext##1{\parindent 1em\noindent
15323   \hb@xt@1.8em{%
15324     \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15325 \if@twocolumn

```



```

15326     \ifnum \col@number=\@ne
15327         \@maketitle
15328     \else
15329         \twocolumn[\@maketitle]%
15330     \fi
15331 \else
15332     \newpage
15333     \global\@topnum\z@    % Prevents figures from going at top of page.
15334     \@maketitle
15335     \fi
15336     \thispagestyle{plain}\@thanks
15337 \endgroup
15338 \setcounter{footnote}{0}%
15339 \global\let\thanks\relax
15340 \global\let\LTRthanks\relax
15341 \global\let\RTLthanks\relax
15342 \global\let\maketitle\relax
15343 \global\let\@maketitle\relax
15344 \global\let\@thanks\@empty
15345 \global\let\@author\@empty
15346 \global\let\@date\@empty
15347 \global\let\@title\@empty
15348 \global\let\title\relax
15349 \global\let\author\relax
15350 \global\let\date\relax
15351 \global\let\and\relax
15352 }
15353 \def\@maketitle{%
15354     \newpage
15355     \null
15356     \vskip 2em%
15357     \begin{center}%
15358         \let \footnote \thanks
15359         \let \LTRfootnote \LTRthanks
15360         \let \RTLfootnote \RTLthanks
15361         {\LARGE \@title \par}%
15362         \vskip 1.5em%
15363         {\large
15364             \lineskip .5em%
15365             \begin{tabular}[t]{c}%
15366                 \@author
15367             \end{tabular}\par}%
15368         \vskip 1em%
15369         {\large \@date}%
15370     \end{center}%
15371     \par
15372     \vskip 1.5em}
15373 \fi
15374 \renewcommand*\l@part[2]{%
15375     \ifnum \c@tocdepth >-2\relax

```



```

15376 \addpenalty{-\@highpenalty}%
15377 \addvspace{2.25em \@plus\p@}%
15378 \setlength\@tempdima{3em}%
15379 \beginingroup
15380 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15381 \parfillskip -\@pnumwidth
15382 {\leavevmode
15383 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15384 \nobreak
15385 \global\@nbreaktrue
15386 \everypar{\global\@nbreakfalse\everypar{}}%
15387 \endgroup
15388 \fi}
15389 \renewcommand*\l@chapter[2]{%
15390 \ifnum \c@tocdepth >\m@ne
15391 \addpenalty{-\@highpenalty}%
15392 \vskip 1.0em \@plus\p@
15393 \setlength\@tempdima{1.5em}%
15394 \beginingroup
15395 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15396 \parfillskip -\@pnumwidth
15397 \leavevmode \bfseries
15398 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15399 \hskip -\if@RTL\rightskip\else\leftskip\fi
15400 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15401 \penalty\@highpenalty
15402 \endgroup
15403 \fi}
15404 \renewcommand\left@footnoterule{%
15405 \kern-3\p@
15406 \hrule\@width.4\columnwidth
15407 \kern2.6\p@}
15408 \renewcommand\right@footnoterule{%
15409 \kern-3\p@
15410 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15411 \kern2.6\p@}
15412 \renewcommand\theequation
15413 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15414 \renewcommand \thefigure
15415 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15416 \renewcommand \thetable
15417 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15418 \renewcommand \thechapter {\@arabic\c@chapter}
15419 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15420 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15421 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15422 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15423 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15424 \def\@makechapterhead#1{%
15425 \vspace*{50\p@}%

```



```

15426 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15427 \ifnum \c@secnumdepth >\m@ne
15428 \huge\bfseries \@chapapp\space \thechapter
15429 \par\nobreak
15430 \vskip 20\p@
15431 \fi
15432 \interlinepenalty\@M
15433 \Huge \bfseries #1\par\nobreak
15434 \vskip 40\p@
15435 }}
15436 \def\@makeschapterhead#1{%
15437 \vspace*{50\p@}%
15438 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15439 \normalfont
15440 \interlinepenalty\@M
15441 \Huge \bfseries #1\par\nobreak
15442 \vskip 40\p@
15443 }}
15444 \renewenvironment{thebibliography}[1]
15445 {\chapter*{\bibname}%
15446 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15447 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15448 \list{\@biblabel{\@arabic\c@enumiv}}%
15449 {\settowidth\labelwidth{\@biblabel{#1}}%
15450 \leftmargin\labelwidth
15451 \advance\leftmargin\labelsep
15452 \@openbib@code
15453 \usecounter{enumiv}%
15454 \let\p@enumiv\@empty
15455 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15456 \sloppy
15457 \clubpenalty4000
15458 \@clubpenalty \clubpenalty
15459 \widowpenalty4000%
15460 \sfcode`. \.\@m}
15461 {\def\@noitemerr
15462 {\@latex@warning{Empty `thebibliography' environment}}%
15463 \endlist}

```

7.100 rotating-xetex-bidi.def

```

15464 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
15465 \def\end@rotfloat{%
15466 \end{minipage}\end{lrbox}%
15467 \stepcounter{r@tfl@t}%
15468 \rot@label{RF\ther@tfl@t}%
15469 \rot@pageref{RF\ther@tfl@t}{\R@page}%
15470 \edef\@tempa{Adding sideways \@capytype\space on page \R@page\space}
15471 \rot@mess@toks\expandafter{\@tempa}
15472 \wd\rot@float@box\z@

```



```

15473 \ht\rot@float@box\z@
15474 \dp\rot@float@box\z@
15475 \vboxL to \textheight{%
15476 \setkeys{Grot}{units=360}%
15477 \if@rot@twoside
15478 \else
15479 \let\R@@page\rot@LR
15480 \fi
15481 \ifthenelse{\isodd{\R@@page}}{%
15482 \if@rot@twoside
15483 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15484 \fi
15485 \vfill
15486 @@line{%
15487 \hskip\rotFPtop
15488 \rotatebox{90}{\box\rot@float@box}%
15489 \hskip\rotFPbot
15490 }%
15491 }{%
15492 \if@rot@twoside
15493 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
15494 \fi
15495 @@line{%
15496 \hskip\rotFPbot
15497 \rotatebox{-90}{\box\rot@float@box}%
15498 \hskip\rotFPtop
15499 }%
15500 \vfill
15501 }%
15502 \rot@message{\the\rot@mess@toks}
15503 }%
15504 \end@float
15505 }
15506 \let\endsidewaysfigure\end@rotfloat
15507 \let\endsidewaysstable\end@rotfloat
15508 \def\end@rotdblfloat{%
15509 \end{minipage}\end{lrbox}%
15510 \stepcounter{r@tfl@t}%
15511 \rot@label{RF\ther@tfl@t}%
15512 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15513 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
15514 \rot@mess@toks\expandafter{\@tempa}
15515 \@tempdima\ht\rot@float@box
15516 \advance\@tempdima by \dp\rot@float@box
15517 \wd\rot@float@box\z@
15518 \ht\rot@float@box\z@
15519 \dp\rot@float@box\z@
15520 \vboxL to \textheight{%
15521 \setkeys{Grot}{units=360}%
15522 \if@rot@twoside

```




```

15523 \else
15524 \let\R@@page\rot@LR
15525 \fi
15526 \ifthenelse{\isodd{\R@@page}}{%
15527 \ifrot@messages
15528 \ifrot@twoside
15529 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15530 \fi
15531 \fi
15532 \vfill
15533 @@line{%
15534 \hskip\rotFPtop
15535 \rotatebox{90}{\box\rot@float@box}%
15536 \hskip\rotFPbot
15537 }%
15538 }{%
15539 \ifrot@messages
15540 \ifrot@twoside
15541 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
15542 \fi
15543 \fi%
15544 @@line{%
15545 \hskip\rotFPbot
15546 \rotatebox{-90}{\box\rot@float@box}%
15547 \hskip\rotFPtop
15548 }%
15549 \vfill
15550 }%
15551 \rot@message{\the\rot@mess@toks}%
15552 }%
15553 \end@dblfloat
15554 }
15555 \def\turn#1{%
15556 \Grot@setangle{#1}%
15557 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15558 \def\endturn{%
15559 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15560 \unskip\color@endbox
15561 \Grot@x\z@
15562 \Grot@y\z@
15563 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15564 }
15565 \def\rotate#1{%
15566 \Grot@setangle{#1}%
15567 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15568 \def\endrotate{%
15569 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15570 \unskip\color@endbox
15571 \Grot@x\z@
15572 \Grot@y\z@

```



```

15573 \wd0\z@\dp0\z@\ht0\z@
15574 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15575 }
15576 \def\turnbox#1#2{%
15577 \Grot@setangle{#1}%
15578 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
15579 \Grot@x\z@\Grot@y\z@
15580 \wd0\z@\dp0\z@\ht0\z@
15581 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15582 }
15583 \def\sideways{%
15584 \Grot@setangle{90}%
15585 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15586 \def\endsideways{%
15587 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15588 \unskip\color@endbox
15589 \Grot@x\z@
15590 \Grot@y\z@
15591 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15592 }

```

7.101 scrartcl-xetex-bidi.def

```

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

```



```

15620 \addtolength{\@tempdimc}{#2}%
15621 \addtolength{\@tempdimc}{-#1}%
15622 \@setpar{\@par
15623 \@tempdima = \hsize
15624 \addtolength{\@tempdima}{-#1}%
15625 \@tempdimb = \hsize
15626 \addtolength{\@tempdimb}{-#2}%
15627 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15628 }%
15629 \fi
15630 \par
15631 \parindent\@tempdimc\noindent
15632 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15633 }%
15634 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
15635 }
15636 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15637 \renewcommand*\left@footnoterule{%
15638 \normalsize\ftn@rule@test@values
15639 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15640 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15641 {\usekomafont{footnoterule}{%
15642 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15643 \kern 2.6\p@}
15644 \renewcommand*\right@footnoterule{%
15645 \normalsize\ftn@rule@test@values
15646 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15647 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15648 {\usekomafont{footnoterule}{%
15649 \hbox to \columnwidth{\hskip \dimexpr\columnwidth- \ftn@rule@width\relax \leavevmode\leader
15650 \kern 2.6\p@}
15651 \renewcommand*\maketitle[1][1]{%
15652 \if@titlepage
15653 \begin{titlepage}
15654 \setcounter{page}{%
15655 #1%
15656 }%
15657 \let\footnotesize\small
15658 \let\right@footnoterule\relax
15659 \let\left@footnoterule\relax
15660 \let\textwidth\footnoterule\relax
15661 \let\footnote\thanks
15662 \let\LTRfootnote\LTRthanks
15663 \let\RTLfootnote\RTLthanks
15664 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15665 \let\@oldmakefnmark\@makefnmark
15666 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15667 \ifx\@extratitle\@empty \else
15668 \noindent\@extratitle\next@tpage\cleardoubleemptypage
15669 \thispagestyle{empty}%

```



```

15670 \fi
15671 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15672 \ifx\@titlehead\@empty \else
15673 \begin{minipage}[t]{\textwidth}%
15674 \@titlehead
15675 \end{minipage}\par
15676 \fi
15677 \null\vfill
15678 \begin{center}
15679 \ifx\@subject\@empty \else
15680 {\subject@font \@subject \par}%
15681 \vskip 3em
15682 \fi
15683 {\titlefont\huge \@title\par}%
15684 \vskip 1em
15685 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15686 \vskip 2em
15687 {\Large \lineskip 0.75em
15688 \begin{tabular}[t]{c}
15689 \@author
15690 \end{tabular}\par
15691 }%
15692 \vskip 1.5em
15693 {\Large \@date \par}%
15694 \vskip \z@ \@plus3fill
15695 {\Large \@publishers \par}%
15696 \vskip 3em
15697 \end{center}\par
15698 \@thanks
15699 \vfill\null
15700 \if@twoside\next@tpage
15701 \begin{minipage}[t]{\textwidth}
15702 \@uppertitleback
15703 \end{minipage}\par
15704 \vfill
15705 \begin{minipage}[b]{\textwidth}
15706 \@lowertitleback
15707 \end{minipage}
15708 \fi
15709 \ifx\@dedication\@empty \else
15710 \next@tpage\null\vfill
15711 {\centering \Large \@dedication \par}%
15712 \vskip \z@ \@plus3fill
15713 \if@twoside \next@tpage\cleardoubleemptypage \fi
15714 \fi
15715 \end{titlepage}
15716 \else
15717 \par
15718 \@tempcnta=%
15719 #1%

```



```

15720 \relax\ifnum\@tempcnta=1\else
15721 \ClassWarning{\KOMAClassName}{%
15722 Optional argument of \string\maketitle\space ignored
15723 at\MessageBreak
15724 notitlepage-mode%
15725 }%
15726 \fi
15727 \begingroup
15728 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15729 \let\@oldmakefnmark\@makefnmark
15730 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
15731 \if@twocolumn
15732 \ifnum \col@number=\@ne
15733 \@maketitle
15734 \else
15735 \twocolumn[\@maketitle]%
15736 \fi
15737 \else
15738 \newpage
15739 \global\@topnum\z@
15740 \@maketitle
15741 \fi
15742 \thispagestyle{\titlepagestyle}\@thanks
15743 \endgroup
15744 \fi
15745 \setcounter{footnote}{0}%
15746 \let\thanks\relax
15747 \let\LTRthanks\relax
15748 \let\RTLthanks\relax
15749 \let\maketitle\relax
15750 \let\@maketitle\relax
15751 \global\let\@thanks\@empty
15752 \global\let\@author\@empty
15753 \global\let\@date\@empty
15754 \global\let\@title\@empty
15755 \global\let\@subtitle\@empty
15756 \global\let\@extratitle\@empty
15757 \global\let\@titlehead\@empty
15758 \global\let\@subject\@empty
15759 \global\let\@publishers\@empty
15760 \global\let\@uppertitleback\@empty
15761 \global\let\@lowertitleback\@empty
15762 \global\let\@dedication\@empty
15763 \global\let\author\relax
15764 \global\let\title\relax
15765 \global\let\extratitle\relax
15766 \global\let\titlehead\relax
15767 \global\let\subject\relax
15768 \global\let\publishers\relax
15769 \global\let\uppertitleback\relax

```



```

15770 \global\let\lowertitleback\relax
15771 \global\let\dedication\relax
15772 \global\let\date\relax
15773 \global\let\and\relax
15774 }%
15775 \renewcommand*{\@maketitle}{%
15776 \clearpage
15777 \let\footnote\thanks
15778 \let\LTRfootnote\LTRthanks
15779 \let\RTLfootnote\RTLthanks
15780 \ifx\@extratitle\@empty \else
15781 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15782 \fi
15783 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15784 \ifx\@titlehead\@empty \else
15785 \begin{minipage}[t]{\textwidth}
15786 \@titlehead
15787 \end{minipage}\par
15788 \fi
15789 \null
15790 \vskip 2em%
15791 \begin{center}%
15792 \ifx\@subject\@empty \else
15793 {\subject@font \@subject \par}
15794 \vskip 1.5em
15795 \fi
15796 {\titlefont\huge \@title \par}%
15797 \vskip .5em
15798 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15799 \vskip 1em
15800 {\Large
15801 \lineskip .5em%
15802 \begin{tabular}[t]{c}
15803 \@author
15804 \end{tabular}\par
15805 }%
15806 \vskip 1em%
15807 {\Large \@date \par}%
15808 \vskip \z@ \@plus 1em
15809 {\Large \@publishers \par}
15810 \ifx\@dedication\@empty \else
15811 \vskip 2em
15812 {\Large \@dedication \par}
15813 \fi
15814 \end{center}%
15815 \par
15816 \vskip 2em
15817 }%
15818 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15819 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}

```



```

15820 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15821 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
15822 \renewcommand*\thesubsubsection{\%
15823 \thesubsection\@SepMark\@arabic\c@subsubsection
15824 }
15825 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15826 \renewcommand*\thesubparagraph{\%
15827 \theparagraph\@SepMark\@arabic\c@subparagraph
15828 }
15829 \renewenvironment{thebibliography}[1]{%
15830 \if@bib@break@
15831 \bib@beginhook
15832 \else
15833 \bib@heading
15834 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15835 \noindent\bibpreamble\par\nobreak
15836 \fi\fi
15837 \bib@beginhook
15838 \bib@before@hook
15839 \fi
15840 \renewcommand{\BreakBibliography}[1]{%
15841 \@bib@break
15842 \end{thebibliography}%
15843 \begingroup ##1\endgroup
15844 \begin{thebibliography}{#1}
15845 }%
15846 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15847 \list{%
15848 \@biblabel{\@arabic\c@enumiv}%
15849 }{%
15850 \settowidth\labelwidth{\@biblabel{#1}}%
15851 \leftmargin\labelwidth
15852 \advance\leftmargin\labelsep
15853 \@openbib@code
15854 \if@bib@break@
15855 \edef\@tempa{%
15856 \noexpand\usecounter{enumiv}%
15857 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15858 }\@tempa
15859 \no@bib@break
15860 \else
15861 \usecounter{enumiv}%
15862 \fi
15863 \let\p@enumiv\@empty
15864 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15865 }%
15866 \sloppy\clubpenalty4000 \widowpenalty4000
15867 \sfcode`\.=\@m
15868 }{%
15869 \if@bib@break@

```



```

15870 \def\@noitemerr{%
15871 \latex@warning{%
15872 \string\BreakBibliography\space at begin of `thebibliography'
15873 environment\MessageBreak
15874 or following \string\BreakBibliography}}%
15875 }%
15876 \else
15877 \def\@noitemerr{%
15878 \latex@warning{%
15879 Empty `thebibliography' environment or
15880 \string\BreakBibliography\MessageBreak
15881 before end of `thebibliography' environment}}%
15882 }%
15883 \fi
15884 \endlist
15885 \if@bib@break@
15886 \else
15887 \bib@after@hook
15888 \let\bib@before@hook\@empty
15889 \let\bib@after@hook\@empty
15890 \fi
15891 \bib@endhook
15892 }
15893 \renewcommand*\left@footnoterule{%
15894 \kern-3\p@
15895 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15896 \hrule\@width.4\columnwidth
15897 \kern 2.6\p@}
15898 \renewcommand*\right@footnoterule{%
15899 \kern-3\p@
15900 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15901 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15902 \kern2.6\p@}
15903 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15904 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15905 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15906 \renewcommand\marginline[1]{%
15907 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15908 }
15909 \renewcommand{\@makecaption}[3]{%
15910 \cap@margin
15911 \ifonelinecaptions
15912 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15913 \let\scr@tmp@footnotetext=\@footnotetext
15914 \let\@footnotetext=\@gobble
15915 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15916 \let\@LTRfootnotetext=\@gobble
15917 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15918 \let\@RTLfootnotetext=\@gobble
15919 \sbox\@tempboxa{%

```




```

15920     {\capfont{\strut\ignorespaces
15921       #1{\caplabelfont{#2\captionformat}}}%
15922       #3\unskip\strut}}%
15923   }%
15924   \let\@footnotetext=\scr@tmp@footnotetext
15925   \let\scr@tmp@footnotetext=\undefined
15926   \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15927   \let\scr@tmp@LTRfootnotetext=\undefined
15928   \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15929   \let\scr@tmp@RTLfootnotetext=\undefined
15930   \setcounter{footnote}{\@tempcntb}%
15931   \setcounter{mpfootnote}{\@tempcnta}%
15932   \else
15933     \sbox\@tempboxa{\hspace*{2\cap@width}}%
15934     \fi
15935     \begingroup%
15936       \setlength{\@tempdima}{\cap@width}%
15937       \ifdim \wd\@tempboxa >\@tempdima
15938         \hb@xt@\hsize{%
15939           \setbox\@tempboxa\vbox{\hsize=\cap@width
15940             \ifdofullc@p
15941               {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15942                 #1{\caplabelfont{#2\captionformat}}}}}%
15943                 #3\unskip\strut\par}}}%
15944             \else%
15945               \ifdim\cap@indent<\z@
15946                 {\capfont{\strut\ignorespaces
15947                   #1{\caplabelfont{#2\captionformat\par}}}%
15948                   \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
15949                 \else%
15950                   \if@capbreak
15951                     {\capfont{\strut\ignorespaces
15952                       #1{\caplabelfont{#2\captionformat\par}}}%
15953                       \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15954                     \else
15955                       {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
15956                         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15957                           {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
15958                       \fi
15959                     \fi
15960                   \fi
15961             }%
15962             \setlength{\@tempdima}{\ht\@tempboxa}%
15963             \addtolength{\@tempdima}{\dp\@tempboxa}%
15964             \addtolength{\@tempdima}{-\ht\strutbox}%
15965             \ht\@tempboxa\ht\strutbox
15966             \dp\@tempboxa\@tempdima
15967             \strut\cap@left
15968             \box\@tempboxa
15969             \cap@right\strut

```



```

15970     }%
15971     \else
15972         \global \@minipagefalse
15973         \sbox\@tempboxa{%
15974             {\capfont{\scr@smashdp{\strut\ignorespaces
15975                 #1{\caplabelfont{#2\captionformat}}}}}%
15976             #3}}%
15977     }%
15978     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15979     \fi
15980 \endgroup
15981 }
15982 \renewcommand{\@makecaption}[2]{%
15983     \if@captionabove
15984         \vskip\belowcaptionskip
15985     \else
15986         \vskip\abovecaptionskip
15987     \fi
15988     \@makecaption\@firstofone{#1}{#2}%
15989     \if@captionabove
15990         \vskip\abovecaptionskip
15991     \else
15992         \vskip\belowcaptionskip
15993     \fi
15994 }
15995 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15996     \@ifpackageloaded{caption2}{\@komalongtablefalse
15997         \scr@caption@before@longtable@warning{caption2}%
15998     }{}%
15999     \if@komalongtable
16000         \renewcommand{\LT@makecaption}[3]{%
16001             \noalign{%
16002                 \if@captionabove
16003                     \vskip\belowcaptionskip
16004                 \else
16005                     \vskip\abovecaptionskip
16006                 \fi
16007             }%
16008             \LT@mcol\LT@cols c{%
16009                 \hbox to\z@{\hss\parbox[t]{linewidth{%
16010                     \@makecaption{#1}{#2}{#3}%
16011                     \endgraf
16012                     \if@captionabove
16013                         \vskip\abovecaptionskip
16014                     \else
16015                         \vskip\belowcaptionskip
16016                     \fi
16017                 }}%
16018             \hss
16019         }%

```



```

16020     }%
16021   }%
16022   \renewcommand*{\scr@LT@array}{}%
16023   \let\scr@LT@array=\LT@array
16024   \renewcommand*{\LT@array}{%
16025     \let\scr@caption=\LT@caption
16026     \def\captionabove{\noalign{\global\@captionabovetrue}%
16027       \scr@caption}%
16028     \def\captionbelow{\noalign{\global\@captionabovetrue}%
16029       \scr@caption}%
16030     \if@tablecaptionabove
16031       \let\LT@caption=\captionabove
16032     \else
16033       \let\LT@caption=\captionbelow
16034     \fi
16035     \scr@LT@array
16036   }%
16037   \ClassInfo{\KOMAClassName}{%
16038     longtable captions redefined%
16039   }%
16040 \fi
16041 }
16042
16043 \CloneTOCEntryStyle{tocline}{part}
16044 \TOCEntryStyleStartInitCode{part}{%
16045   \expandafter\renewcommand%
16046   \csname scr@tso@#1@linefill\endcsname{\hfill}%
16047   \expandafter\renewcommand%
16048   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16049   \expandafter\renewcommand%
16050   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16051     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16052   \expandafter\renewcommand\expandafter*%
16053   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
16054 }
16055
16056 \CloneTOCEntryStyle{tocline}{section}
16057 \TOCEntryStyleStartInitCode{section}{%
16058   \expandafter\renewcommand%
16059   \csname scr@tso@#1@linefill\endcsname{%
16060     \if@sectionentrywithdots
16061       \TOCLineLeaderFill\relax
16062     \else
16063       \hfill
16064     \fi
16065   }%
16066   % F^fcr die Eintr^e4ge die Schrift von Element sectionentry verwenden.
16067   \expandafter\renewcommand%
16068   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16069   \expandafter\renewcommand%

```



```

16070 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{sec
16071 \expandafter\renewcommand\expandafter*%
16072 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16073 }
16074
16075 \CloneTOCEntryStyle{tocline}{subsection}
16076 \TOCEntryStyleStartInitCode{subsection}{%
16077 \expandafter\renewcommand%
16078 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16079 }
16080
16081 \CloneTOCEntryStyle{subsection}{default}
16082
16083 \DeclareSectionCommand[%
16084 style=part,%
16085 level=\z@,%
16086 tocstyle=part,%
16087 toclevel=\m@ne,%
16088 tocindent=\z@,%
16089 tocnumwidth=2em%
16090 ]{part}
16091 \DeclareSectionCommand[%
16092 style=section,%
16093 level=1,%
16094 indent=\z@,%
16095 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
16096 afterskip=2.3ex \@plus .2ex,%
16097 tocstyle=section,%
16098 tocindent=0pt,%
16099 tocnumwidth=1.5em%
16100 ]{section}
16101 \DeclareSectionCommand[%
16102 style=section,%
16103 level=2,%
16104 indent=\z@,%
16105 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16106 afterskip=1.5ex \@plus .2ex,%
16107 tocstyle=subsection,%
16108 tocindent=1.5em,%
16109 tocnumwidth=2.3em%
16110 ]{subsection}
16111 \DeclareSectionCommand[%
16112 style=section,%
16113 level=3,%
16114 indent=\z@,%
16115 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16116 afterskip=1.5ex \@plus .2ex,%
16117 tocstyle=subsection,%
16118 tocindent=3.8em,%
16119 tocnumwidth=3.2em%

```



```

16120 ]{subsubsection}
16121 \DeclareSectionCommand[%
16122   style=section,%
16123   level=4,%
16124   indent=\z@,%
16125   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
16126   afterskip=-1em,%
16127   tocstyle=subsection,%
16128   tocindent=7.0em,%
16129   tocnumwidth=4.1em%
16130 ]{paragraph}
16131 \DeclareSectionCommand[%
16132   style=section,%
16133   level=5,%
16134   indent=\scr@parindent,%
16135   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
16136   afterskip=-1em,%
16137   tocstyle=subsection,%
16138   tocindent=10em,%
16139   tocnumwidth=5em%
16140 ]{subparagraph}

```

7.102 scrbook-xetex-bidi.def

```

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

```



```

16167 \else
16168 \addtolength{\@tempdimc}{#2}%
16169 \addtolength{\@tempdimc}{-#1}%
16170 \@setpar{\@par
16171 \@tempdima = \hsize
16172 \addtolength{\@tempdima}{-#1}%
16173 \@tempdimb = \hsize
16174 \addtolength{\@tempdimb}{-#2}%
16175 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16176 }%
16177 \fi
16178 \par
16179 \parindent\@tempdimc\noindent
16180 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16181 }%
16182 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16183 }
16184 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16185 \renewcommand*\left@footnoterule{%
16186 \normalsize\ftn@rule@test@values
16187 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16188 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16189 {\usekomafont{footnoterule}{%
16190 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16191 \kern 2.6\p@}
16192 \renewcommand*\right@footnoterule{%
16193 \normalsize\ftn@rule@test@values
16194 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16195 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16196 {\usekomafont{footnoterule}{%
16197 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16198 \kern 2.6\p@}
16199 \renewcommand*\maketitle[1][1]{%
16200 \if@titlepage
16201 \begin{titlepage}
16202 \setcounter{page}{%
16203 #1%
16204 }%
16205 \let\footnotesize\small
16206 \let\right@footnoterule\relax
16207 \let\left@footnoterule\relax
16208 \let\textwidth@footnoterule\relax
16209 \let\footnote\thanks
16210 \let\LTRfootnote\LTRthanks
16211 \let\RTLfootnote\RTLthanks
16212 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16213 \let\@oldmakefnmark\@makefnmark
16214 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16215 \ifx\@extratitle\@empty \else
16216 \noindent\@extratitle\next@tpage\cleardoubleemptypage

```



```

16217     \thispagestyle{empty}%
16218 \fi
16219 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16220 \ifx\@titlehead\@empty \else
16221     \begin{minipage}[t]{\textwidth}%
16222     \@titlehead
16223     \end{minipage}\par
16224 \fi
16225 \null\vfill
16226 \begin{center}
16227     \ifx\@subject\@empty \else
16228         {\subject@font \@subject \par}%
16229         \vskip 3em
16230     \fi
16231     {\titlefont\huge \@title\par}%
16232     \vskip 1em
16233 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16234     \vskip 2em
16235     {\Large \lineskip 0.75em
16236     \begin{tabular}[t]{c}
16237         \@author
16238     \end{tabular}\par
16239     }%
16240     \vskip 1.5em
16241     {\Large \@date \par}%
16242     \vskip \z@ \@plus3fill
16243     {\Large \@publishers \par}%
16244     \vskip 3em
16245 \end{center}\par
16246 \@thanks
16247 \vfill\null
16248 \if@twoside\next@tpage
16249     \begin{minipage}[t]{\textwidth}
16250         \@uppertitleback
16251     \end{minipage}\par
16252     \vfill
16253     \begin{minipage}[b]{\textwidth}
16254         \@lowertitleback
16255     \end{minipage}
16256 \fi
16257 \ifx\@dedication\@empty \else
16258     \next@tpage\null\vfill
16259     {\centering \Large \@dedication \par}%
16260     \vskip \z@ \@plus3fill
16261     \if@twoside \next@tpage\cleardoubleemptypage \fi
16262 \fi
16263 \end{titlepage}
16264 \else
16265     \par
16266     \@tempcnta=%

```



```

16267 #1%
16268 \relax\ifnum\@tempcnta=1\else
16269   \ClassWarning{\KOMAClassName}{%
16270     Optional argument of \string\maketitle\space ignored
16271     at\MessageBreak
16272     notitlepage-mode%
16273   }%
16274 \fi
16275 \begingroup
16276   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16277   \let\@oldmakefnmark\@makefnmark
16278   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16279   \if@twocolumn
16280     \ifnum \col@number=\@one
16281       \@maketitle
16282     \else
16283       \twocolumn[\@maketitle]%
16284     \fi
16285   \else
16286     \newpage
16287     \global\@topnum\z@
16288     \@maketitle
16289   \fi
16290   \thispagestyle{\titlepagestyle}\@thanks
16291 \endgroup
16292 \fi
16293 \setcounter{footnote}{0}%
16294 \let\thanks\relax
16295 \let\LTRthanks\relax
16296 \let\RTLthanks\relax
16297 \let\maketitle\relax
16298 \let\@maketitle\relax
16299 \global\let\@thanks\@empty
16300 \global\let\@author\@empty
16301 \global\let\@date\@empty
16302 \global\let\@title\@empty
16303 \global\let\@subtitle\@empty
16304 \global\let\@extratitle\@empty
16305 \global\let\@titlehead\@empty
16306 \global\let\@subject\@empty
16307 \global\let\@publishers\@empty
16308 \global\let\@uppertitleback\@empty
16309 \global\let\@lowertitleback\@empty
16310 \global\let\@dedication\@empty
16311 \global\let\author\relax
16312 \global\let\title\relax
16313 \global\let\extratitle\relax
16314 \global\let\titlehead\relax
16315 \global\let\subject\relax
16316 \global\let\publishers\relax

```




```

16317 \global\let\uppertitleback\relax
16318 \global\let\lowertitleback\relax
16319 \global\let\dedication\relax
16320 \global\let\date\relax
16321 \global\let\and\relax
16322 }%
16323 \renewcommand*{\@maketitle}{%
16324 \clearpage
16325 \let\footnote\thanks
16326 \let\LTRfootnote\LTRthanks
16327 \let\RTLfootnote\RTLthanks
16328 \ifx\@extratitle\@empty \else
16329 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16330 \fi
16331 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16332 \ifx\@titlehead\@empty \else
16333 \begin{minipage}[t]{\textwidth}
16334 \@titlehead
16335 \end{minipage}\par
16336 \fi
16337 \null
16338 \vskip 2em%
16339 \begin{center}%
16340 \ifx\@subject\@empty \else
16341 {\subject@font \@subject \par}
16342 \vskip 1.5em
16343 \fi
16344 {\titlefont\huge \@title \par}%
16345 \vskip .5em
16346 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16347 \vskip 1em
16348 {\Large
16349 \lineskip .5em%
16350 \begin{tabular}[t]{c}
16351 \@author
16352 \end{tabular}\par
16353 }%
16354 \vskip 1em%
16355 {\Large \@date \par}%
16356 \vskip \z@ \@plus 1em
16357 {\Large \@publishers \par}
16358 \ifx\@dedication\@empty \else
16359 \vskip 2em
16360 {\Large \@dedication \par}
16361 \fi
16362 \end{center}%
16363 \par
16364 \vskip 2em
16365 }%
16366 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}

```



```

16367 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16368 \renewcommand*\thesection{%
16369   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16370     \if@mainmatter\thechapter\@SepMark\fi
16371   \else
16372     \thechapter\@SepMark%
16373   \fi
16374   \@arabic\c@section
16375 }
16376 \renewcommand*\thesubsection{\the\thesection\@SepMark\@arabic\c@subsection}
16377 \renewcommand*\thesubsubsection{%
16378   \thesubsection\@SepMark\@arabic\c@subsubsection
16379 }
16380 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16381 \renewcommand*\thesubparagraph{%
16382   \theparagraph\@SepMark\@arabic\c@subparagraph
16383 }
16384 \renewcommand*\thefigure{%
16385   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16386     \if@mainmatter\thechapter\@SepMark\fi
16387   \else
16388     \thechapter\@SepMark%
16389   \fi
16390   \@arabic\c@figure
16391 }
16392 \renewcommand*\thetable{%
16393   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16394     \if@mainmatter\thechapter\@SepMark\fi
16395   \else
16396     \thechapter\@SepMark%
16397   \fi
16398   \@arabic\c@table
16399 }
16400 \renewcommand*\theequation{%
16401   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16402     \if@mainmatter\thechapter\@SepMark\fi
16403   \else
16404     \thechapter\@SepMark%
16405   \fi
16406   \@arabic\c@equation
16407 }
16408 \renewenvironment{thebibliography}[1]{%
16409   \if@bib@break@
16410     \bib@beginhook
16411   \else
16412     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16413       \setchapterpreamble{\bibpreamble}%
16414     \fi\fi
16415     \bib@heading
16416     \bib@beginhook

```



```

16417 \bib@before@hook
16418 \fi
16419 \renewcommand{\BreakBibliography}[1]{%
16420 \@bib@break
16421 \end{thebibliography}%
16422 \begingroup ##1\endgroup
16423 \begin{thebibliography}{#1}
16424 }%
16425 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16426 \list{%
16427 \@biblabel{\@arabic\c@enumiv}%
16428 }{%
16429 \settowidth\labelwidth{\@biblabel{#1}}%
16430 \leftmargin\labelwidth
16431 \advance\leftmargin\labelsep
16432 \@openbib@code
16433 \if@bib@break@
16434 \edef\@tempa{%
16435 \noexpand\usecounter{enumiv}%
16436 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16437 }\@tempa
16438 \no@bib@break
16439 \else
16440 \usecounter{enumiv}%
16441 \fi
16442 \let\p@enumiv\@empty
16443 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16444 }%
16445 \sloppy\clubpenalty4000 \widowpenalty4000
16446 \sfcode`\.=\@m
16447 }{%
16448 \if@bib@break@
16449 \def\@noitemerr{%
16450 \@latex@warning{%
16451 \string\BreakBibliography\space at begin of `thebibliography'
16452 environment\MessageBreak
16453 or following \string\BreakBibliography}%
16454 }%
16455 \else
16456 \def\@noitemerr{%
16457 \@latex@warning{%
16458 Empty `thebibliography' environment or
16459 \string\BreakBibliography\MessageBreak
16460 before end of `thebibliography' environment}%
16461 }%
16462 \fi
16463 \endlist
16464 \if@bib@break@
16465 \else
16466 \bib@after@hook

```



```

16467 \let\bib@before@hook\@empty
16468 \let\bib@after@hook\@empty
16469 \fi
16470 \bib@endhook
16471 }
16472 \renewcommand*\left@footnoterule{%
16473 \kern-3\p@
16474 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16475 \hrule\@width.4\columnwidth
16476 \kern 2.6\p@}
16477 \renewcommand*\right@footnoterule{%
16478 \kern-3\p@
16479 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16480 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16481 \kern2.6\p@}
16482 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16483 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16484 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16485 \renewcommand\marginline[1]{%
16486 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16487 }
16488 \renewcommand{\@@makecaption}[3]{%
16489 \cap@margin
16490 \ifonelinecaptions
16491 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16492 \let\scr@tmp@footnotetext=\@footnotetext
16493 \let\@footnotetext=\@gobble
16494 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16495 \let\@LTRfootnotetext=\@gobble
16496 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16497 \let\@RTLfootnotetext=\@gobble
16498 \sbox\@tempboxa{%
16499 {\capfont{\strut\ignorespaces
16500 #1{\caplabelfont{#2\captionformat}}}%
16501 #3\unskip\strut}}%
16502 }%
16503 \let\@footnotetext=\scr@tmp@footnotetext
16504 \let\scr@tmp@footnotetext=\undefined
16505 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16506 \let\scr@tmp@LTRfootnotetext=\undefined
16507 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16508 \let\scr@tmp@RTLfootnotetext=\undefined
16509 \setcounter{footnote}{\@tempcntb}%
16510 \setcounter{mpfootnote}{\@tempcnta}%
16511 \else
16512 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16513 \fi
16514 \begingroup%
16515 \setlength{\@tempdima}{\cap@width}%
16516 \ifdim \wd\@tempboxa >\@tempdima

```



```

16517 \hb@xt@\hsize{%
16518 \setbox\@tempboxa\vbox{\hsize=\cap@width
16519 \ifdofullc@p
16520 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16521 #1{\caplabelfont{#2\captionformat}}}}}%
16522 {#3\unskip\strut\par}}}%
16523 \else%
16524 \ifdim\cap@indent<\z@
16525 {\capfont{\strut\ignorespaces
16526 #1{\caplabelfont{#2\captionformat\par}}}%
16527 \noindent\hspace*{-\cap@indent}{#3\unskip\strut\par}}%
16528 \else%
16529 \if@capbreak
16530 {\capfont{\strut\ignorespaces
16531 #1{\caplabelfont{#2\captionformat\par}}}%
16532 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16533 \else
16534 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
16535 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16536 {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
16537 \fi
16538 \fi
16539 \fi
16540 }%
16541 \setlength{\@tempdima}{\ht\@tempboxa}%
16542 \addtolength{\@tempdima}{\dp\@tempboxa}%
16543 \addtolength{\@tempdima}{-\ht\strutbox}%
16544 \ht\@tempboxa\ht\strutbox
16545 \dp\@tempboxa\@tempdima
16546 \strut\cap@left
16547 \box\@tempboxa
16548 \cap@right\strut
16549 }%
16550 \else
16551 \global \@minipagefalse
16552 \sbox\@tempboxa{%
16553 {\capfont{\scr@smashdp{\strut\ignorespaces
16554 #1{\caplabelfont{#2\captionformat}}}}}%
16555 #3}}%
16556 }%
16557 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
16558 \fi
16559 \endgroup
16560 }
16561 \renewcommand{\@makecaption}[2]{%
16562 \if@captionabove
16563 \vskip\belowcaptionskip
16564 \else
16565 \vskip\abovecaptionskip
16566 \fi

```



```

16567 \@@makecaption\@firstofone{#1}{#2}%
16568 \if@captionabove
16569 \vskip\abovecaptionskip
16570 \else
16571 \vskip\belowcaptionskip
16572 \fi
16573 }
16574 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16575 \@ifpackageloaded{caption2}{\@komalongtablefalse
16576 \scr@caption@before@longtable@warning{caption2}%
16577 }{}%
16578 \if@komalongtable
16579 \renewcommand{\LT@makecaption}[3]{%
16580 \noalign{%
16581 \if@captionabove
16582 \vskip\belowcaptionskip
16583 \else
16584 \vskip\abovecaptionskip
16585 \fi
16586 }%
16587 \LT@mcol\LT@cols c{%
16588 \hbox to\z@{\hss\parbox[t]{linewidth{%
16589 \@@makecaption{#1}{#2}{#3}%
16590 \endgraf
16591 \if@captionabove
16592 \vskip\abovecaptionskip
16593 \else
16594 \vskip\belowcaptionskip
16595 \fi
16596 }%
16597 \hss
16598 }%
16599 }%
16600 }%
16601 \renewcommand*{\scr@LT@array}{}%
16602 \let\scr@LT@array=\LT@array
16603 \renewcommand*{\LT@array}{%
16604 \let\scr@caption=\LT@caption
16605 \def\captionabove{\noalign{\global\@captionabovetrue}%
16606 \scr@caption}%
16607 \def\captionbelow{\noalign{\global\@captionabovetrue}%
16608 \scr@caption}%
16609 \if@tablecaptionabove
16610 \let\LT@caption=\captionabove
16611 \else
16612 \let\LT@caption=\captionbelow
16613 \fi
16614 \scr@LT@array
16615 }%
16616 \ClassInfo{KOMAClassName}{%

```



```

16617     longtable captions redefined%
16618 }%
16619 \fi
16620 }
16621
16622 \CloneTOCEntryStyle{tocline}{part}
16623 \TOCEntryStyleStartInitCode{part}{%
16624   \expandafter\renewcommand%
16625   \csname scr@tso@#1@linefill\endcsname{\hfill}%
16626   \expandafter\renewcommand%
16627   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16628   \expandafter\renewcommand%
16629   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16630     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16631   \expandafter\renewcommand\expandafter*%
16632   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
16633 }
16634
16635 \CloneTOCEntryStyle{tocline}{chapter}
16636 \TOCEntryStyleStartInitCode{chapter}{%
16637   \expandafter\renewcommand%
16638   \csname scr@tso@#1@linefill\endcsname{%
16639     \ifchapterentrywithdots
16640       \TOCLineLeaderFill\relax
16641     \else
16642       \hfill
16643     \fi
16644   }%
16645   \expandafter\renewcommand%
16646   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
16647   \expandafter\renewcommand%
16648   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16649     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
16650   \expandafter\renewcommand\expandafter*%
16651   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16652 }
16653
16654 \CloneTOCEntryStyle{tocline}{section}
16655 \TOCEntryStyleStartInitCode{section}{%
16656   \expandafter\renewcommand%
16657   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16658 }
16659
16660 \CloneTOCEntryStyle{section}{default}
16661
16662 \DeclareSectionCommand[%
16663   style=part,%
16664   level=\m@ne,%
16665   pagestyle=plain,%
16666   tocstyle=part,%

```



```

16667 toplevel=\m@ne,%
16668 tocindent=\z@,%
16669 tocnumwidth=2em%
16670 ]{part}
16671 \DeclareSectionCommand[%
16672   style=chapter,%
16673   level=\z@,%
16674   pagestyle=plain,%
16675   tocstyle=chapter,%
16676   tocindent=\z@,%
16677   tocnumwidth=1.5em%
16678 ]{chapter}
16679 \DeclareSectionCommand[%
16680   style=section,%
16681   level=1,%
16682   indent=\z@,%
16683   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
16684   afterskip=2.3ex \@plus .2ex,%
16685   tocstyle=section,%
16686   tocindent=1.5em,%
16687   tocnumwidth=2.3em%
16688 ]{section}
16689 \DeclareSectionCommand[%
16690   style=section,%
16691   level=2,%
16692   indent=\z@,%
16693   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
16694   afterskip=1.5ex \@plus .2ex,%
16695   tocstyle=section,%
16696   tocindent=3.8em,%
16697   tocnumwidth=3.2em%
16698 ]{subsection}
16699 \DeclareSectionCommand[%
16700   style=section,%
16701   level=3,%
16702   indent=\z@,%
16703   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
16704   afterskip=1.5ex \@plus .2ex,%
16705   tocstyle=section,%
16706   tocindent=7.0em,%
16707   tocnumwidth=4.1em%
16708 ]{subsubsection}
16709 \DeclareSectionCommand[%
16710   style=section,%
16711   level=4,%
16712   indent=\z@,%
16713   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
16714   afterskip=-1em,%
16715   tocstyle=section,%
16716   tocindent=10em,%

```




```

16717 tocnumwidth=5em%
16718 ]{paragraph}
16719 \DeclareSectionCommand[%
16720   style=section,%
16721   level=5,%
16722   indent=\scr@parindent,%
16723   beforekip=3.25ex \@plus1ex \@minus .2ex,%
16724   afterskip=-1em,%
16725   tocstyle=section,%
16726   tocindent=12em,%
16727   tocnumwidth=6em%
16728 ]{subparagraph}
16729
16730

```

7.103 scrlettr-xetex-bidi.def

```

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

```



```

16764 \ifx\varmyref\@empty \else \@reftrue \fi
16765 \ifx\varcustomer\@empty \else \@reftrue \fi
16766 \ifx\varinvoice\@empty \else \@reftrue \fi
16767 \ifx\varrefitemi\@empty \else \@reftrue \fi
16768 \ifx\varrefitemii\@empty \else \@reftrue \fi
16769 \ifx\varrefitemiii\@empty \else \@reftrue \fi
16770 \vskip -\parskip
16771 \vskip \refvskip
16772 \if@ref
16773 \ifx\varyourref\@empty \else
16774 \settowidth{\sc@temp}{\varyourref}
16775 \setbox0\hbox{\scriptsize \sf \yourrefname}
16776 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
16777 \parbox[t]{\sc@temp}{\noindent \box0\par \varyourref}\hfill
16778 \fi
16779 \ifx\varyourmail\@empty \else
16780 \settowidth{\sc@temp}{\varyourmail}
16781 \setbox0\hbox{\scriptsize \sf \yourmailname}
16782 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
16783 \parbox[t]{\sc@temp}{\noindent \box0\par \varyourmail}\hfill
16784 \fi
16785 \ifx\varmyref\@empty \else
16786 \settowidth{\sc@temp}{\varmyref}
16787 \setbox0\hbox{\scriptsize \sf \myrefname}
16788 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
16789 \parbox[t]{\sc@temp}{\noindent \box0\par \varmyref}\hfill
16790 \fi
16791 \ifx\varcustomer\@empty \else
16792 \settowidth{\sc@temp}{\varcustomer}
16793 \setbox0\hbox{\scriptsize \sf \customername}
16794 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
16795 \parbox[t]{\sc@temp}{\noindent \box0\par \varcustomer}\hfill
16796 \fi
16797 \ifx\varinvoice\@empty \else
16798 \settowidth{\sc@temp}{\varinvoice}
16799 \setbox0\hbox{\scriptsize \sf \invoicename}
16800 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
16801 \parbox[t]{\sc@temp}{\noindent \box0\par \varinvoice}\hfill
16802 \fi
16803 \ifx\varrefitemi\@empty \else
16804 \settowidth{\sc@temp}{\varrefitemi}
16805 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
16806 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
16807 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemi}\hfill
16808 \fi
16809 \ifx\varrefitemii\@empty \else
16810 \settowidth{\sc@temp}{\varrefitemii}
16811 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
16812 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
16813 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemii}\hfill

```



```

16814 \fi
16815 \ifx\varrefitemiii\@empty \else
16816 \settowidth{\sc@temp}{\varrefitemiii}
16817 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
16818 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
16819 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemiii}\hfill
16820 \fi
16821 \ifx\@date\@empty \else
16822 \settowidth{\sc@temp}{\@date}
16823 \setbox0\hbox{\scriptsize \sf \datename}
16824 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
16825 \parbox[t]{\sc@temp}{\noindent \box0\par \@date}
16826 \fi
16827 \par
16828 \vspace{2.5\baselineskip}
16829 \else
16830 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
16831 \vspace{1.5\baselineskip}
16832 \fi}
16833 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
16834 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
16835 -\sigindent \hspace{\sigindent}%
16836 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\[\presig@ski
16837 \fromsig\strut}\par
16838 \vspace{1.5\baselineskip}}

```

7.104 scrreprt-xetex-bidi.def

```

16839 \ProvidesFile{scrreprt-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrreprt class for X
16840 \newcommand{\scr@saved@LTRfootnotetext}{}
16841 \newcommand{\scr@saved@RTLfootnotetext}{}
16842 \let\scr@saved@footnotetext\@footnotetext
16843 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16844 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16845 \renewcommand{\@footnotetext}[1]{%
16846 \scr@saved@footnotetext{#1}%
16847 \csname FN@mfp@prepare\endcsname
16848 }
16849 \renewcommand{\@LTRfootnotetext}[1]{%
16850 \scr@saved@LTRfootnotetext{#1}%
16851 \csname FN@mfp@prepare\endcsname
16852 }
16853 \renewcommand{\@RTLfootnotetext}[1]{%
16854 \scr@saved@RTLfootnotetext{#1}%
16855 \csname FN@mfp@prepare\endcsname
16856 }
16857 \renewcommand\deffootnote[4][1]{%
16858 \long\def\@makefntext##1{%
16859 \setlength{\@tempdimc}{#3}%
16860 \def\@tempa{#1}\ifx\@tempa\@empty

```



```

16861 \setpar{\@par
16862 \tempdima = \hsize
16863 \addtolength{\tempdima}{-#2}%
16864 \ifRTL\parshape \@ne Opt \tempdima\else\parshape \@ne #2 \tempdima\fi}%
16865 \else
16866 \addtolength{\tempdimc}{#2}%
16867 \addtolength{\tempdimc}{-#1}%
16868 \setpar{\@par
16869 \tempdima = \hsize
16870 \addtolength{\tempdima}{-#1}%
16871 \tempdimb = \hsize
16872 \addtolength{\tempdimb}{-#2}%
16873 \ifRTL\parshape \tw@ Opt \tempdima Opt \tempdimb\else\parshape \tw@ #1 \tempdima #2 \@t
16874 }%
16875 \fi
16876 \par
16877 \parindent\tempdimc\noindent
16878 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16879 }%
16880 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16881 }
16882 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16883 \renewcommand*\left@footnoterule{%
16884 \normalsize\ftn@rule@test@values
16885 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16886 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16887 {\usekomafont{footnoterule}{%
16888 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16889 \kern 2.6\p@}
16890 \renewcommand*\right@footnoterule{%
16891 \normalsize\ftn@rule@test@values
16892 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16893 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16894 {\usekomafont{footnoterule}{%
16895 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16896 \kern 2.6\p@}
16897 \renewcommand*\maketitle[1][1]{%
16898 \if@titlepage
16899 \begin{titlepage}
16900 \setcounter{page}{%
16901 #1%
16902 }%
16903 \let\footnotesize\small
16904 \let\right@footnoterule\relax
16905 \let\left@footnoterule\relax
16906 \let\textwidth@footnoterule\relax
16907 \let\footnote\thanks
16908 \let\LTRfootnote\LTRthanks
16909 \let\RTLfootnote\RTLthanks
16910 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%

```



```

16911 \let\@oldmakefnmark\@makefnmark
16912 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
16913 \ifx\@extratitle\@empty \else
16914 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16915 \thispagestyle{empty}%
16916 \fi
16917 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16918 \ifx\@titlehead\@empty \else
16919 \begin{minipage}[t]{\textwidth}%
16920 \@titlehead
16921 \end{minipage}\par
16922 \fi
16923 \null\vfill
16924 \begin{center}
16925 \ifx\@subject\@empty \else
16926 {\subject@font \@subject \par}%
16927 \vskip 3em
16928 \fi
16929 {\titlefont\huge \@title\par}%
16930 \vskip 1em
16931 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16932 \vskip 2em
16933 {\Large \lineskip 0.75em
16934 \begin{tabular}[t]{c}
16935 \@author
16936 \end{tabular}\par
16937 }%
16938 \vskip 1.5em
16939 {\Large \@date \par}%
16940 \vskip \z@ \@plus3fill
16941 {\Large \@publishers \par}%
16942 \vskip 3em
16943 \end{center}\par
16944 \@thanks
16945 \vfill\null
16946 \if@twoside\next@tpage
16947 \begin{minipage}[t]{\textwidth}
16948 \@uppertitleback
16949 \end{minipage}\par
16950 \vfill
16951 \begin{minipage}[b]{\textwidth}
16952 \@lowertitleback
16953 \end{minipage}
16954 \fi
16955 \ifx\@dedication\@empty \else
16956 \next@tpage\null\vfill
16957 {\centering \Large \@dedication \par}%
16958 \vskip \z@ \@plus3fill
16959 \if@twoside \next@tpage\cleardoubleemptypage \fi
16960 \fi

```



```

16961 \end{titlepage}
16962 \else
16963 \par
16964 \@tempcnta=%
16965 #1%
16966 \relax\ifnum\@tempcnta=1\else
16967 \ClassWarning{\KOMAClassName}{%
16968 Optional argument of \string\maketitle\space ignored
16969 at\MessageBreak
16970 notitlepage-mode%
16971 }%
16972 \fi
16973 \begingroup
16974 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16975 \let\@oldmakefnmark\@makefnmark
16976 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16977 \if@twocolumn
16978 \ifnum \col@number=\@one
16979 \maketitle
16980 \else
16981 \twocolumn[\maketitle]%
16982 \fi
16983 \else
16984 \newpage
16985 \global\let\topnum\z@
16986 \maketitle
16987 \fi
16988 \thispagestyle{\titlepagestyle}\@thanks
16989 \endgroup
16990 \fi
16991 \setcounter{footnote}{0}%
16992 \let\thanks\relax
16993 \let\LTRthanks\relax
16994 \let\RTLthanks\relax
16995 \let\maketitle\relax
16996 \let\@maketitle\relax
16997 \global\let\@thanks\@empty
16998 \global\let\@author\@empty
16999 \global\let\@date\@empty
17000 \global\let\@title\@empty
17001 \global\let\@subtitle\@empty
17002 \global\let\@extratitle\@empty
17003 \global\let\@titlehead\@empty
17004 \global\let\@subject\@empty
17005 \global\let\@publishers\@empty
17006 \global\let\@uppertitleback\@empty
17007 \global\let\@lowertitleback\@empty
17008 \global\let\@dedication\@empty
17009 \global\let\author\relax
17010 \global\let\title\relax

```



```

17011 \global\let\extratitle\relax
17012 \global\let\titlehead\relax
17013 \global\let\subject\relax
17014 \global\let\publishers\relax
17015 \global\let\uppertitleback\relax
17016 \global\let\lowertitleback\relax
17017 \global\let\dedication\relax
17018 \global\let\date\relax
17019 \global\let\and\relax
17020 }%
17021 \renewcommand*{\@maketitle}{%
17022 \clearpage
17023 \let\footnote\thanks
17024 \let\LTRfootnote\LTRthanks
17025 \let\RTLfootnote\RTLthanks
17026 \ifx\@extratitle\@empty \else
17027 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17028 \fi
17029 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17030 \ifx\@titlehead\@empty \else
17031 \begin{minipage}[t]{\textwidth}
17032 \@titlehead
17033 \end{minipage}\par
17034 \fi
17035 \null
17036 \vskip 2em%
17037 \begin{center}%
17038 \ifx\@subject\@empty \else
17039 {\subject@font \@subject \par}
17040 \vskip 1.5em
17041 \fi
17042 {\titlefont\huge \@title \par}%
17043 \vskip .5em
17044 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17045 \vskip 1em
17046 {\Large
17047 \lineskip .5em%
17048 \begin{tabular}[t]{c}
17049 \@author
17050 \end{tabular}\par
17051 }%
17052 \vskip 1em%
17053 {\Large \@date \par}%
17054 \vskip \z@ \@plus 1em
17055 {\Large \@publishers \par}
17056 \ifx\@dedication\@empty \else
17057 \vskip 2em
17058 {\Large \@dedication \par}
17059 \fi
17060 \end{center}%

```



```

17061 \par
17062 \vskip 2em
17063 }%
17064 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17065 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17066 \renewcommand*\thesection{%
17067   \thechapter\@SepMark%
17068   \@arabic\c@section
17069 }
17070 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17071 \renewcommand*\thesubsubsection{%
17072   \thesubsection\@SepMark\@arabic\c@subsubsection
17073 }
17074 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17075 \renewcommand*\thesubparagraph{%
17076   \theparagraph\@SepMark\@arabic\c@subparagraph
17077 }
17078 \renewcommand*\thefigure{%
17079   \thechapter\@SepMark%
17080   \@arabic\c@figure
17081 }
17082 \renewcommand*\thetable{%
17083   \thechapter\@SepMark%
17084   \@arabic\c@table
17085 }
17086 \renewcommand*\theequation{%
17087   \thechapter\@SepMark%
17088   \@arabic\c@equation
17089 }
17090 \renewenvironment{thebibliography}[1]{%
17091   \if@bib@break@
17092     \bib@beginhook
17093   \else
17094     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17095       \setchapterpreamble{\bibpreamble}%
17096     \fi\fi
17097     \bib@heading
17098     \bib@beginhook
17099     \bib@before@hook
17100   \fi
17101   \renewcommand{\BreakBibliography}[1]{%
17102     \@bib@break
17103     \end{thebibliography}%
17104     \begingroup ##1\endgroup
17105     \begin{thebibliography}{#1}
17106   }%
17107   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17108   \list{%
17109     \@biblabel{\@arabic\c@enumiv}%
17110   }{%

```




```

17111 \settowidth\labelwidth{\@biblabel{#1}}%
17112 \leftmargin\labelwidth
17113 \advance\leftmargin\labelsep
17114 \@openbib@code
17115 \if@bib@break@
17116 \edef\@tempa{%
17117 \noexpand\usecounter{enumiv}%
17118 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17119 }\@tempa
17120 \no@bib@break
17121 \else
17122 \usecounter{enumiv}%
17123 \fi
17124 \let\p@enumiv\@empty
17125 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17126 }%
17127 \sloppy\clubpenalty4000 \widowpenalty4000
17128 \sfcode`\.=\@m
17129 }{%
17130 \if@bib@break@
17131 \def\@noitemerr{%
17132 \@latex@warning{%
17133 \string\BreakBibliography\space at begin of `thebibliography'
17134 environment\MessageBreak
17135 or following \string\BreakBibliography}%
17136 }%
17137 \else
17138 \def\@noitemerr{%
17139 \@latex@warning{%
17140 Empty `thebibliography' environment or
17141 \string\BreakBibliography\MessageBreak
17142 before end of `thebibliography' environment}%
17143 }%
17144 \fi
17145 \endlist
17146 \if@bib@break@
17147 \else
17148 \bib@after@hook
17149 \let\bib@before@hook\@empty
17150 \let\bib@after@hook\@empty
17151 \fi
17152 \bib@endhook
17153 }
17154 \renewcommand*\left@footnoterule{%
17155 \kern-3\p@
17156 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17157 \hrule\@width.4\columnwidth
17158 \kern 2.6\p@}
17159 \renewcommand*\right@footnoterule{%
17160 \kern-3\p@

```



```

17161 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17162 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17163 \kern2.6\p@}
17164 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17165 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17166 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17167 \renewcommand\marginline[1]{%
17168 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17169 }
17170 \renewcommand{\@makecaption}[3]{%
17171 \cap@margin
17172 \ifonelinecaptions
17173 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17174 \let\scr@tmp@footnotetext=\@footnotetext
17175 \let\@footnotetext=\@gobble
17176 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17177 \let\@LTRfootnotetext=\@gobble
17178 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17179 \let\@RTLfootnotetext=\@gobble
17180 \sbox\@tempboxa{%
17181 {\capfont{\strut\ignorespaces
17182 #1{\caplabelfont{#2\captionformat}}}%
17183 #3\unskip\strut}}%
17184 }%
17185 \let\@footnotetext=\scr@tmp@footnotetext
17186 \let\scr@tmp@footnotetext=undefined
17187 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17188 \let\scr@tmp@LTRfootnotetext=undefined
17189 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17190 \let\scr@tmp@RTLfootnotetext=undefined
17191 \setcounter{footnote}{\@tempcntb}%
17192 \setcounter{mpfootnote}{\@tempcnta}%
17193 \else
17194 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17195 \fi
17196 \begingroup%
17197 \setlength{\@tempdima}{\cap@width}%
17198 \ifdim \wd\@tempboxa >\@tempdima
17199 \hb@xt@\hsize{%
17200 \setbox\@tempboxa\vbox{\hsize=\cap@width
17201 \ifdofullc@p
17202 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17203 #1{\caplabelfont{#2\captionformat}}}}}%
17204 {\#3\unskip\strut\par}}}%
17205 \else%
17206 \ifdim\cap@indent<\z@
17207 {\capfont{\strut\ignorespaces
17208 #1{\caplabelfont{#2\captionformat\par}}}%
17209 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
17210 \else%

```



```

17211         \if@capbreak
17212         {\capfont{\strut\ignorespaces
17213         #1{\caplabelfont{#2\captionformat\par}}}%
17214         \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17215         \else
17216         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17217         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17218         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17219         \fi
17220     \fi
17221     \fi
17222     }%
17223     \setlength{\@tempdima}{\ht\@tempboxa}%
17224     \addtolength{\@tempdima}{\dp\@tempboxa}%
17225     \addtolength{\@tempdima}{-\ht\strutbox}%
17226     \ht\@tempboxa\ht\strutbox
17227     \dp\@tempboxa\@tempdima
17228     \strut\cap@left
17229     \box\@tempboxa
17230     \cap@right\strut
17231     }%
17232 \else
17233     \global \@minipagefalse
17234     \sbox\@tempboxa{%
17235     {\capfont{\scr@smashdp{\strut\ignorespaces
17236     #1{\caplabelfont{#2\captionformat}}}}%
17237     #3}}}%
17238     }%
17239     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}%
17240     \fi
17241 \endgroup
17242 }
17243 \renewcommand{\@makecaption}[2]{%
17244 \if@captionabove
17245     \vskip\belowcaptionskip
17246 \else
17247     \vskip\abovecaptionskip
17248 \fi
17249 \@@makecaption\@firstofone{#1}{#2}%
17250 \if@captionabove
17251     \vskip\abovecaptionskip
17252 \else
17253     \vskip\belowcaptionskip
17254 \fi
17255 }
17256 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17257 \@ifpackageloaded{caption2}{\@komalongtablefalse
17258 \scr@caption@before@longtable@warning{caption2}}%
17259 }{}%
17260 \if@komalongtable

```



```

17261 \renewcommand{\LT@makecaption}[3]{%
17262   \noalign{%
17263     \if@captionabove
17264       \vskip\belowcaptionskip
17265     \else
17266       \vskip\abovecaptionskip
17267     \fi
17268   }%
17269   \LT@mcol\LT@cols c{%
17270     \hbox to\z@{\hss\parbox[t]{linewidth{%
17271       \@@makecaption{#1}{#2}{#3}%
17272     \endgraf
17273     \if@captionabove
17274       \vskip\abovecaptionskip
17275     \else
17276       \vskip\belowcaptionskip
17277     \fi
17278   }%
17279   \hss
17280 }%
17281 }%
17282 }%
17283 \renewcommand*{\scr@LT@array}{}%
17284 \let\scr@LT@array=\LT@array
17285 \renewcommand*{\LT@array}{%
17286   \let\scr@caption=\LT@caption
17287   \def\captionabove{\noalign{\global\@captionabovetrue}%
17288     \scr@caption}%
17289   \def\captionbelow{\noalign{\global\@captionabovefalse}%
17290     \scr@caption}%
17291   \if@tablecaptionabove
17292     \let\LT@caption=\captionabove
17293   \else
17294     \let\LT@caption=\captionbelow
17295   \fi
17296   \scr@LT@array
17297 }%
17298 \ClassInfo{\KOMAClassName}{%
17299   longtable captions redefined%
17300 }%
17301 \fi
17302 }
17303
17304 \CloneTOCEntryStyle{tocline}{part}
17305 \TOCEntryStyleStartInitCode{part}{%
17306   \expandafter\renewcommand%
17307   \csname scr@tso@#1@linefill\endcsname{\hfill}%
17308   \expandafter\renewcommand%
17309   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{#1}}%
17310   \expandafter\renewcommand%

```



```

17311 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17312   \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17313   \expandafter\renewcommand\expandafter*%
17314   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17315 }
17316
17317 \CloneTOCEntryStyle{tocline}{chapter}
17318 \TOCEntryStyleStartInitCode{chapter}{%
17319   \expandafter\renewcommand%
17320   \csname scr@tso@#1@linefill\endcsname{%
17321     \ifchapterentrywithdots
17322       \TOCLineLeaderFill\relax
17323     \else
17324       \hfill
17325     \fi
17326   }%
17327   \expandafter\renewcommand%
17328   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
17329   \expandafter\renewcommand%
17330   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17331     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17332   \expandafter\renewcommand\expandafter*%
17333   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17334 }
17335
17336 \CloneTOCEntryStyle{tocline}{section}
17337 \TOCEntryStyleStartInitCode{section}{%
17338   \expandafter\renewcommand%
17339   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17340 }
17341
17342 \CloneTOCEntryStyle{section}{default}
17343
17344 \DeclareSectionCommand[%
17345   style=part,%
17346   level=\m@ne,%
17347   pagestyle=plain,%
17348   tocstyle=part,%
17349   toclevel=\m@ne,%
17350   tocindent=\z@,%
17351   tocnumwidth=2em%
17352 ]{part}
17353 \DeclareSectionCommand[%
17354   style=chapter,%
17355   level=\z@,%
17356   pagestyle=plain,%
17357   tocstyle=chapter,%
17358   tocindent=\z@,%
17359   tocnumwidth=1.5em%
17360 ]{chapter}

```



```

17361 \DeclareSectionCommand[%
17362   style=section,%
17363   level=1,%
17364   indent=\z@,%
17365   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17366   afterskip=2.3ex \@plus .2ex,%
17367   tocstyle=section,%
17368   tocindent=1.5em,%
17369   tocnumwidth=2.3em%
17370 ]{section}
17371 \DeclareSectionCommand[%
17372   style=section,%
17373   level=2,%
17374   indent=\z@,%
17375   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17376   afterskip=1.5ex \@plus .2ex,%
17377   tocstyle=section,%
17378   tocindent=3.8em,%
17379   tocnumwidth=3.2em%
17380 ]{subsection}
17381 \DeclareSectionCommand[%
17382   style=section,%
17383   level=3,%
17384   indent=\z@,%
17385   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17386   afterskip=1.5ex \@plus .2ex,%
17387   tocstyle=section,%
17388   tocindent=7.0em,%
17389   tocnumwidth=4.1em%
17390 ]{subsubsection}
17391 \DeclareSectionCommand[%
17392   style=section,%
17393   level=4,%
17394   indent=\z@,%
17395   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17396   afterskip=-1em,%
17397   tocstyle=section,%
17398   tocindent=10em,%
17399   tocnumwidth=5em%
17400 ]{paragraph}
17401 \DeclareSectionCommand[%
17402   style=section,%
17403   level=5,%
17404   indent=\scr@parindent,%
17405   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17406   afterskip=-1em,%
17407   tocstyle=section,%
17408   tocindent=12em,%
17409   tocnumwidth=6em%
17410 ]{subparagraph}

```



17411

17412

7.105 sidecap-xetex-bidi.def

```
17413 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
17414 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
17415   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
17416 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
17417 \renewcommand*{\SC@justify@caption}{\if@RTL%
17418 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
17419   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}
```

7.106 soul-xetex-bidi.def

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



```

17456         \null
17457         \kern-\dimen@i
17458         \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17459     }%
17460     \unhcopy\z@
17461     \fi
17462 }}
17463 \def\ bidi@SOUL@ulleaders{%
17464     \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax
17465 }
17466 \def\SOUL@uleveryspace#1{%
17467     \if@RTL
17468         #1%
17469         \bidi@SOUL@ulleaders
17470         \hskip\spaceskip
17471     \else
17472         \SOUL@ulcolor{%
17473             #1%
17474             \SOUL@ulleaders
17475             \hskip\spaceskip
17476         }%
17477     \fi
17478     \null
17479 }

```

7.107 stabular-xetex-bidi.def

```

17480 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for
17481 \def\@stabular{\if@RTL\@RTLtabtrue\fi
17482     \leavevmode \bgroup \if@RTLtab\beginR \fi
17483     \let\@acol\@tabacol
17484     \let\@classz\@tabclassz
17485     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
17486 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17487     \egroup \if@RTLtab\endR\fi\egroup
17488     \@RTLtabfalse}
17489 \expandafter \let \csname endstabular*\endcsname = \endstabular
17490 \def\@sarray[#1]#2{%
17491     \bgroup
17492     \setbox\@arstrutbox\hbox{%
17493         \vrule \@height\arraystretch\ht\strutbox
17494         \@depth\arraystretch \dp\strutbox
17495         \@width\z@}%
17496     \@mkpream{#2}%
17497     \edef\@preamble{%
17498         \ialign \noexpand\@halignto
17499         \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17500     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17501     \let\@tabularnewline\\%
17502     \let\@sharp##%

```




```

17503 \set@typeset@protect
17504 \lineskip\z@skip\baselineskip\z@skip
17505 \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop \else \vbox \fi\bgroup\fi
17506 \@preamble}

```

7.108 subfigure-xetex-bidi.def

```

17507 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
17508 \AtBeginDocument{%
17509 \let\p@subfigure=\thefigure
17510 \let\p@subtable=\thetable%
17511 }

```

7.109 tabs-xetex-bidi.def

```

17512 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
17513 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
17514 \@RTLtabfalse}
17515
17516 \expandafter\let\csname endtabular*\endcsname=\endtabular
17517
17518 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
17519 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
17520 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
17521
17522 \def\@array[#1]#2{% remember global variables to allow recursion:
17523 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
17524 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
17525 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
17526 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
17527 \else \let\@tarlinesep\tablinesep \fi
17528 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
17529 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
17530 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
17531 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
17532 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@@size
17533 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
17534 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
17535 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
17536 \let\protect\noexpand
17537 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
17538 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
17539 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17540 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
17541 \bgroup \let\par\@empty
17542 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
17543 \advance\extrarulesep.5\arrayrulewidth
17544 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
17545 \if@RTLtab\hbox\bgroup\beginR\if#1t\vtop \else \vbox \fi\bgroup\fi
17546 \@preamble}

```



7.110 tabularx-xetex-bidi.def

```

17547 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
17548 \def\TX@endtabularx{%
17549   \expandafter\expandafter\expandafter
17550     \TX@find@endtabularxa\csname end\TX@\endcsname
17551     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
17552   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
17553   \let\verb\TX@verb
17554   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
17555   \edef\TX@ckpt{\cl@ckpt}%
17556   \let\@elt\relax
17557   \TX@old@table\maxdimen
17558   \TX@col@width\TX@target
17559   \global\TX@cols\@ne
17560   \TX@typeout@
17561     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
17562   \TX@trial{\def\NC@rewrite@X{%
17563     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
17564   \loop
17565     \TX@arith
17566     \ifTX@
17567     \TX@trial{}%
17568   \repeat
17569   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
17570   \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
17571   \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
17572   \csname tabular*\expandafter\endcsname\expandafter\TX@target
17573     \the\toks@
17574   \csname endtabular*\endcsname}%
17575   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
17576   \ifnum0=~{\fi}%
17577   \expandafter\expandafter\expandafter
17578   \TX@find@endtabularxbb
17579   \expandafter\end\expandafter{\TX@}%
17580   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
17581 }
17582
17583 \def\TX@trial#1{%
17584   \setbox\@tempboxa\hbox{%
17585     #1\relax
17586     \let\@footnotetext\TX@trial@ftn
17587     \let\@LTRfootnotetext\TX@trial@ftn
17588     \let\@RTLfootnotetext\TX@trial@ftn
17589     \let\TX@vwarn\@empty
17590     \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
17591     \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
17592     \def\write{\begingroup
17593       \def\let{\afterassignment\endgroup\toks@}%
17594       \afterassignment\let\count@}%

```



```

17595 \hbadness\@M
17596 \hfuzz\maxdimen
17597 \let\hbadness\@tempcnta
17598 \let\hfuzz\@tempdima
17599 \expandafter\tabular\the\toks@
17600 \endtabular}%
17601 \TX@ckpt
17602 \TX@typeout@{\@spaces
17603 \expandafter\TX@align
17604 \the\wd\@tempboxa\space\space\space\space\space\@@
17605 \expandafter\TX@align
17606 \the\TX@colwidth\space\space\space\space\space\@@
17607 \@spaces\the\TX@cols}}
17608
17609 \long\def\TX@LTRftntext#1{%
17610 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
17611 [\the\csname c@\@mpfn\endcsname]}}%
17612 \global\TX@ftn\expandafter{\@tempa{#1}}}%
17613 \long\def\TX@xLTRftntext[#1]#2{%
17614 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
17615
17616 \long\def\TX@RTLftntext#1{%
17617 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
17618 [\the\csname c@\@mpfn\endcsname]}}%
17619 \global\TX@ftn\expandafter{\@tempa{#1}}}%
17620 \long\def\TX@xRTLftntext[#1]#2{%
17621 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

7.111 tabulary-xetex-bidi.def

```

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

```



```

17642     \if \@nextchar @7 \else
17643     \if \@nextchar <8 \else
17644     \if \@nextchar >9 \else
17645     10
17646     \@chnum
17647     \if \@nextchar m\thr@@\else
17648     \if \@nextchar p4 \else
17649     \if \@nextchar b5 \else
17650     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
17651     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

7.112 tc-xetex-bidi.def

```

17652 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
17653 \def\@cliptoboxdim#1{%
17654     \setbox#1=\hbox{%
17655         \Gin@defaultbp\WIDTH{\wd#1}%
17656         \Gin@defaultbp\DEPTH{\dp#1}%
17657         \@tempdima\ht#1%
17658         \advance\@tempdima\dp#1%
17659         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
17660         \beginL\special{pdf:bcontent }%
17661         \special{%
17662             pdf:literal direct
17663             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
17664         }%
17665         \special{pdf:literal direct W }%
17666         \special{pdf:literal direct n }%
17667         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
17668         \special{pdf:econtent }\endL%
17669     }%
17670 }

```

7.113 titlesec-xetex-bidi.def

```

17671 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
17672 \renewcommand\filright{%
17673     \gdef\ttl@filleft##1{\hskip##1}%
17674     \gdef\ttl@filright##1{\hfill}%
17675     \let\\\@centercr
17676     \advance\rightskip\z@ \@plus 1fil
17677     \parfillskip\z@}
17678 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
17679     \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
17680     \setlength\leftskip{#6}%
17681     \setlength\rightskip{#7}%
17682     \interlinepenalty\@M
17683     \ttl@change@centercr
17684     \ttl@begin@longest
17685     #1{\ifhmode\ttl@hmode@error\fi
17686         \ttl@glcmds

```



```

17687 \parindent\z@
17688 \leavevmode
17689 \beginngroup
17690 \ifttl@label
17691 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
17692 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
17693 \llap{\box\z@}%
17694 \fi
17695 #4{#8}%
17696 \kern\z@\strut\@@par
17697 \endgroup
17698 \nobreak\ttl@midlongest#5\@@par}%
17699 \ttl@endlongest}

```

7.114 titletoc-xetex-bidi.def

```

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

```



```

17734 \def\ttl@makeline##1{##1}%
17735 #3%
17736 \addtolength{\parfillskip}{-\ttl@corr}%
17737 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
17738 \let\ttl@leaders\leaders}
17739 \renewcommand\ttl@margin[2][\z@]{%
17740 \def\ttl@corr{#1}%
17741 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
17742 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
17743 \def\@pnumwidth{#2}}
17744 \let\ttl@savel@part\l@part
17745 \def\l@part{\ttl@lselect{part}}
17746
17747 \let\ttl@savel@chapter\l@chapter
17748 \def\l@chapter{\ttl@lselect{chapter}}

```

7.115 tocbibind-xetex-bidi.def

```

17749 \ProvidesFile{tocbibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocbibind package]
17750 \if@dotocbib
17751 \@ifpackageloaded{natbib}{\% natbib not loaded
17752 \renewcommand{\bibsection}{\t@cb@bchapsec}
17753 \renewenvironment{thebibliography}[1]{%
17754 \bibsection
17755 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
17756 \renewenvironment{thebibitemlist}[1]{
17757 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17758 \list{\@biblabel{\@arabic{c@enumiv}}}%
17759 {\settowidth\labelwidth{\@biblabel{#1}}%
17760 \leftmargin\labelwidth
17761 \advance\leftmargin\labelsep
17762 \@openbib@code
17763 \usecounter{enumiv}%
17764 \let\p@enumiv\@empty
17765 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
17766 \sloppy
17767 \clubpenalty4000
17768 \@clubpenalty \clubpenalty
17769 \widowpenalty4000%
17770 \sfcode`\.\@m}
17771 {\def\@noitemerr
17772 {\@latex@warning{Empty `thebibliography' environment}}}%
17773 \endlist}
17774
17775 \@ifpackagewith{chapterbib}{sectionbib}%
17776 {\renewcommand{\sectionbib}[2]{}}%
17777 {}
17778
17779 \fi
17780 \if@inltxdoc\else

```



```

17781 \renewenvironment{theindex}%
17782 {\if@twocolumn
17783   \@restonecolfalse
17784   \else
17785     \@restonecoltrue
17786   \fi
17787   \if@bibchapter
17788     \if@donumindex
17789       \refstepcounter{chapter}
17790       \twocolumn[\vspace*{2\topskip}%
17791         \@makechapterhead{\indexname}]]%
17792     \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
17793     \chaptermark{\indexname}
17794   \else
17795     \if@dotocind
17796       \twocolumn[\vspace*{2\topskip}%
17797         \@makeschapterhead{\indexname}]]%
17798       \prw@mkboth{\indexname}
17799       \addcontentsline{toc}{chapter}{\indexname}
17800     \else
17801       \twocolumn[\vspace*{2\topskip}%
17802         \@makeschapterhead{\indexname}]]%
17803       \prw@mkboth{\indexname}
17804     \fi
17805   \fi
17806 \else
17807   \if@donumindex
17808     \twocolumn[\vspace*{-1.5\topskip}%
17809       \@nameuse{\@tocextra}{\indexname}]]%
17810     \csname \@tocextra mark\endcsname{\indexname}
17811   \else
17812     \if@dotocind
17813       \twocolumn[\vspace*{-1.5\topskip}%
17814         \toc@headstar{\@tocextra}{\indexname}]]%
17815       \prw@mkboth{\indexname}
17816       \addcontentsline{toc}{\@tocextra}{\indexname}
17817     \else
17818       \twocolumn[\vspace*{-1.5\topskip}%
17819         \toc@headstar{\@tocextra}{\indexname}]]%
17820       \prw@mkboth{\indexname}
17821     \fi
17822   \fi
17823 \fi
17824 \thispagestyle{plain}\parindent\z@
17825 \parskip\z@ \@plus .3\p@\relax
17826 \let\item\@idxitem}
17827 {\if@restonecol\onecolumn\else\clearpage\fi}
17828 \fi

```



7.116 tocloft-xetex-bidi.def

```

17829 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
17830 \let\cftdot\@SepMark
17831 \if@cfthaspart
17832 \renewcommand*{\l@part}[2]{
17833   \@cftdopartfalse
17834   \ifnum \c@tocdepth >-2\relax
17835     \if@cfthaschapter
17836       \@cftdoparttrue
17837     \fi
17838     \ifnum \c@tocdepth >\m@ne
17839       \if@cfthaschapter\else
17840         \@cftdoparttrue
17841       \fi
17842     \fi
17843   \fi
17844   \if@cftdopart
17845     \if@cfthaschapter
17846       \addpenalty{-\@highpenalty}
17847     \else
17848       \addpenalty\@secpenalty
17849     \fi
17850     \addvspace{\cftbeforepartskip}
17851     \begingroup
17852       {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
17853        \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17854        \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17855        \parindent \cftpartindent\relax\@afterindenttrue
17856        \interlinepenalty\@M
17857        \leavevmode
17858        \@tempdima \cftpartnumwidth\relax
17859        \let\@cftbsnum \cftpartpresnum
17860        \let\@cftasnum \cftpartaftersnum
17861        \let\@cftasnumb \cftpartaftersnumb
17862        \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
17863        {\cftpartfont \cftpartpresnum #1}
17864        \cftpartfillnum{#2}}
17865        \nobreak
17866        \if@cfthaschapter
17867          \global\@nobreaktrue
17868          \everypar{\global\@nobreakfalse\everypar{}}
17869        \else
17870          \if@compatibility
17871            \global\@nobreaktrue
17872            \everypar{\global\@nobreakfalse\everypar{}}
17873          \fi
17874        \fi
17875      \endgroup
17876    \fi}

```




```

17877 \fi
17878 \if@cfthaschapter
17879 \renewcommand*{\l@chapter}[2]{
17880   \ifnum \c@tocdepth >\m@ne
17881     \addpenalty{-\@highpenalty}
17882     \vskip \cftbeforechapskip
17883     {\if@RTL\rightright\else\leftskip\fi \cftchapindent\relax
17884      \if@RTL\leftskip\else\rightright\fi \@tocrmarg
17885      \parfillskip -\if@RTL\leftskip\else\rightright\fi
17886      \parindent \cftchapindent\relax\@afterindenttrue
17887      \interlinepenalty\@M
17888      \leavevmode
17889      \@tempdima \cftchapnumwidth\relax
17890      \let\@cftbsnum \cftchappresnum
17891      \let\@cftasnum \cftchapaftersnum
17892      \let\@cftasnumb \cftchapaftersnumb
17893      \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
17894      {\cftchapfont #1}\nobreak
17895      \cftchapfillnum{#2}}
17896   \fi}
17897 \fi
17898 \renewcommand*{\l@section}[2]{%
17899   \ifnum \c@tocdepth >\z@
17900     \if@cfthaschapter
17901       \vskip \cftbeforesecskip
17902     \else
17903       \addpenalty\@secpenalty
17904       \addvspace{\cftbeforesecskip}
17905     \fi
17906     {\if@RTL\rightright\else\leftskip\fi \cftsecindent\relax
17907      \if@RTL\leftskip\else\rightright\fi \@tocrmarg
17908      \parfillskip -\if@RTL\leftskip\else\rightright\fi
17909      \parindent \cftsecindent\relax\@afterindenttrue
17910      \interlinepenalty\@M
17911      \leavevmode
17912      \@tempdima \cftsecnumwidth\relax
17913      \let\@cftbsnum \cftsecpresnum
17914      \let\@cftasnum \cftsecaftersnum
17915      \let\@cftasnumb \cftsecaftersnumb
17916      \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
17917      {\cftsecfont #1}\nobreak
17918      \cftsecfillnum{#2}}
17919   \fi}
17920 \renewcommand*{\l@subsection}[2]{%
17921   \ifnum \c@tocdepth >\@ne
17922     \vskip \cftbeforesubsecskip
17923     {\if@RTL\rightright\else\leftskip\fi \cftsubsecindent\relax
17924      \if@RTL\leftskip\else\rightright\fi \@tocrmarg
17925      \parfillskip -\if@RTL\leftskip\else\rightright\fi
17926      \parindent \cftsubsecindent\relax\@afterindenttrue

```



```

17927 \interlinepenalty\@M
17928 \leavevmode
17929 \@tempdima \cftsubsecnumwidth\relax
17930 \let\@cftbsnum \cftsubsecpresnum
17931 \let\@cftasnum \cftsubsecaftersnum
17932 \let\@cftasnumb \cftsubsecaftersnumb
17933 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17934 {\cftsubsecfont #1}\nobreak
17935 \cftsubsecfillnum{#2}}
17936 \fi}
17937 \renewcommand*{\l@subsubsection}[2]{%
17938 \ifnum \c@tocdepth >\tw@
17939 \vskip \cftbeforesubsubsecskip
17940 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
17941 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17942 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17943 \parindent \cftsubsubsecindent\relax\@afterindenttrue
17944 \interlinepenalty\@M
17945 \leavevmode
17946 \@tempdima \cftsubsubsecnumwidth\relax
17947 \let\@cftbsnum \cftsubsubsecpresnum
17948 \let\@cftasnum \cftsubsubsecaftersnum
17949 \let\@cftasnumb \cftsubsubsecaftersnumb
17950 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17951 {\cftsubsubsecfont #1}\nobreak
17952 \cftsubsubsecfillnum{#2}}
17953 \fi}
17954 \renewcommand*{\l@paragraph}[2]{%
17955 \ifnum \c@tocdepth >3\relax
17956 \vskip \cftbeforeparaskip
17957 {\if@RTL\rightskip\else\leftskip\fi \cftparindent\relax
17958 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17959 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17960 \parindent \cftparindent\relax\@afterindenttrue
17961 \interlinepenalty\@M
17962 \leavevmode
17963 \@tempdima \cftparanumwidth\relax
17964 \let\@cftbsnum \cftparapresnum
17965 \let\@cftasnum \cftparaaftersnum
17966 \let\@cftasnumb \cftparaaftersnumb
17967 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17968 {\cftparafont #1}\nobreak
17969 \cftparafillnum{#2}}
17970 \fi}
17971 \renewcommand*{\l@subparagraph}[2]{%
17972 \ifnum \c@tocdepth >4\relax
17973 \vskip \cftbeforesubparaskip
17974 {\if@RTL\rightskip\else\leftskip\fi \cftsubparindent\relax
17975 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17976 \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```



```

17977 \parindent \cftsubparaindent\relax\@afterindenttrue
17978 \interlinepenalty\@M
17979 \leavevmode
17980 \@tempdima \cftsubparanumwidth\relax
17981 \let\@cftbsnum \cftsubparapresnum
17982 \let\@cftasnum \cftsubparaaftersnum
17983 \let\@cftasnumb \cftsubparaaftersnumb
17984 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17985 {\cftsubparafont #1}\nobreak
17986 \cftsubparafillnum{#2}}
17987 \fi}
17988 \renewcommand*{\l@figure}[2]{%
17989 \ifnum \c@lofdepth >\z@
17990 \vskip \cftbeforefigskip
17991 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
17992 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17993 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17994 \parindent \cftfigindent\relax\@afterindenttrue
17995 \interlinepenalty\@M
17996 \leavevmode
17997 \@tempdima \cftfignumwidth\relax
17998 \let\@cftbsnum \cftfigpresnum
17999 \let\@cftasnum \cftfigaftersnum
18000 \let\@cftasnumb \cftfigaftersnumb
18001 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18002 {\cftfigfont #1}\nobreak
18003 \cftfigfillnum{#2}}
18004 \fi
18005 }
18006 \renewcommand*{\l@table}[2]{%
18007 \ifnum\c@lotdepth >\z@
18008 \vskip \cftbeforetabskip
18009 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
18010 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18011 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18012 \parindent \cfttabindent\relax\@afterindenttrue
18013 \interlinepenalty\@M
18014 \leavevmode
18015 \@tempdima \cfttabnumwidth\relax
18016 \let\@cftbsnum \cfttabpresnum
18017 \let\@cftasnum \cfttabaftersnum
18018 \let\@cftasnumb \cfttabaftersnumb
18019 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18020 {\cfttabfont #1}\nobreak
18021 \cfttabfillnum{#2}}
18022 \fi
18023 }
18024 \renewcommand{\@cftl@subfig}{
18025 \renewcommand*{\l@subfigure}[2]{%
18026 \ifnum \c@lofdepth > \toclevel@subfigure

```



```

18027 \vskip \cftbeforesubfigskip
18028 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
18029 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18030 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18031 \parindent \cftsubfigindent\relax\@afterindenttrue
18032 \interlinepenalty\@M
18033 \leavevmode
18034 \@tempdima \cftsubfignumwidth\relax
18035 \let\@cftbsnum \cftsubfigpresnum
18036 \let\@cftasnum \cftsubfigaftersnum
18037 \let\@cftasnumb \cftsubfigaftersnumb
18038 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18039 {\cftsubfigfont ##1}\nobreak
18040 \cftsubfigfillnum{##2}}
18041 \fi
18042 }
18043 }
18044 \renewcommand{\@cftl@subtab}{
18045 \renewcommand*{\l@subtable}[2]{%
18046 \ifnum \c@lotdepth > \toclevel@subtable
18047 \vskip \cftbeforesubtabskip
18048 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
18049 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18050 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18051 \parindent \cftsubtabindent\relax\@afterindenttrue
18052 \interlinepenalty\@M
18053 \leavevmode
18054 \@tempdima \cftsubtabnumwidth\relax
18055 \let\@cftbsnum \cftsubtabpresnum
18056 \let\@cftasnum \cftsubtabaftersnum
18057 \let\@cftasnumb \cftsubtabaftersnumb
18058 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18059 {\cftsubtabfont ##1}\nobreak
18060 \cftsubtabfillnum{##2}}
18061 \fi
18062 }
18063 }
18064 \renewcommand{\newlistentry}[4][\@empty]{%
18065 \@ifundefined{c@#2}{% check & set the counter
18066 \ifx \@empty#1\relax
18067 \newcounter{#2}
18068 \else
18069 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
18070 {#1 has no counter for use as a `within'}}
18071 \newcounter{#2}}%
18072 {\newcounter{#2}[#1]%
18073 \expandafter\edef\csname the#2\endcsname{%
18074 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
18075 \fi
18076 \setcounter{#2}{0}

```



```

18077 }
18078 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
18079
18080 \@namedef{l@#2}##1##2{%
18081   \ifnum \@nameuse{c@#3depth} > #4\relax
18082     \vskip \@nameuse{cftbefore#2skip}
18083     {\ifRTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
18084     \ifRTL\leftskip\else\righskip\fi \@tocrmarg
18085     \parfillskip -\ifRTL\leftskip\else\righskip\fi
18086     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
18087     \interlinepenalty\@M
18088     \leavevmode
18089     \@tempdima \@nameuse{cft#2numwidth}\relax
18090     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
18091     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
18092     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
18093     \advance\ifRTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\ifRTL\righskip
18094       {\@nameuse{cft#2font}##1}\nobreak
18095     \@nameuse{cft#2fillnum}{##2}}
18096   \fi
18097 } % end of l@#2
18098
18099 \expandafter\newlength\csname cftbefore#2skip\endcsname
18100   \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2p@}
18101 \expandafter\newlength\csname cft#2indent\endcsname
18102 \expandafter\newlength\csname cft#2numwidth\endcsname
18103 \ifcase #4\relax % 0
18104   \setlength{\@nameuse{cft#2indent}}{0em}
18105   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
18106 \or % 1
18107   \setlength{\@nameuse{cft#2indent}}{1.5em}
18108   \setlength{\@nameuse{cft#2numwidth}}{2.3em}
18109 \or % 2
18110   \setlength{\@nameuse{cft#2indent}}{3.8em}
18111   \setlength{\@nameuse{cft#2numwidth}}{3.2em}
18112 \or % 3
18113   \setlength{\@nameuse{cft#2indent}}{7.0em}
18114   \setlength{\@nameuse{cft#2numwidth}}{4.1em}
18115 \else % anything else
18116   \setlength{\@nameuse{cft#2indent}}{10.0em}
18117   \setlength{\@nameuse{cft#2numwidth}}{5.0em}
18118 \fi
18119 \@namedef{cft#2font}{\normalfont}
18120 \@namedef{cft#2presnum}{}
18121 \@namedef{cft#2aftersnum}{}
18122 \@namedef{cft#2aftersnumb}{}
18123 \@namedef{cft#2dotsep}{\cftdotsep}
18124 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
18125 \@namedef{cft#2pagefont}{\normalfont}
18126 \@namedef{cft#2afterpnum}{}

```



```

18127 \@namedef{toclevel@#2}{#4}
18128 \@namedef{cft#2fillnum}##1{%
18129   {\@nameuse{cft#2leader}}\nobreak
18130   \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
18131 } % end \newlistentry
18132 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
18133   {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
18134   \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
18135   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
18136   \textit{#1}\protect\par}}}

```

7.117 tocbasic-xetex-bidi.def

```

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

```



```

18174         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18175 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18176     \ifstr{#1}{subsubsection}{%
18177         \@namedef{scr@tso@#1@indent}{3.8em}%
18178     }{%
18179         \ifstr{#1}{paragraph}{%
18180             \@namedef{scr@tso@#1@indent}{7em}%
18181         }{%
18182             \ifstr{#1}{subparagraph}{%
18183                 \@namedef{scr@tso@#1@indent}{10em}%
18184             }{%
18185                 }%
18186             }%
18187         }%
18188     }%
18189 }{%
18190 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18191 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18192     \ifstr{#1}{subsubsection}{%
18193         \@namedef{scr@tso@#1@indent}{7.0em}%
18194     }{%
18195         \ifstr{#1}{paragraph}{%
18196             \@namedef{scr@tso@#1@indent}{10em}%
18197         }{%
18198             \ifstr{#1}{subparagraph}{%
18199                 \@namedef{scr@tso@#1@indent}{12em}%
18200             }{%
18201                 }%
18202             }%
18203         }%
18204     }%
18205 }%
18206 }%
18207 }%
18208 }%
18209 }%
18210 }%
18211 }%
18212 }{%
18213     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18214 }%
18215 }{}%
18216 \@ifundefined{scr@tso@#1@numwidth}{%
18217     \@ifundefined{scr@#1@tocnumwidth}{%
18218         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18219             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18220                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18221                     \scr@ifundefinedorrelax{chapter}{%
18222                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18223                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%

```



```

18224         \ifstr{#1}{subsubsection}{%
18225             \@namedef{scr@tso@#1@numwidth}{3.2em}%
18226         }{%
18227             \ifstr{#1}{paragraph}{%
18228                 \@namedef{scr@tso@#1@numwidth}{4.1em}%
18229             }{%
18230                 \ifstr{#1}{subparagraph}{%
18231                     \@namedef{scr@tso@#1@numwidth}{5em}%
18232                 }{%
18233                     }%
18234                 }%
18235             }%
18236         }%
18237     }%
18238 }{%
18239     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18240     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18241         \ifstr{#1}{subsubsection}{%
18242             \@namedef{scr@tso@#1@numwidth}{3.1em}%
18243         }{%
18244             \ifstr{#1}{paragraph}{%
18245                 \@namedef{scr@tso@#1@numwidth}{5em}%
18246             }{%
18247                 \ifstr{#1}{subparagraph}{%
18248                     \@namedef{scr@tso@#1@numwidth}{6em}%
18249                 }{%
18250                     }%
18251                 }%
18252             }%
18253         }%
18254     }%
18255 }%
18256 }%
18257 }%
18258 }%
18259 }{%
18260     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18261 }%
18262 }{}%
18263 }]{%
18264     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
18265         \ifnum \@nameuse{#1tocdepth}<\@ne
18266             \scr@ifundefinedorrelax{chapter}{%
18267                 \addpenalty\@secpenalty
18268                 \addvspace{1.0em \@plus\p@}%
18269             }{%
18270                 \addpenalty{-\@highpenalty}%
18271                 \vskip 1.0em \@plus\p@
18272             }%
18273         \else

```




```

18274     \addpenalty\@secpenalty
18275     \addvspace{1.0em \@plus\p}%
18276   \fi
18277   \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
18278   \begingroup
18279     \parindent \z@ \bidi@rightskip \@pnumwidth
18280     \parfillskip -\@pnumwidth
18281     \leavevmode
18282     \bfseries
18283     \advance\bidi@leftskip\@tempdima
18284     \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}}%
18285     \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}}\relax
18286     ##1%
18287     \nobreak
18288     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18289     \par
18290     \penalty\@highpenalty
18291   \endgroup
18292 \fi
18293 }
18294
18295 \bidi@undef\scr@dte@def@l@largetocline
18296 \bidi@undef\scr@dte@largetocline@init
18297 \DeclareTOCEntryStyle{largetocline}[{%
18298   \DefineTOCEntryLengthOption{indent}}%
18299   {scr@tso@}{\@indent}{entry indent}}%
18300 \@ifundefined{#1tocdepth}{%
18301   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18302     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18303       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18304         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18305           \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18306             \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18307               \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18308                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18309                   \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18310                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
18311                       \csname #1numdepth\endcsname
18312                     }%
18313                   }%
18314                 }%
18315               }%
18316             }%
18317           }%
18318         }%
18319       }%
18320     }%
18321   }{}%
18322   \@ifundefined{scr@tso@#1@indent}{%
18323     \@ifundefined{scr@#1@tocindent}{%

```



```

18324 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18325 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18326 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18327 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18328 \scr@ifundefinedorrelax{1@chapter}{%
18329 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18330 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18331 \ifstr{#1}{subsubsection}{%
18332 \@namedef{scr@tso@#1@indent}{3.8em}%
18333 }{%
18334 \ifstr{#1}{paragraph}{%
18335 \@namedef{scr@tso@#1@indent}{7em}%
18336 }{%
18337 \ifstr{#1}{subparagraph}{%
18338 \@namedef{scr@tso@#1@indent}{10em}%
18339 }{%
18340 }%
18341 }%
18342 }%
18343 }%
18344 }%
18345 }{%
18346 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18347 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18348 \ifstr{#1}{subsubsection}{%
18349 \@namedef{scr@tso@#1@indent}{7.0em}%
18350 }{%
18351 \ifstr{#1}{paragraph}{%
18352 \@namedef{scr@tso@#1@indent}{10em}%
18353 }{%
18354 \ifstr{#1}{subparagraph}{%
18355 \@namedef{scr@tso@#1@indent}{12em}%
18356 }{%
18357 }%
18358 }%
18359 }%
18360 }%
18361 }%
18362 }%
18363 }%
18364 }%
18365 }%
18366 }%
18367 }{%
18368 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18369 }%
18370 }{}%
18371 }}{%
18372 \ifnum \c@tocdepth > \numexpr \@nameuse{#1@tocdepth} - \@ne \relax
18373 \ifnum \@nameuse{#1@tocdepth} < \@ne

```



```

18374 \scr@ifundefinedorrelax{chapter}{%
18375 \addpenalty\@secpenalty
18376 \addvspace{2.25em \@plus\p@}%
18377 }{%
18378 \addpenalty{-\@highpenalty}%
18379 \addvspace{2.25em \@plus\p@}%
18380 }%
18381 \else
18382 \addpenalty\@secpenalty
18383 \addvspace{2.25em \@plus\p@}%
18384 \fi
18385 \setlength\@tempdima{3em}%
18386 \beginngroup
18387 \parindent \z@ \bidi@rightskip \@pnumwidth
18388 \parfillskip -\@pnumwidth
18389 \leavevmode
18390 \large
18391 \bfseries
18392 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
18393 ##1%
18394 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18395 \par
18396 \nobreak
18397 \ifnum 0=
18398 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
18399 \global\@nobreaktrue
18400 \everypar{\global\@nobreakfalse\everypar{}}%
18401 \fi
18402 \endgroup
18403 \fi
18404 }
18405
18406 \renewcommand*{\scr@dte@tocline}[3]{%
18407 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
18408 \else
18409 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
18410 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
18411 {%
18412 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
18413 \bidi@rightskip \@tocrmarg
18414 \parfillskip -\bidi@rightskip
18415 \@nameuse{Ifscr@tso@#1@raggedpage}{%
18416 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
18417 }{}%
18418 \parindent \@nameuse{scr@tso@#1@indent}\relax
18419 \@afterindenttrue
18420 \interlinepenalty\@M
18421 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
18422 \addtolength\bidi@rightskip\@flushglue
18423 \else

```



```

18424 \def\reserved@a{\raggedright}%
18425 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
18426 \addtolength\bi@rightskip\@flushglue
18427 \else
18428 \renewcommand\reserved@a{\raggedright}%
18429 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
18430 \addtolength\bi@rightskip\@flushglue
18431 \fi
18432 \fi
18433 \fi
18434 \leavevmode
18435 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
18436 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
18437 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}{%
18438 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
18439 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
18440 \fi
18441 }%
18442 }{}%
18443 \advance\bi@leftskip \@tempdima
18444 \null\nobreak\hskip -\bi@leftskip
18445 {%
18446 \usetocbasicnumberline
18447 \let\scr@dte@numberline@box\numberline@box
18448 \def\numberline@box#1{%
18449 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{#1}}%
18450 \global\scr@dte@tocline@numberwidth
18451 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
18452 \ifdim \scr@dte@tocline@numberwidth
18453 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
18454 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
18455 \fi
18456 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}{%
18457 \ifdim \scr@dte@tocline@numberwidth
18458 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
18459 +\@nameuse{scr@tso@#1@numsep}\relax
18460 \PackageWarning{tocbasic%
18461 }{%
18462 number width of #1 toc entries should be
18463 increased!\MessageBreak
18464 Currently used number width =
18465 \the\wd\scr@dte@tocline@numbox,\MessageBreak
18466 Wanted number separation
18467 \space\space\space =
18468 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
18469 Reserved number width \space\space\space\space\space\space =
18470 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
18471 }%
18472 \fi
18473 }%

```



```

18474 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
18475 \@nameuse{Ifscr@tso@#1@breakafternumber}}{%
18476 {\parfillskip\@flushglue\par}\nobreak\hskip-\@bidi@leftskip
18477 }{}}%
18478 }%
18479 \@nameuse{scr@tso@#1@entryformat}}{%
18480 #2%
18481 \nobreak
18482 {%
18483 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
18484 \nobreak
18485 \@nameuse{scr@tso@#1@pagenumberbox}}{%
18486 \@nameuse{scr@tso@#1@pagenumberformat}}{#3}%
18487 }%
18488 }%
18489 \@par
18490 }%
18491 }%
18492 }%
18493 \tocbasic@SetPenaltyByTOCLevel{#1}%
18494 \fi
18495 }
18496
18497 \bidi@undef\scr@dte@def@l@tocline
18498 \bidi@undef\scr@dte@tocline@init
18499 \DeclareTOCEntryStyle{tocline}{%
18500 \DefineTOCEntryLengthOption{before skip}%
18501 {scr@tso@}{@before skip}{vertical skip before the entry}%
18502 \DefineTOCEntryIfOption{breakafternumber}%
18503 {scr@tso@}{@breakafternumber}{line break after number flag}%
18504 \DefineTOCEntryIfOption{dynnumwidth}%
18505 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
18506 \DefineTOCEntryCommandOption{entryformat}%
18507 {scr@tso@}{@entryformat}[1]{entry format}%
18508 \DefineTOCEntryCommandOption{entrynumberformat}%
18509 {scr@tso@}{@numberformat}[1]{entry number format}%
18510 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
18511 {scr@tso@}{@linefill}{filling between text and page number}%
18512 \DefineTOCEntryLengthOption{numsep}%
18513 {scr@tso@}{@numsep}{entry number separation}%
18514 \DefineTOCEntryCommandOption{onstarthigherlevel}%
18515 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
18516 \DefineTOCEntryCommandOption{onstartlowerlevel}%
18517 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
18518 \DefineTOCEntryCommandOption{onstartsamelevel}%
18519 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
18520 \DefineTOCEntryCommandOption{pagenumberbox}%
18521 {scr@tso@}{@pagenumberbox}[1]{page number box}%
18522 \DefineTOCEntryCommandOption{pagenumberformat}%
18523 {scr@tso@}{@pagenumberformat}[1]{page number format}%

```



```

18524 \DefineTOCEntryOption{raggedentrytext}[true]{%
18525   \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
18526   \ifx\FamilyKeyState\FamilyKeyStateProcessed
18527     \if@tempswa
18528       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
18529       \raggedright
18530     \else
18531       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
18532       \relax
18533     \fi
18534   \fi
18535 }%
18536 \DefineTOCEntryIfOption{raggedpagenumber}%
18537   {scr@tso@}{@raggedpage}{page number ragged flag}%
18538 \DefineTOCEntryLengthOption{indent}%
18539   {scr@tso@}{@indent}{entry indent}%
18540 \DefineTOCEntryLengthOption{numwidth}%
18541   {scr@tso@}{@numwidth}{entry number width}%
18542 \scr@ifundefinedorrelax{#1tocdepth}{%
18543   \ifstrstart{#1}{sub}{%
18544     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%}{%
18545       \expandafter\edef\csname #1tocdepth\endcsname{%
18546         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
18547       }%
18548     }%
18549   }{}%
18550 }{}%
18551 \@ifundefined{#1tocdepth}{%
18552   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18553     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18554       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18555         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18556           \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18557             \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18558               \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18559                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{11}}{%
18560                   \ifstr{#1}{table}{\@namedef{#1tocdepth}{11}}{%
18561                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
18562                     \csname #1numdepth\endcsname
18563                   }%
18564                 }%
18565               }%
18566             }%
18567           }%
18568         }%
18569       }%
18570     }%
18571   }{}%
18572 }{}%
18573 \scr@ifundefinedorrelax{scr@tso@#1indent}{%

```



```

18574 \@ifundefined{scr@#1@tocindent}{%
18575 \ifstrstart{#1}{sub}{%
18576 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
18577 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-%
18578 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18579 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18580 \relax
18581 }%
18582 }%
18583 }{%
18584 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
18585 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18586 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
18587 \relax
18588 }%
18589 }{%
18590 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18591 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
18592 +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18593 \relax
18594 }%
18595 }%
18596 }%
18597 }{%
18598 }{%
18599 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18600 }%
18601 }{}%
18602 \@ifundefined{scr@tso@#1@indent}{%
18603 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18604 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18605 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18606 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18607 \scr@ifundefinedorrelax{l@chapter}{%
18608 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18609 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18610 \ifstr{#1}{subsubsection}{%
18611 \@namedef{scr@tso@#1@indent}{3.8em}%
18612 }{%
18613 \ifstr{#1}{paragraph}{%
18614 \@namedef{scr@tso@#1@indent}{7em}%
18615 }{%
18616 \ifstr{#1}{subparagraph}{%
18617 \@namedef{scr@tso@#1@indent}{10em}%
18618 }{%
18619 }%
18620 }%
18621 }%
18622 }%
18623 }%

```



```

18624         }{%
18625         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18626         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18627         \ifstr{#1}{subsubsection}{%
18628         \@namedef{scr@tso@#1@indent}{7.0em}%
18629         }{%
18630         \ifstr{#1}{paragraph}{%
18631         \@namedef{scr@tso@#1@indent}{10em}%
18632         }{%
18633         \ifstr{#1}{subparagraph}{%
18634         \@namedef{scr@tso@#1@indent}{12em}%
18635         }{%
18636         }%
18637         }%
18638         }%
18639         }%
18640         }%
18641         }%
18642         }%
18643         }%
18644         }%
18645         }%
18646     }{}%
18647     \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
18648     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
18649     \ifstrstart{#1}{sub}{%
18650     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
18651     \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
18652     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18653     +.9em%
18654     \relax
18655     }%
18656     }%
18657     }{}%
18658     }{%
18659     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18660     }%
18661     }{}%
18662     \@ifundefined{scr@tso@#1@numwidth}{%
18663     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18664     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18665     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18666     \scr@ifundefinedorrelax{chapter}{%
18667     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18668     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18669     \ifstr{#1}{subsubsection}{%
18670     \@namedef{scr@tso@#1@numwidth}{3.2em}%
18671     }{%
18672     \ifstr{#1}{paragraph}{%
18673     \@namedef{scr@tso@#1@numwidth}{4.1em}%

```




```

18674         }{%
18675         \ifstr{#1}{subparagraph}{%
18676         \@namedef{scr@tso@#1@numwidth}{5m}%
18677         }{%
18678         }%
18679         }%
18680         }%
18681         }%
18682         }%
18683         }{%
18684         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18685         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18686         \ifstr{#1}{subsubsection}{%
18687         \@namedef{scr@tso@#1@numwidth}{3.1em}%
18688         }{%
18689         \ifstr{#1}{paragraph}{%
18690         \@namedef{scr@tso@#1@numwidth}{5em}%
18691         }{%
18692         \ifstr{#1}{subparagraph}{%
18693         \@namedef{scr@tso@#1@numwidth}{6em}%
18694         }{%
18695         }%
18696         }%
18697         }%
18698         }%
18699         }%
18700         }%
18701         }%
18702         }%
18703         }%
18704         }{}%
18705         \expandafter\renewcommand%
18706         \csname scr@tso@#1@LastTOCLLevelWasLower\endcsname{\LastTOCLLevelWasLower}%
18707         \expandafter\renewcommand%
18708         \csname scr@tso@#1@LastTOCLLevelWasSame\endcsname{\LastTOCLLevelWasSame}%
18709         \expandafter\renewcommand%
18710         \csname scr@tso@#1@LastTOCLLevelWasHigher\endcsname{\LastTOCLLevelWasHigher}%
18711         \@ifundefined{scr@tso@#1@beforeskip}{%
18712         \ifstr{#1}{part}{%
18713         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@ \relax}%
18714         }{%
18715         \ifstr{#1}{chapter}{%
18716         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@ \relax}%
18717         }{%
18718         \ifstr{#1}{section}{%
18719         \scr@ifundefinedorrelax{1@chapter}{%
18720         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@ \relax}%
18721         }{}%
18722         }{}%
18723         }%

```



```

18724 }%
18725 \expandafter\renewcommand\expandafter*%
18726 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
18727 }{}%
18728 \@ifundefined{scr@dte@#1@maxnumwidth}{%
18729 \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
18730 \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
18731 }{}%
18732 \renewcommand*{\scr@dte@donumwidth}{}%
18733 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
18734 \expandafter\renewcommand\expandafter*%
18735 \csname scr@tso@#1@numsep\endcsname{.4em}%
18736 \expandafter\renewcommand%
18737 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
18738 \ifstr{#1}{part}{%
18739 \expandafter\renewcommand%
18740 \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
18741 }{%
18742 \ifstr{#1}{chapter}{%
18743 \expandafter\renewcommand%
18744 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
18745 }{%
18746 \scr@ifundefinedorrelax{1@chapter}{%
18747 \ifstr{#1}{section}{%
18748 \expandafter\renewcommand%
18749 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
18750 }{}%
18751 }{}%
18752 \expandafter\renewcommand%
18753 \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
18754 }%
18755 }%
18756 \expandafter\renewcommand
18757 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
18758 \@ifundefined{scr@tso@#1@linefill}{%
18759 \ifstr{#1}{part}{%
18760 \@namedef{scr@tso@#1@linefill}{\hfill}%
18761 }{%
18762 \ifstr{#1}{chapter}{%
18763 \@namedef{scr@tso@#1@linefill}{\hfill}%
18764 }{%
18765 \scr@ifundefinedorrelax{1@chapter}{%
18766 \ifstr{#1}{section}{%
18767 \@namedef{scr@tso@#1@linefill}{\hfill}%
18768 }{}
18769 }{}
18770 \expandafter\renewcommand%
18771 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18772 }%
18773 }%

```



```

18774 }{}%
18775 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
18776 \ifstr{#1}{part}{%
18777   \expandafter\renewcommand%
18778   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
18779 }{%
18780   \expandafter\renewcommand%
18781   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18782     {\normalfont\normalcolor ##1}}%
18783 }%
18784 \expandafter\renewcommand%
18785 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
18786   \hb@xt@{\pnumwidth{\hfil ##1}}%
18787   \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
18788 }]{%
18789   \scr@dte@tocline{#1}{##1}{##2}%
18790 }
18791

```

7.118 tocstyle-xetex-bidi.def

```

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

```



```

18821 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18822 \@tempdimb
18823 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18824 \advance\@tempdimb
18825 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18826 \fi
18827 \fi
18828 \fi
18829 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18830 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
18831 \ifdim \@tempdimb>
18832 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
18833 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
18834 @#1\endcsname{\the\@tempdimb}%
18835 \fi
18836 \else
18837 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
18838 @#1\endcsname{\the\@tempdimb}%
18839 \fi
18840 \iftocstyle@autolength
18841 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
18842 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
18843 \relax
18844 \fi
18845 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
18846 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
18847 \relax
18848 \fi
18849 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18850 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18851 \else
18852 \@tempdimb #2\relax
18853 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18854 \fi
18855 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
18856 \ifdim \@tempdima>
18857 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
18858 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
18859 @\endcsname{\the\@tempdima}%
18860 \fi
18861 \else
18862 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
18863 @\endcsname{\the\@tempdima}%
18864 \fi
18865 \ifcase\tocstyle@indentstyle\relax\else
18866 \@tempdimb \z@
18867 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18868 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18869 \relax
18870 \fi

```



```

18871     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18872     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18873   \fi
18874   \advance\parindent \@tempdimb\@afterindenttrue
18875   \advance\if@RTL\rightskip\else\leftskip\fi \parindent
18876   \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18877   \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18878   \ifx\tocstyle@feature@parfillskip\relax\else
18879     \advance\parfillskip \tocstyle@feature@parfillskip\relax
18880   \fi
18881   \interlinepenalty\@M
18882   \leavevmode
18883   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
18884   \null\nobreak
18885   \iftocstyle@indentnotnumbered\else
18886     \hskip -\if@RTL\rightskip\else\leftskip\fi
18887   \fi
18888   \tocstyle@feature@entryhook
18889   {#4}\nobreak
18890   \ifx\tocstyle@feature@leaders\relax
18891     \leaders\hbox{$\m@th
18892       \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
18893       \mkern \@dotsep mu$}\hfill
18894   \else
18895     \tocstyle@feature@leaders
18896   \fi
18897   \nobreak
18898   \ifx\tocstyle@feature@pagenumberbox\relax
18899     \hbexto\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
18900   \else
18901     \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
18902   \fi
18903   \par
18904 }%
18905 \if\tocstyle@penalties
18906   \bgroup
18907   \@tempcnta 20009
18908   \advance\@tempcnta by -#1
18909   \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
18910   \reserved@a
18911 \fi
18912 \fi}
18913 \renewcommand*{\tocstyle@numberline}[1]{%
18914   \begingroup
18915     \ifx\tocstyle@feature@spaceafternumber\relax
18916       \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
18917     \else
18918       \settowidth\@tempdima{\tocstyle@numberline{#1}}%
18919     \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
18920   \fi

```



```

18921 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
18922 \ifdim \@tempdima >
18923 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
18924 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
18925 @\tocstyledepth\endcsname{\the\@tempdima}%
18926 \fi
18927 \else
18928 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
18929 @\tocstyledepth\endcsname{\the\@tempdima}%
18930 \fi
18931 \endgroup
18932 \iftocstyle@indentnotnumbered
18933 \hskip -\if@RTL\rightskip\else\leftskip\fi
18934 \fi
18935 \ifcase \tocstyle@indentstyle
18936 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
18937 \or
18938 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
18939 \else
18940 \ifx\tocstyle@feature@spaceafternumber\relax
18941 \hbox{\tocstyle@@numberline{#1}\enskip}%
18942 \else
18943 \hbox{\tocstyle@@numberline{#1}\hskip
18944 \tocstyle@feature@spaceafternumber\relax}%
18945 \fi
18946 \fi
18947 }
18948 \AtBeginDocument{%
18949 \ifcsname l@part\endcsname
18950 \ifcsname l@chapter\endcsname
18951 \setbox\@tempboxa\vbox{\hsize\maxdimen
18952 \l@part{\tocstyle@l@define{part}{-1}}{}}%
18953 \else
18954 \setbox\@tempboxa\vbox{\hsize\maxdimen
18955 \l@part{\tocstyle@l@define{part}{0}}{}}%
18956 \fi
18957 \fi
18958 \ifcsname l@chapter\endcsname
18959 \setbox\@tempboxa\vbox{\hsize\maxdimen
18960 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
18961 \fi
18962 \ifcsname l@section\endcsname
18963 \setbox\@tempboxa\vbox{\hsize\maxdimen
18964 \l@section{\tocstyle@l@define{section}{1}}{}}%
18965 \fi
18966 \ifcsname l@subsection\endcsname
18967 \setbox\@tempboxa\vbox{\hsize\maxdimen
18968 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
18969 \fi
18970 \ifcsname l@subsubsection\endcsname

```



```

18971 \setbox\@tempboxa\vbox{\hsize\maxdimen
18972 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
18973 \fi
18974 \ifcsname l@paragraph\endcsname
18975 \setbox\@tempboxa\vbox{\hsize\maxdimen
18976 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
18977 \fi
18978 \ifcsname l@subparagraph\endcsname
18979 \setbox\@tempboxa\vbox{\hsize\maxdimen
18980 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
18981 \fi
18982 \ifcsname l@table\endcsname
18983 \setbox\@tempboxa\vbox{\hsize\maxdimen
18984 \l@table{\tocstyle@l@define{table}{1}}{}}%
18985 \fi
18986 \ifcsname l@figure\endcsname
18987 \setbox\@tempboxa\vbox{\hsize\maxdimen
18988 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
18989 \fi
18990 \def\@tempa#1#2#3#4#5{%
18991 \ifnum #1>\c@tocdepth \else
18992 \vskip \z@ \@plus.2\p@
18993 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18994 \parindent #2\relax\@afterindenttrue
18995 \interlinepenalty\@M
18996 \leavevmode
18997 \@tempdima #3\relax
18998 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
18999 {#4}\nobreak
19000 \leaders\hbox{$\m@th
19001 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19002 mu$}\hfill
19003 \nobreak
19004 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
19005 \par}%
19006 \fi}%
19007 \ifx\@dottedtocline\@tempa\else
19008 \tocstyle@macrochangewarning\@dottedtocline
19009 \fi
19010 \let\tocstyle@saved@dottedtocline\@dottedtocline
19011 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
19012 \ifx\numberline\@tempa\else
19013 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
19014 \ifx\numberline\@tempa\else
19015 \tocstyle@macrochangewarning\numberline
19016 \fi
19017 \fi
19018 \let\tocstyle@saved@numberline\numberline
19019 }
19020 \renewcommand*{\tocstyle@l@define}[2]{%

```



```

19021 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
19022 \edef\@tempa{%
19023   \noexpand\global\noexpand\let
19024   \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19025   \expandafter\noexpand\csname l@#1\endcsname
19026   \noexpand\gdef
19027   \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19028     \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
19029     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@#1{%
19030       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19031       \expandafter\noexpand\csname tocstyle@l@#1\endcsname
19032     }%
19033   }%
19034   \PackageInfo{tocstyle}{prepare \expandafter\string
19035     \csname l@#1\endcsname\space for redefinition}%
19036   \@tempa
19037 }

```

7.119 todonotes-xetex-bidi.def

```

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

```




```

19068         \fi
19069         {\par\noindent\begin{tikzpicture}[remember picture]%
19070             \draw node[inlinenotestyle] {}; \end{tikzpicture}\par}%
19071     \else%
19072         {\par\noindent\begin{tikzpicture}[remember picture]%
19073             \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19074             \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{%
19075                 \if@todonotes@authorgiven%
19076                     {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19077                     \else%
19078                         {\noindent \@todonotes@sizecommand \@todonotes@text}%
19079                     \fi};%
19080             \end{tikzpicture}\par}%
19081     \fi}%
19082 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
19083 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
19084     \node [coordinate] (inText) {};%
19085 \end{tikzpicture}%
19086 \marginpar[{\% Draw note in left margin
19087     \@todonotes@drawMarginNote%
19088     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
19089 }]{\% Draw note in right margin
19090     \@todonotes@drawMarginNote%
19091     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
19092 }%
19093 }%
19094 \renewcommand{\@todonotes@drawMarginNote}{%
19095 \if@todonotes@dviStyle%
19096     \begin{tikzpicture}[remember picture]%
19097         \draw node[notestyle] {};%
19098     \end{tikzpicture}\\%
19099     \begin{minipage}{\@todonotes@textwidth}%
19100         \if@todonotes@authorgiven%
19101             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
19102         \else%
19103             \@todonotes@sizecommand \@todonotes@text%
19104         \fi%
19105     \end{minipage}\\%
19106     \begin{tikzpicture}[remember picture]%
19107         \draw node[notestyle] (inNote) {};%
19108     \end{tikzpicture}%
19109 \else%
19110     \let\originalHbadness\hbadness%
19111     \hbadness 100000%
19112     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
19113         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19114         \node(X){\vphantom{X}};%
19115         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{%
19116             {\@todonotes@text}};%
19117         \if@todonotes@authorgiven%

```



```

19118      \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19119              {\@todonotes@sizecommand\@todonotes@author};%
19120      \node(Y)[below=of X]{};%
19121      \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19122              {\@todonotes@text};%
19123      \else%
19124      \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
19125              {\@todonotes@text};%
19126      \fi%
19127      \end{tikzpicture}%
19128      \hbadness \originalHbadness%
19129 \fi}%
19130 \renewcommand{\missingfigure}[2][]{%
19131   \setkeys{todonotes}{#1}%
19132   \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
19133 \par
19134 \noindent
19135 \begin{tikzpicture}
19136   \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
19137     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
19138   \if@bidi@todonotes@figposition@right%
19139     \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19140       \fi%
19141       \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
19142         (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
19143       \if@bidi@todonotes@figposition@right%
19144         \end{scope}
19145       \begin{scope}[xshift=-3.8cm]
19146         \fi%
19147         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19148         \draw (2, -0.3) node[right, text
19149           width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
19150         \if@bidi@todonotes@figposition@right%
19151         \end{scope}
19152         \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19153         \fi%
19154         \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19155         \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19156         \if@bidi@todonotes@figposition@right%
19157         \end{scope}
19158         \fi%
19159       \end{tikzpicture}\hfill
19160   }% Ending \missingfigure command
19161 \fi % Ending \@todonotes@ifdisabled
19162 \presetkeys%
19163   {todonotes}%
19164   {align=left,%
19165     textdirection=lefttoright,%
19166     figposition=left}{}%

```



7.120 wrapfig-xetex-bidi.def

```

19167 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
19168 \let\WF@@everypar\ bidi@n@everypar
19169 \def\WF@putfigmaybe{%
19170 \ifinner
19171 \vskip-\parskip \global\WF@floatfalse
19172 \let\pagetotal\maxdimen % kludge flag for "not top of page"
19173 \else % outer page
19174 \@tempdima\pagedepth % save page depth
19175 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
19176 \penalty\interlinepenalty % update pg. parameters
19177 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
19178 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
19179 \global\WF@floatfalse
19180 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
19181 \else
19182 \ifdim\WF@size>\@tempdimb
19183 \ifWF@float \dimen@.5\baselineskip \else \dimen@2\baselineskip\fi
19184 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
19185 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
19186 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
19187 \advance\dimen@.5\baselineskip
19188 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
19189 \global\WF@floatfalse \pagebreak
19190 \fi
19191 \else % \WF@info{Fits in \the\@tempdimb;}%
19192 \global\WF@floatfalse
19193 \fi\fi
19194 \vskip\@tempdima\relax % (return erased page depth)
19195 \fi
19196 \noindent
19197 \ifWF@float
19198 \WF@fltmes
19199 \else % putting here;
19200 \WF@info{Put \WF@wfname here:}%
19201 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
19202 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
19203 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
19204 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
19205 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
19206 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
19207 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
19208 \xdef\WF@adlw{\the\@tempdima}%
19209 \ifnum `l=\WF@place % fig on left
19210 \if@RTL%
19211 \kern\@tempdimb \kern\columnsep
19212 \def\@tempa{\hss}% position to left of the gap
19213 \else%
19214 \hss % figure overlaps space to the left

```



```

19215 \def\@tempa{\kern\columnsep}% position to left of the gap
19216 \fi%
19217 \else % fig on right
19218 \if@RTL%
19219 \hss
19220 \@tempdima\z@
19221 \def\@tempa{\kern\columnsep}
19222 \else%
19223 \@tempdima\z@ % no left indentation
19224 \kern\@tempdimb \kern\columnsep
19225 \def\@tempa{\hss}% figure overlaps space to the right
19226 \fi%
19227 \fi
19228 \ifdim\@tempdimb<\hsize
19229 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
19230 \xdef\WF@adjtlm{\the\@tempdima}%
19231 \else
19232 \xdef\WF@wrapil{\z@ \the\hsize}%
19233 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
19234 \fi
19235 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
19236 \global\advance\WF@size-\intextsep
19237 \else % \WF@info{Putting \WF@wfname in middle of page}%
19238 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
19239 \fi \dp\WF@box\z@ \box\WF@box \@tempa
19240 }% end \hbox to Opt
19241 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
19242 \fi}

```

7.121 xcolor-xetex-bidi.def

```

19243 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
19244 \long\def\color@b@x#1#2#3%
19245 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
19246 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
19247 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
19248 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
19249 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
19250 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
19251 \DeclareRobustCommand\color
19252 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}
19253 \def\@undeclaredcolor[#1]#2%
19254 {\begingroup
19255 \let\@cls\@empty
19256 \XC@getmodclr12{#1}{#2}{}%
19257 {\ifblendcolors
19258 \ifx\colorblend\@empty\else
19259 \edef\@mix{\expandafter@gobble\colorblend}\@tempswafalse
19260 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
19261 \fi

```



```

19262 \fi
19263 \ifconvertcolorsU
19264 \edef\@tmp{\XC@tgt@mod{\@mod}}%
19265 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19266 \fi
19267 \ifmaskcolors
19268 \convertcolorspec\@mod\@clr\XC@mmod\@clr
19269 \let\@mod\XC@mmod
19270 \XC@inflate\@mod\XC@mclr\@clr\@tmp
19271 \expandafter\XC@mul\@tmp,\@clr
19272 \fi
19273 \edef\@tmp{noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
19274 \expandafter\endgroup\@tmp}}
19275 \def\@declaredcolor#1%
19276 {\XC@edef\XC@tmp{#1}\XC@tstfalse
19277 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
19278 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
19279 \ifconvertcolorsU\XC@tsttrue\fi
19280 \fi
19281 \ifXC@tst
19282 \expandafter\XC@declaredcolor\else
19283 \expandafter\XC@declaredcolor\fi}
19284 \def\XC@undeclaredcolor#1#2%
19285 {\@ifundefinedmodel{#1}%
19286 {\color@error{model `#1'}}%
19287 {\@nameuse{color@#1}\current@color{#2}%
19288 \edef\XC@current@color{noexpand\xcolor@{\current@color}{#1}{#2}}%
19289 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19290 \def\XC@declaredcolor
19291 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
19292 \edef\current@color{\XC@current@color}%
19293 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19294 \DeclareRobustCommand\bidicolor
19295 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
19296 \def\@bidiundeclaredcolor[#1]#2%
19297 {\begingroup
19298 \let\@cls\@empty
19299 \XC@getmodclr12{#1}{#2}{}%
19300 {\ifblendcolors
19301 \ifx\colorblend\@empty\else
19302 \edef\@mix{\expandafter@gobble\colorblend}\@tempswafalse
19303 \XC@coremodel\@mod\@clr\@xcolor@{\}\@mod\@clr
19304 \fi
19305 \fi
19306 \ifconvertcolorsU
19307 \edef\@tmp{\XC@tgt@mod{\@mod}}%
19308 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19309 \fi
19310 \ifmaskcolors
19311 \convertcolorspec\@mod\@clr\XC@mmod\@clr

```



```

19312 \let\@@mod\XC@mmod
19313 \XC@inflate\@@mod\XC@mclr\@@clr\@@tmp
19314 \expandafter\XC@mul\@@tmp,\@@clr
19315 \fi
19316 \edef\@@tmp{\noexpand\XC@bidiundeclaredcolor{\@@mod}{\@@clr}}%
19317 \expandafter\endgroup\@@tmp}}
19318 \def\XC@bidiundeclaredcolor#1#2%
19319 {\@ifundefinedmodel{#1}%
19320 {\color@error{model `#1'}}%
19321 {\@nameuse{color@#1}\current@color{#2}%
19322 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
19323 \XC@display}}
19324 \def\@bidideclaredcolor#1%
19325 {\XC@edef\XC@tmp{#1}\XC@tstfalse
19326 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
19327 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
19328 \ifconvertcolorsU\XC@tsttrue\fi
19329 \fi
19330 \ifXC@tst
19331 \expandafter\XC@bidideclaredcolor\else
19332 \expandafter\XC@bidideclaredcolor\fi}
19333 \def\XC@bidideclaredcolor
19334 {\XC@split\XC@tmp
19335 \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@@mod]{\@@clr}}%
19336 \expandafter\endgroup\@@tmp}
19337 \def\XC@bidideclaredcolor
19338 {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
19339 \edef\current@color{\XC@current@color}%
19340 \XC@display}
19341 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
19342 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
19343 \def\color@fb@x#1#2#3#4%
19344 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
19345 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
19346 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.122 latex-xetex-bidi.def

```

19347 \ProvidesFile{latex-xetex-bidi.def}[2016/09/11 v1.2.8 bidi adaptations for `latex.ltx' for XeTeX]
19348 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
19349 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
19350 \TeXXeTOn
19351 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
19352 \let\bidi@o@everypar=\everypar
19353 \newtoks\bidi@n@everypar
19354 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
19355 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
19356 \let\everypar=\bidi@n@everypar
19357 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
19358 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}

```



```

19359 \protected\def\hboxR{\hbox\bgroup
19360 \everyhbox{%
19361 \aftergroup\egroup
19362 \everyhbox{}}%
19363 \beginR
19364 \bgroup
19365 \aftergroup\endR
19366 \aftergroup\egroup
19367 }\hbox}
19368 \protected\def\hboxL{\hbox\bgroup
19369 \everyhbox{%
19370 \aftergroup\egroup
19371 \everyhbox{}}%
19372 \beginL
19373 \bgroup
19374 \aftergroup\endL
19375 \aftergroup\egroup
19376 }\hbox}
19377 \protected\def\vboxR{\vbox\bgroup
19378 \everyvbox{%
19379 \aftergroup\egroup
19380 \everyvbox{}}%
19381 \@RTLtrue
19382 \bgroup
19383 \aftergroup\egroup
19384 }\vbox}
19385 \protected\def\vboxL{\vbox\bgroup
19386 \everyvbox{%
19387 \aftergroup\egroup
19388 \everyvbox{}}%
19389 \@RTLfalse
19390 \bgroup
19391 \aftergroup\egroup
19392 }\vbox}
19393 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
19394 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
19395 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
19396 \def\endLTR{\par}
19397 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
19398 \def\endRTL{\par}
19399 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
19400 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
19401 \let\unsetRTL=\setLTR
19402 \let\unsetLTR=\setRTL
19403 \let\LR=\LRE
19404 \let\RL=\RLE
19405 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
19406 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
19407 \let\@ensure@RL=\@ensure@RTL
19408 \let\@ensure@LR=\@ensure@LTR

```



```

19409 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
19410 \let\@ensure@maindir=\@ensure@dir
19411 \def\@RTL{RTL}
19412 \def\@LTR{LTR}
19413 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
19414 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
19415 \let\@TeX\TeX
19416 \def\TeX{\@ensure@LTR{\@TeX}}
19417 \let\@LaTeX\LaTeX
19418 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
19419 \let\@LaTeXe\LaTeXe
19420 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
19421 \long\def\bidireflect@box#1{%
19422   \leavevmode
19423   \setbox\z@\hbox{#{#1}}%
19424   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
19425   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
19426 }
19427 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
19428   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
19429 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
19430   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
19431 \let\setRL=\setRTL
19432 \let\setLR=\setLTR
19433 \let\unsetRL=\setLTR
19434 \def\biditabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
19435 \ifpackageloaded{array}{%
19436 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
19437   \leavevmode
19438   \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
19439   \let\dollarend\end\group
19440   \@tabarray}
19441 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}
19442 }{%
19443 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
19444   \leavevmode \hbox \bgroup
19445   $\left.\let\@acol\@tabacol
19446   \let\@classz\@tabclassz
19447   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
19448
19449 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
19450   \egroup\right\rbrace $\egroup
19451   \@RTLtabfalse}
19452 }
19453 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
19454   \ialign{##\hfil$&\quad{##}\hfil\crr#1\crr}}\,,\right\}}
19455 \renewenvironment{RTLcases}{%
19456 \bidi@matrix@check\RTLcases\env@RTLcases
19457 }{%
19458 \endbidi@tabular@RTLcases%

```




```

19459 }
19460 \def\env@RTLcases{%
19461   \let\@ifnextchar\@ifnextchar
19462   \def\arraystretch{1.2}%
19463   \bidi@tabular@RTLcases{\@{}r@{\quad}r@{}}%
19464 }
19465 \def\SepMark#1{\gdef\@SepMark{#1}}
19466 \SepMark{.}
19467 \def\@thmcountersep{\@SepMark}
19468 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
19469 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
19470 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
19471 \def\list#1#2{%
19472   \ifnum \@listdepth >5\relax
19473     \@toodeep
19474   \else
19475     \global\advance\@listdepth\@ne
19476   \fi
19477   \rightmargin\z@
19478   \listparindent\z@
19479   \itemindent\z@
19480   \csname @list\romannumeral\the\@listdepth\endcsname
19481   \def\@itemlabel{#1}%
19482   \let\makelabel\@mklab
19483   \@nmbrlistfalse
19484   #2\relax
19485   \@trivlist
19486   \parskip\parsep
19487   \parindent\listparindent
19488   \advance\linewidth -\rightmargin
19489   \advance\linewidth -\leftmargin
19490   \if@bidi@list@minipage@parbox
19491     \if@RTL
19492       \advance\@totalleftmargin \leftmargin
19493     \else
19494       \advance\@totalleftmargin \rightmargin
19495     \fi
19496   \else
19497     \if@RTLtab
19498       \if@bidi@list@minipage@parbox@not@nob
19499       \if@RTL
19500         \advance\@totalleftmargin \rightmargin
19501       \else
19502         \advance\@totalleftmargin \leftmargin
19503       \fi
19504     \else
19505       \if@RTL
19506         \advance\@totalleftmargin \leftmargin
19507       \else
19508         \advance\@totalleftmargin \rightmargin

```



```

19509 \fi\fi
19510 \else
19511 \if@RTL
19512 \advance\@totalleftmargin \rightmargin
19513 \else
19514 \advance\@totalleftmargin \leftmargin
19515 \fi\fi\fi
19516 \parshape \@ne \@totalleftmargin \linewidth
19517 \ignorespaces}
19518 \long\def\@iiiparbox#1#2[#3]#4#5{%
19519 \leavevmode
19520 \@pboxswfalse
19521 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
19522 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
19523 \setlength\@tempdima{#4}%
19524 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
19525 \ifx\relax#2\else
19526 \setlength\@tempdimb{#2}%
19527 \edef\@parboxto{to\the\@tempdimb}%
19528 \fi
19529 \if#1b\vbox
19530 \else\if #1t\top
19531 \else\ifmmode\vcenter
19532 \else\@pboxswtrue $\vcenter
19533 \fi\fi\fi
19534 \@parboxto{\let\hss\vss\let\unhbox\unvbox
19535 \csname bm@#3\endcsname}%
19536 \if@pboxsw \m@th$\fi
19537 \@end@tempboxa}
19538 \def\@bidi@lrbox#1{%
19539 \edef\reserved@a{%
19540 \endgroup
19541 \setbox#1\hbox{%
19542 \begingroup\aftergroup}%
19543 \def\noexpand\@currentvir{\@currentvir}%
19544 \def\noexpand\@currentvline{\on@line}}%
19545 \reserved@a
19546 \@endpefalse
19547 \color@begingroup
19548 \ignorespaces}
19549 \def\@endbidi@lrbox{\unskip\color@endgroup}
19550 \newenvironment{LTRitems}
19551 {\par\@RTLfalse
19552 \if@bidi@list@minipage@parbox
19553 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
19554 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
19555 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
19556 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
19557 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
19558 \ignorespaces}{\vskip\z@}

```



```

19559 \newenvironment{RTLitems}
19560     {\par\@RTLtrue
19561       \if@bidi@list@minipage@parbox
19562         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
19563         \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
19564           \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
19565           \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
19566         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
19567         \ignorespaces}{\vskip\z@}
19568 \newenvironment{LTRbibitems}
19569     {\par\@RTLfalse
19570       \if@bidi@list@minipage@parbox
19571         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
19572         \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
19573           \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
19574           \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
19575         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
19576         \ignorespaces}{\vskip\z@}
19577 \newenvironment{RTLbibitems}
19578     {\par\@RTLtrue
19579       \if@bidi@list@minipage@parbox
19580         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
19581         \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
19582           \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
19583           \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
19584         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
19585         \ignorespaces}{\vskip\z@}
19586 \def\raggedright{%
19587   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
19588   \leftskip\z@skip
19589   \parindent\z@\parfillskip\z@skip}
19590 \let\bidi@orig@raggedleft\raggedleft
19591 \let\bidi@orig@raggedright\raggedright
19592 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\ifRTLtab\b
19593 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\ifRTLtab\b
19594 \newcommand{\bidi@raggedright}{\ifRTL\raggedleft\else\raggedright\fi}
19595 \newcommand{\bidi@raggedleft}{\ifRTL\raggedright\else\raggedleft\fi}
19596 \def\centerline#1{%
19597 \ifRTL\@@line{\hss\beginR#1\endR\hss}
19598 \else\@@line{\hss#1\hss}\fi}
19599 \def\leftline#1{%
19600 \ifRTL\@@line{\beginR#1\endR\hss}
19601 \else\@@line{#1\hss}\fi}
19602 \def\rightline#1{%
19603 \ifRTL\@@line{\hss\beginR#1\endR}
19604 \else\@@line{\hss#1}\fi}
19605 \let\bidi@orig@leftline\leftline
19606 \let\bidi@orig@rightline\rightline
19607 \def\leftline#1{\ifhmode\ifRTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
19608 \def\rightline#1{\ifhmode\ifRTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\

```



```

19609 \def\bidirlap#1{\hb@xt@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
19610 \def\bidillap#1{\hb@xt@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
19611 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
19612 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
19613 \def\narrower{%
19614 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
19615 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
19616 \def\underline#1{%
19617 \relax
19618 \ifmmode\@underline{#1}%
19619 \else
19620 \if@RTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
19621 \else
19622 $\@underline{\hbox{#1}}\m@th$\relax\fi\fi}
19623 \ifcompatibility
19624 \let\underline=\underline
19625 \fi
19626 \global\@RTLtabfalse
19627 \def\@tabular{\if@RTL\@RTLtabtrue\fi
19628 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
19629 $\let\@acol\@tabacol
19630 \let\@classz\@tabclassz
19631 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
19632 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
19633 \egroup $\if@RTLtab\endR\fi\egroup
19634 \@RTLtabfalse}
19635 \expandafter \let \csname endtabular*\endcsname = \endtabular
19636 \def\@array[#1]#2{%
19637 \if #1t\top \else \if#1b\bottom \else \vcenter \fi\fi
19638 \bgroup
19639 \setbox\@arstrutbox\hbox{%
19640 \vrule \@height\arraystretch\ht\strutbox
19641 \@depth\arraystretch \dp\strutbox
19642 \@widthz@}%
19643 \@mkpream{#2}%
19644 \edef\@preamble{%
19645 \ialign \noexpand\@halignto
19646 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
19647 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
19648 \let\tabularnewline\\%
19649 \let\par\@empty
19650 \let\@sharp##%
19651 \set@typeset@protect
19652 \lineskip\z@skip\baselineskip\z@skip
19653 \ifhmode \@preamerr\z@ \@par\fi
19654 \if@RTLtab\hbox\bgroup\beginR\if #1t\top \else \bottom \fi\bgroup\fi
19655 \@preamble}
19656 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
19657 \let\@classiv\@arrayclassiv
19658 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}

```



```

19659 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
19660 \ifnum \@lastchclass=3 5 \else
19661 \z@ \if #1c\@chnum \z@ \else
19662 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
19663 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
19664 \@chclass \if #1|\@ne \else
19665 \if #1@\tw@ \else
19666 \if #1p3 \else \z@ \@preamerr 0\fi
19667 \fi \fi \fi \fi \fi \fi
19668 \fi}
19669 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
19670 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
19671 \def\bm@t{\unhbox\@tempboxa\hss}
19672 \def\bm@b{\hss\unhbox\@tempboxa}
19673 \def\@dottedtocline#1#2#3#4#5{%
19674 \ifnum #1>\c@tocdepth \else
19675 \vskip \z@ \@plus.2\p@
19676 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg \
19677 \parindent #2\relax\@afterindenttrue
19678 \interlinepenalty\@M
19679 \leavevmode
19680 \@tempdima #3\relax
19681 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
19682 {#4}\nobreak
19683 \leaders\hbox{$\m@th
19684 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19685 mu$}\hfill
19686 \nobreak
19687 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
19688 \par}%
19689 \fi}
19690
19691
19692 \def\RTL@outputdblcol{%
19693 \if@firstcolumn
19694 \global\@firstcolumnfalse
19695 \global\setbox\@leftcolumn\copy\@outputbox
19696 \splitmaxdepth\maxdimen
19697 \vbadness\maxdimen
19698 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19699 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19700 \toks@\expandafter{\topmark}%
19701 \xdef\@firstcoltopmark{\the\toks@}%
19702 \toks@\expandafter{\splitfirstmark}%
19703 \xdef\@firstcolfirstmark{\the\toks@}%
19704 \ifx\@firstcolfirstmark\@empty
19705 \global\let\@setmarks\relax
19706 \else
19707 \gdef\@setmarks{%
19708 \let\firstmark\@firstcolfirstmark

```



```

19709         \let\topmark\@firstcoltopmark}%
19710     \fi
19711 \else
19712     \global\@firstcolumntrue
19713     \setbox\@outputbox\vbox{%
19714         \hb@xt@\textwidth{%
19715             \hskip \columnwidth
19716             \hfil
19717             {\normalcolor\vrule \@width\columnseprule}%
19718             \hfil
19719             \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
19720             \hskip -\textwidth
19721             \hb@xt@\columnwidth{\box\@outputbox \hss}%
19722             \hskip \columnsep
19723             \hskip \columnwidth }}%
19724 \combinedblfloats
19725 \setmarks
19726 \outputpage
19727 \begingroup
19728 \dblfloatplacement
19729 \startdblcolumn
19730 \@whilesw\if@fcolmade \fi{\@outputpage
19731 \startdblcolumn}%
19732 \endgroup
19733 \fi}%
19734
19735 \def\LTR@outputdblcol{%
19736     \if@firstcolumn
19737         \global\@firstcolumnfalse
19738         \global\setbox\@leftcolumn\copy\@outputbox
19739         \splitmaxdepth\maxdimen
19740         \vbadness\maxdimen
19741         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19742         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19743         \toks@\expandafter{\topmark}%
19744         \xdef\@firstcoltopmark{\the\toks@}%
19745         \toks@\expandafter{\splitfirstmark}%
19746         \xdef\@firstcolfirstmark{\the\toks@}%
19747         \ifx\@firstcolfirstmark\@empty
19748             \global\let\setmarks\relax
19749         \else
19750             \gdef\setmarks{%
19751                 \let\firstmark\@firstcolfirstmark
19752                 \let\topmark\@firstcoltopmark}%
19753         \fi
19754     \else
19755         \global\@firstcolumntrue
19756         \setbox\@outputbox\vbox{%
19757             \hb@xt@\textwidth{%
19758                 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%

```



```

19759      \hfil
19760      {\normalcolor\vrule \@width\columnseprule}%
19761      \hfil
19762      \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
19763 \combinedblfloats
19764 \setmarks
19765 \outputpage
19766 \beginngroup
19767 \dblfloatplacement
19768 \startdblcolumn
19769 \@whiles\if@colmade \fi{\@outputpage
19770 \startdblcolumn}%
19771 \endgroup
19772 \fi}%
19773
19774
19775 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
19776 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
19777 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
19778 \def\LTRmarginpar{%
19779 \ifhmode
19780 \bsphack
19781 \@floatpenalty -\@Mii
19782 \else
19783 \@floatpenalty-\@Miii
19784 \fi
19785 \ifinner
19786 \@parmoderr
19787 \@floatpenalty\z@
19788 \else
19789 \@next\@currbox\@freelist{}{}%
19790 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
19791 {\@floatpenalty\z@
19792 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
19793 \fi
19794 \@ifnextchar [\@LTRxmpar\@LTRympar}
19795 \long\def\@LTRxmpar[#1]#2{%
19796 \LTRsavemarbox\@marbox{#1}%
19797 \LTRsavemarbox\@currbox{#2}%
19798 \xympar}
19799 \long\def\@LTRympar#1{%
19800 \LTRsavemarbox\@marbox{#1}%
19801 \global\setbox\@currbox\copy\@marbox
19802 \xympar}
19803 \long\def \LTRsavemarbox #1#2{%
19804 \global\setbox #1%
19805 \color@vbox
19806 \vtop{%
19807 \hsize\marginparwidth
19808 \@parboxrestore

```



```

19809         \@LTRmarginparreset
19810         #2%
19811         \@minipagefalse
19812         \outer@nobreak
19813     }%
19814     \color@endbox
19815 }
19816 \def \@LTRmarginparreset {%
19817     \reset@font
19818     \normalsize
19819     \@minipagetrue
19820     \everypar{\@minipagefalse\everypar{}\beginL}%
19821 }
19822 \def\RTLmarginpar{%
19823     \ifhmode
19824         \@bsphack
19825         \@floatpenalty -\@Mii
19826     \else
19827         \@floatpenalty-\@Miii
19828     \fi
19829     \ifinner
19830         \@parmoderr
19831         \@floatpenalty\z@
19832     \else
19833         \@next\@currbox\@freelist{}\}%
19834         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
19835         {\@floatpenalty\z@
19836         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
19837     \fi
19838     \@ifnextchar [\@RTLxmpar\@RTLympar]
19839 \long\def\@RTLxmpar[#1]#2{%
19840     \@RTLSavemarbox\@marbox{#1}%
19841     \@RTLSavemarbox\@currbox{#2}%
19842     \@xympar}
19843 \long\def\@RTLympar#1{%
19844     \@RTLSavemarbox\@marbox{#1}%
19845     \global\setbox\@currbox\copy\@marbox
19846     \@xympar}
19847 \long\def \@RTLSavemarbox #1#2{%
19848     \global\setbox #1%
19849     \color@vbox
19850     \vtop{%
19851         \hsize\marginparwidth
19852         \@parboxrestore
19853         \@RTLmarginparreset
19854         #2%
19855         \@minipagefalse
19856         \outer@nobreak
19857     }%
19858     \color@endbox

```




```

19859 }
19860 \def \@RTLmarginparreset {%
19861     \reset@font
19862     \normalsize
19863     \@minipagetrue
19864     \everypar{\@minipagefalse\everypar{}\beginR}%
19865 }
19866 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
19867     \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
19868     \if@twocolumn
19869         \if@firstcolumn \@tempcnta\m@ne \fi
19870     \else
19871         \if@mparswitch
19872             \ifodd\c@page \else\@tempcnta\m@ne \fi
19873         \fi
19874         \if@reversemargin \@tempcnta -\@tempcnta \fi
19875     \fi
19876     \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
19877     \@tempdima\@mparbottom
19878     \advance\@tempdima -\@pageht
19879     \advance\@tempdima\ht\@marbox
19880     \ifdim\@tempdima >\z@
19881         \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
19882     \else
19883         \@tempdima\z@
19884     \fi
19885     \global\@mparbottom\@pageht
19886     \global\advance\@mparbottom\@tempdima
19887     \global\advance\@mparbottom\dp\@marbox
19888     \global\advance\@mparbottom\marginparpush
19889     \advance\@tempdima -\ht\@marbox
19890     \global\setbox \@marbox
19891         \vbox {\vskip \@tempdima
19892             \box \@marbox}%
19893     \global \ht\@marbox \z@
19894     \global \dp\@marbox \z@
19895     \kern -\@pagedp
19896     \nointerlineskip
19897     \hb@xt@\columnwidth
19898     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
19899         \hskip\columnwidth \hskip\marginparsep
19900     \else
19901         \hskip -\marginparsep \hskip -\marginparwidth
19902     \fi
19903     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
19904     \nointerlineskip
19905     \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
19906 \long\def\ympar#1{%
19907     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
19908     \global\setbox\@currbox\copy\@marbox

```



```

19909 \@xympar}
19910 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
19911 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
19912 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
19913 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
19914 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
19915 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
19916 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
19917 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
19918 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
19919 \fi}
19920 \def\@outputpage{%
19921 \begingroup % the \endgroup is put in by \aftergroup
19922 \let \protect \noexpand
19923 \@resetactivechars
19924 \global\let\@if@newlist\if@newlist
19925 \global\@newlistfalse
19926 \@parboxrestore
19927 \shipout \vbox{%
19928 \set@typeset@protect
19929 \aftergroup \endgroup
19930 \aftergroup \set@typeset@protect
19931 % correct? or just restore by ending
19932 % the group?
19933 \if@specialpage
19934 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
19935 \fi
19936 \if@twoside
19937 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
19938 \let\@themargin\oddsidemargin
19939 \else \let\@thehead\@evenhead
19940 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
19941 \fi
19942 \ifx\@thehead\@empty \let\@thehead\hfil \fi
19943 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
19944 \else %% not @twoside
19945 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
19946 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
19947 \fi
19948 \reset@font
19949 \normalsize
19950 \normalsfcodes
19951 \let\label\@gobble
19952 \let\index\@gobble
19953 \let\glossary\@gobble
19954 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
19955 \@begindvi
19956 \vskip \topmargin
19957 \moveright\@themargin \vbox {%
19958 \setbox\@tempboxa \vbox to\headheight{%

```



```

19959      \vfil
19960      \color@hbox
19961      \normalcolor
19962      \hb@xt@{\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
19963      \color@endbox
19964      }%
19965      \dp\@tempboxa \z@
19966      \box\@tempboxa
19967      \vskip \headsep
19968      \box\@outputbox
19969      \baselineskip \footskip
19970      \color@hbox
19971      \normalcolor
19972      \hb@xt@{\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
19973      \color@endbox
19974      }%
19975      }%
19976      \global\let\if@newlist\@if@newlist
19977      \global \colht \textheight
19978      \stepcounter{page}%
19979      \let\firstmark\botmark
19980  }
19981  \long\def\@makecaption#1#2{%
19982      \vskip\abovecaptionskip
19983      \sbox\@tempboxa{#1: #2}%
19984      \ifdim \wd\@tempboxa >\hsize
19985          \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
19986      \else
19987          \global \@minipagefalse
19988          \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
19989          \fi
19990          \vskip\belowcaptionskip}
19991  \let\@bidi@sav@eqno=\eqno
19992  \let\@bidi@sav@leqno=\leqno
19993  \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@sav@leqno \else \bidi@sav@eqno \fi}
19994  \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@sav@eqno \else \bidi@sav@leqno \fi}
19995  \@ifpackageloaded{amsmath}{-}{-}
19996  \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
19997  }
19998  \input{footnote-xetex-bidi.def}
19999  \if@twocolumn
20000      \let\autofootnoterule\relax
20001      \let\leftfootnoterule\relax
20002      \let\rightfootnoterule\relax
20003      \textwidthfootnoterule
20004  \fi
20005  \if@bidi@csundef{\@idxitem}{-}{-}
20006  \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
20007  }
20008  \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}

```

```

20009 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
20010 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
20011 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
20012 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
20013 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
20014 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
20015 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
20016 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
20017 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
20018 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
20019 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
20020 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
20021 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
20022 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
20023 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
20024 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
20025 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
20026 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
20027 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
20028 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
20029 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
20030 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
20031 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
20032 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
20033 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
20034 \@ifpackageloaded{amsmath}{}%
20035 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
20036 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
20037 }
20038 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
20039 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
20040 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
20041 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
20042 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
20043 \@ifpackagewith{algorithm2e}{algonl}{%
20044 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}
20045 }{}
20046 \@ifpackagewith{algorithm2e}{algopart}{\renewcommand{\algocf@within}{part}}{}
20047 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
20048 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
20049 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
20050 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
20051 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
20052 \@ifpackageloaded{animate}{\input{animate-xetex-bidi.def}}{}
20053 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
20054 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
20055 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
20056 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
20057 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
20058 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}

```



```

20059 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
20060 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
20061 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
20062 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
20063 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
20064 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
20065 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
20066 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
20067 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
20068 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
20069 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
20070 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
20071 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
20072 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
20073 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
20074 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
20075 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
20076 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
20077 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
20078 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
20079 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
20080 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
20081 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
20082 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
20083 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
20084 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
20085 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
20086 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
20087 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
20088 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
20089 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
20090 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
20091 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
20092 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
20093 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
20094 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
20095 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
20096 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
20097 \@ifpackagewith{sidecap}{innercaption}{%
20098 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
20099 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {{#1}\hspace{\sidecaptionsep}{#2}}}
20100 \renewcommand*{\SC@justify@caption}{%
20101 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
20102 \renewcommand*{\SC@FLOAT}[2]{%
20103 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {{#2}\hspace{\sidecaptionsep}{#1}}}
20104 \renewcommand*{\SC@justify@caption}{%
20105 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
20106 }{}
20107 \@ifpackagewith{sidecap}{rightcaption}{%
20108 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}

```



```

20109 \def\SC@justify@caption{\RaggedLeft}\else%
20110 \renewcommand*{\SC@FLOAT}[2]{\#2}\hspace{\sidecaptionsep}{\#1}}
20111 \def\SC@justify@caption{\RaggedRight}\fi%
20112 }{}
20113 \@ifpackagewith{sidecap}{leftcaption}{%
20114 \ifRTL \renewcommand*{\SC@FLOAT}[2]{\#2}\hspace{\sidecaptionsep}{\#1}}
20115 \def\SC@justify@caption{\RaggedRight}\else%
20116 \renewcommand*{\SC@FLOAT}[2]{\#1}\hspace{\sidecaptionsep}{\#2}}
20117 \def\SC@justify@caption{\RaggedLeft}\fi%
20118 }{}
20119 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
20120 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
20121 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
20122 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
20123 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
20124 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
20125 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
20126 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
20127 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
20128 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
20129 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
20130 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
20131 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
20132 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
20133 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
20134 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
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20138 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xetex-bidi.def}}{}}
20139 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
20140 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

7.123 xltextra-xetex-bidi.def

```

20141 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for X
20142 \let\@XeTeX\XeTeX
20143 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
20144 \let\@XeLaTeX\XeLaTeX
20145 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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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

