



The bidi *Package*

Documentation for *version 18.8*

to my Master, Ferdowsi The Great

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The *bid* Package

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

Documentation for *version 18.8*

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Introduction

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

bidi Info On The Terminal and In The Log File

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

```
*****
*
* bidi package (Bidirectional typesetting in
* plain TeX and LaTeX, using XeTeX engine)
*
* Description: A convenient interface for
* typesetting bidirectional texts in plain TeX
* and LaTeX. The package includes adaptations
* for use with many other commonly-used packages.
*
* Copyright (c) 2009--2015 Vafa Khalighi
*
* 2015/11/23, v18.8
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/persian-tex/bidi/issues
*
* Support: persian-tex@tug.org
*****
```

Part I

\LaTeX Manual

1 Basics

1.1 Loading The Package

You can load the package in the ordinary way;



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

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

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

For instance, consider the following minimal example:

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

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

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

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

```
1.4 \begin{document}
```

```
?
```

1.2 bidi's Symbol

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

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



1.3 Commands for Version number, and Date of The Package

`\bidiversion \bididate`

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

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

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

1.4 Turning TeX--XeT features on and off

The bidirectional typesetting in Xe_TEX 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 T_EX, the typesetting of a document by TeX--XeT may therefore differ from that performed by T_EX. 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 T_EX. 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
  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 \begin{LTR}
7 Anyone who reads Old and Middle English \RLE{Short RTL text} 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 \end{LTR}
11 \end{RTL}
12 \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.

1.11 RTL cases

`\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.

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

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

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

1.12 Typesetting Logos

```
\XeTeX \XeLaTeX
```

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

1.13 Separation Mark

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

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

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



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

```

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

```

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

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

1.15 Primitive-like commands

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

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

1.16 Something To know about `\hbox`

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



```

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

```

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

```

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

```

1.17 `\bidillap` and `\bidirlap` Commands

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

1.18 `LTRitems` and `RTLitems` Environments

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

```

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

```

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

```

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

```



```

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

```

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

```

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

```

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

```

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

```

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

```

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

```



1.19 LTRbibitems and RTLbibitems Environments

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

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

1.20 `\setLTRbibitems`, `\setRTLbibitems`, and `\setdefaultbibitems` commands

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

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

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

`\if@Latin` inside any environment that uses Latin font is true and inside any environment that uses RTL font is false.



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\rightright\else\leftskip\fi#3\relax \advance\if@RTL\rightright\else\leftskip\fi#3\relax
13 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \kern-.4p@
28 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29 \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31 \hrule\@width 5pc\kern11p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \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 XeT
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\lef
214     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
215     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
216     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
217     \nobreak
218     \endgroup
219   \fi}
220 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
221 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
222 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
223 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
224 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
225   \columnseprule\z@ \columnsep 35\p@
226   \@indextitlestyle
227   \thispagestyle{plain}%
228   \let\item\@idxitem
229   \parindent\z@ \parskip\z@\@plus.3\p@\relax
230   \if@RTL\raggedleft\else\raggedright\fi
231   \hyphenpenalty\@M
232   \footnotesize}
233 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
234 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
235 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
236 \def\righ@footnoterule{%
237   \kern-.4\p@
238   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
239   \kern11\p@\kern-\footnotesep}
240 \def\left@footnoterule{\kern-.4\p@
241   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
242
243 \long\def\@footnotetext#1{%
244   \insert\footins{%
245     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
246     \normalfont\footnotesize
247     \interlinepenalty\interfootnotelinepenalty

```



```

248 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
249 \floatingpenalty\@MM \hsize\columnwidth
250 \@parboxrestore \parindent\normalparindent \sloppy
251 \protected@edef\@currentlabel{%
252   \csname p@footnote\endcsname\@thefnmark}%
253 \@makefnintext{%
254   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
255
256 \long\def\@RTLfootnotetext#1{%
257   \insert\footins{%
258     \@RTLtrue%
259     \normalfont\footnotesize
260     \interlinepenalty\interfootnotelinepenalty
261     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
262     \floatingpenalty\@MM \hsize\columnwidth
263     \@parboxrestore \parindent\normalparindent \sloppy
264     \protected@edef\@currentlabel{%
265       \csname p@footnote\endcsname\@thefnmark}%
266     \@makefnintext{%
267       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
268
269
270 \long\def\@LTRfootnotetext#1{%
271   \insert\footins{%
272     \@RTLfalse%
273     \normalfont\footnotesize
274     \interlinepenalty\interfootnotelinepenalty
275     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
276     \floatingpenalty\@MM \hsize\columnwidth
277     \@parboxrestore \parindent\normalparindent \sloppy
278     \protected@edef\@currentlabel{%
279       \csname p@footnote\endcsname\@thefnmark}%
280     \@makefnintext{%
281       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
282
283
284
285 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
286 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
287 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
288
289 \renewenvironment{thebibliography}[1]{%
290   \@bibtitlestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
293   \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}[2014/09/04 v0.9 bidi adaptations for amsmath package for X
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@Latin\else\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\if@

```

7.6 amstext-xetex-bidi.def

```

339 \ProvidesFile{amstext-xetex-bidi.def}[2013/04/04 v0.1 bidi adaptations for amstext package for X
340 \def\textdef@#1#2#3{\hbox{%
341 \everymath{#1}%
342 \let\f@size#2\selectfont

```



```
343 \if@Latin\else\beginR\fi#3\if@Latin\else\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 array-xetex-bidi.def

```
346 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeTeX]
347 \def\@testpach{\@chclass
348 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
349 \ifnum \@lastchclass=7 5 \else
350 \ifnum \@lastchclass=8 \tw@ \else
351 \ifnum \@lastchclass=9 \thr@@
352 \else \z@
353 \ifnum \@lastchclass = 10 \else
354 \edef\@nextchar{\expandafter\string\@nextchar}%
355 \@chnum
356 \if \@nextchar c\z@ \else
357 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
358 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
359 \z@ \@chclass
360 \if \@nextchar |\@ne \else
361 \if \@nextchar !6 \else
362 \if \@nextchar @7 \else
363 \if \@nextchar <8 \else
364 \if \@nextchar >9 \else
365 10
366 \@chnum
367 \if \@nextchar m\thr@@\else
368 \if \@nextchar p4 \else
369 \if \@nextchar b5 \else
370 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
371 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
372 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
373 \leavevmode
374 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
375 \let\d@llarend\endR
376 \@tabarray}
377 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
378 \expandafter\let\csname endtabular*\endcsname=\endtabular
379 \def\@array[#1]#2{%
380 \@tempdima \ht \strutbox
381 \advance \@tempdima by\extrarowheight
382 \setbox \@arstrutbox \hbox{\vrule
383 \height \arraystretch \@tempdima
384 \depth \arraystretch \dp \strutbox
385 \width \z@}%
386 \beginR
387 \@mkpream{#2}%
```



```

388 \xdef\@preamble{\noexpand \ialign \@halignto
389             \bgroup \@arstrut \@preamble
390             \tabskip \z@ \cr}%
391 \endgroup
392 \@arrayleft
393 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
394 \bgroup
395 \let \@sharp ##\let \protect \relax
396 \lineskip \z@
397 \baselineskip \z@
398 \m@th
399 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop
400 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
401 \def\endarray{\crcr \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
402 \def\array{\col@sep\arraycolsep
403 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
404 \@RTLtabfalse\@tabarray}

```

7.9 article-xetex-bidi.def

```

405 \ProvidesFile{article-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for standard article class]
406 \if@titlepage
407 \renewcommand\maketitle{\begin{titlepage}%
408 \let\footnotesize\small
409 \let\right@footnoterule\relax
410 \let\left@footnoterule\relax
411 \let\textwidth\footnoterule\relax
412 \let \footnote \thanks
413 \let \LTRfootnote \LTRthanks
414 \let \RTLfootnote \RTLthanks
415 \null\vfil
416 \vskip 60\p@
417 \begin{center}%
418 {\LARGE \@title \par}%
419 \vskip 3em%
420 {\large
421 \lineskip .75em%
422 \begin{tabular}[t]{c}%
423 \@author
424 \end{tabular}\par}%
425 \vskip 1.5em%
426 {\large \@date \par}% % Set date in \large size.
427 \end{center}\par
428 \@thanks
429 \vfil\null
430 \end{titlepage}%
431 \setcounter{footnote}{0}%
432 \global\let\thanks\relax
433 \global\let\LTRthanks\relax
434 \global\let\RTLthanks\relax

```



```

435 \global\let\maketitle\relax
436 \global\let\@thanks\@empty
437 \global\let\@author\@empty
438 \global\let\@date\@empty
439 \global\let\@title\@empty
440 \global\let\title\relax
441 \global\let\author\relax
442 \global\let\date\relax
443 \global\let\and\relax
444 }
445 \else
446 \renewcommand\maketitle{\par
447 \begingroup
448 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
449 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
450 \long\def\@makefntext##1{\parindent 1em\noindent
451 \hb@xt@1.8em{%
452 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
453 \if@twocolumn
454 \ifnum \col@number=\@ne
455 \@maketitle
456 \else
457 \twocolumn[\@maketitle]%
458 \fi
459 \else
460 \newpage
461 \global\@topnum\z@ % Prevents figures from going at top of page.
462 \@maketitle
463 \fi
464 \thispagestyle{plain}\@thanks
465 \endgroup
466 \setcounter{footnote}{0}%
467 \global\let\thanks\relax
468 \global\let\LTRthanks\relax
469 \global\let\RTLthanks\relax
470 \global\let\maketitle\relax
471 \global\let\@maketitle\relax
472 \global\let\@thanks\@empty
473 \global\let\@author\@empty
474 \global\let\@date\@empty
475 \global\let\@title\@empty
476 \global\let\title\relax
477 \global\let\author\relax
478 \global\let\date\relax
479 \global\let\and\relax
480 }
481 \def\@maketitle{%
482 \newpage
483 \null
484 \vskip 2em%

```



```

485 \begin{center}%
486 \let \footnote \thanks
487 \let \LTRfootnote \LTRthanks
488 \let \RTLfootnote \RTLthanks
489 {\LARGE \@title \par}%
490 \vskip 1.5em%
491 {\large
492 \lineskip .5em%
493 \begin{tabular}[t]{c}%
494 \@author
495 \end{tabular}\par}%
496 \vskip 1em%
497 {\large \@date}%
498 \end{center}%
499 \par
500 \vskip 1.5em}
501 \fi
502 \renewcommand*\l@part[2]{%
503 \ifnum \c@tocdepth >-2\relax
504 \addpenalty\@secpenalty
505 \addvspace{2.25em \@plus\p@}%
506 \setlength\@tempdima{3em}%
507 \begingroup
508 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
509 \parfillskip -\@pnumwidth
510 {\leavevmode
511 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
512 \nobreak
513 \if@compatibility
514 \global\@nobreaktrue
515 \everypar{\global\@nobreakfalse\everypar{}}%
516 \fi
517 \endgroup
518 \fi}
519 \renewcommand*\l@section[2]{%
520 \ifnum \c@tocdepth >\z@
521 \addpenalty\@secpenalty
522 \addvspace{1.0em \@plus\p@}%
523 \setlength\@tempdima{1.5em}%
524 \begingroup
525 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
526 \parfillskip -\@pnumwidth
527 \leavevmode \bfseries
528 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
529 \hskip -\if@RTL\rightskip\else\leftskip\fi
530 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
531 \endgroup
532 \fi}
533 \renewcommand\left@footnoterule{%
534 \kern-3\p@

```



```

535 \hrule\@width.4\columnwidth
536 \kern2.6\p@}
537 \renewcommand\right@footnoterule{%
538 \kern-3\p@
539 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
540 \kern2.6\p@}
541 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
542 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
543 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
544 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
545 \def\@part[#1]#2{%
546 \ifnum \c@secnumdepth >\m@ne
547 \refstepcounter{part}%
548 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
549 \else
550 \addcontentsline{toc}{part}{#1}%
551 \fi
552 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
553 \interlinepenalty \@M
554 \normalfont
555 \ifnum \c@secnumdepth >\m@ne
556 \Large\bfseries \partname\nobreakspace\thepart
557 \par\nobreak
558 \fi
559 \huge \bfseries #2%
560 \markboth{}{\par}%
561 \nobreak
562 \vskip 3ex
563 \@afterheading}
564 \renewenvironment{thebibliography}[1]
565 {\section*{\refname}%
566 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
567 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
568 \list{\@biblabel{\@arabic\c@enumiv}}%
569 {\settowidth\labelwidth{\@biblabel{#1}}%
570 \leftmargin\labelwidth
571 \advance\leftmargin\labelsep
572 \@openbib@code
573 \usecounter{enumiv}%
574 \let\p@enumiv\@empty
575 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
576 \sloppy
577 \clubpenalty4000
578 \@clubpenalty \clubpenalty
579 \widowpenalty4000%
580 \sfcode`. \@m}
581 {\def\@noitemerr
582 {\@latex@warning{Empty `thebibliography' environment}}%
583 \endlist}
584 \renewenvironment{theindex}

```




```

585         {\if@twocolumn
586           \@restonecolfalse
587         \else
588           \@restonecoltrue
589         \fi
590         \columnseprule \z@
591         \columnsep 35\p@
592         \twocolumn[\section*{\indexname}]%
593         \@mkboth{\MakeUppercase\indexname}%
594                 {\MakeUppercase\indexname}%
595         \thispagestyle{plain}\parindent\z@
596         \parskip\z@ \@plus .3\p@\relax
597         \let\item\@idxitem}
598     {\if@restonecol\onecolumn\else\clearpage\fi}

```

7.10 artikel1-xetex-bidi.def

```

599 \ProvidesFile{artikel1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel1 class for X
600 \renewenvironment{theindex}{%
601   \if@twocolumn
602     \@restonecolfalse
603   \else
604     \@restonecoltrue
605   \fi
606   \columnseprule \z@
607   \columnsep 35\p@
608   \twocolumn[\section*{\indexname}]%
609   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
610   \thispagestyle{plain}\parindent\z@
611   \parskip\z@ \@plus .3\p@\relax
612   \let\item\@idxitem
613 }{%
614   \if@restonecol\onecolumn\else\clearpage\fi}
615 \renewcommand*{\head@style}{%
616   \interlinepenalty \@M
617   \hyphenpenalty=\@M \exhyphenpenalty=\@M
618   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
619 \if@titlepage
620   \renewenvironment{abstract}{%
621     \titlepage
622     \null\vfil
623     \section*{\SectFont\abstractname}
624     \noindent\ignorespaces}
625     {\par\vfil\null\endtitlepage}
626 \else
627   \renewenvironment{abstract}{%
628     \if@twocolumn
629       \section*{\abstractname}%
630     \else
631       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent

```



```

632      \section*{\small\SectFont\abstractname}%
633      \noindent\ignorespaces
634      \fi}
635      {\if@twocolumn\else\par\egroup\fi}
636 \fi
637 \renewcommand*\@regtocline[3]{%
638   \ifnum #1>\c@tocdepth
639   \else
640     \vskip\z@\@plus.2\p@
641     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
642      \if@RTL\righskip\else\leftskip\fi\unitindent
643      \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
644      \parfillskip\z@
645      \@tempdima\unitindent
646      \parindent\z@
647      \leavevmode
648      \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
649      \hskip 1em \nobreak{\slshape #3}\par
650     }%
651   \fi}
652 \if@oldtoc
653 \renewcommand*\l@part[2]{%
654   \ifnum \c@tocdepth >-2\relax
655     \addpenalty\@secpenalty
656     \addvspace{2.25em \@plus\p@}%
657     \begingroup
658       \setlength\@tempdima{3em}%
659       \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
660       \parfillskip -\@pnumwidth
661       {\leavevmode
662        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
663        \nobreak
664        \if@compatibility
665        \global\@nobreaktrue
666        \everypar{\global\@nobreakfalse\everypar{}}}%
667      \fi
668    \endgroup
669   \fi}
670 \else
671   \renewcommand*\l@part{%
672     \ifnum \c@tocdepth >-2\relax
673       \addpenalty\@secpenalty
674       \addvspace{2.25em \@plus \p@}%
675       \@regtocline{0}%
676     \fi}
677 \fi
678 \if@oldtoc
679 \renewcommand*\l@section[2]{%
680   \addpenalty\@secpenalty
681   \addvspace{1.0em \@plus\p@}%

```



```

682 \setlength\@tempdima{1.5em}%
683 \beginingroup
684 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
685 \parfillskip -\@pnumwidth
686 \leavevmode \bfseries
687 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
688 \hskip -\if@RTL\rightskip\else\leftskip\fi
689 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
690 \endgroup}
691 \else
692 \renewcommand*\l@section{\@regtocline{1}}
693 \fi
694 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
695 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
696 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
697 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
698 \renewenvironment{thebibliography}[1]
699 {\section*\refname}%
700 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
701 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
702 \list{\@biblabel{\@arabic\c@enumiv}}%
703 {\settowidth\labelwidth{\@biblabel{#1}}%
704 \leftmargin\labelwidth
705 \advance\leftmargin\labelsep
706 \@openbib@code
707 \usecounter{enumiv}%
708 \let\p@enumiv\@empty
709 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
710 \sloppy\clubpenalty4000\widowpenalty4000%
711 \sfcode`\.\@m}
712 {\def\@noitemerr
713 {\@latex@warning{Empty `thebibliography' environment}}%
714 \endlist}
715 \renewcommand*\left@footnoterule{%
716 \kern-3\p@
717 \kern.5\baselineskip
718 \hrule\@width\unitindent
719 \kern.4\baselineskip
720 }
721 \renewcommand*\right@footnoterule{%
722 \kern-3\p@
723 \kern.5\baselineskip
724 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
725 \kern.4\baselineskip}
726 \if@titlepage
727 \renewcommand*\TitleFont{\rmfamily}
728 \renewcommand*\maketitle{%
729 \begin{titlepage}%
730 \let\footnotesize\small
731 \let\right@footnoterule\relax

```



```

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

```



```

782 }
783 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
784 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
785   \futurelet\@tempa\uc@ax}
786 \def\uc@ax{%
787   \ifx\@tempa\relax
788   \else
789     \\\andname \\\expandafter\uc@authornothanks
790   \fi}
791 \def\uc@tx{\ifx\@tempa\relax
792   \else \expandafter\uc@ty \fi}
793 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
794 \else
795 \renewcommand*\maketitle{\par
796   \begingroup
797   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
798   \def\@makefnmark{\rlap{%
799     \@textsuperscript{\normalfont\@thefnmark}}}%
800   \long\def\@makefntext{\@xmakefntext{%
801     \@textsuperscript{\normalfont\@thefnmark}}}%
802   \if@twocolumn
803     \ifnum \col@number=\@ne
804       \@maketitle
805     \else
806       \twocolumn[\@maketitle]%
807     \fi
808   \else
809     \newpage
810     \global\@topnum\z@
811     \@maketitle
812   \fi
813   \thispagestyle{plain}\@thanks
814 \endgroup
815 \setcounter{footnote}{0}%
816 \global\let\thanks\relax
817 \global\let\maketitle\relax
818 \global\let\@maketitle\relax
819 \global\let\@thanks\@empty
820 \global\let\@author\@empty
821 \global\let\@title\@empty
822 \global\let\@date\@empty
823 \global\let\title\relax
824 \global\let\author\relax
825 \global\let\date\relax
826 \global\let\and\relax
827 }
828 \def\@maketitle{%
829   \newpage
830   \null
831   \vskip 2em%

```



```

832 \begin{center}%
833 \let \footnote \thanks
834 {\LARGE \TitleFont \@title \par}%
835 \vskip 1.5em%
836 {\large \TitleFont
837 \lineskip .5em%
838 \begin{tabular}[t]{c}%
839 \@author
840 \end{tabular}\par}%
841 \vskip 1em%
842 {\large \TitleFont \@date}%
843 \end{center}%
844 \par
845 \vskip 1.5em}
846 \fi

```

7.11 artikel2-xetex-bidi.def

```

847 \ProvidesFile{artikel2-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel2 class for X
848 \renewenvironment{theindex}{%
849 \if@twocolumn
850 \@restonecolfalse
851 \else
852 \@restonecoltrue
853 \fi
854 \columnseprule \z@
855 \columnsep 35\p@
856 \twocolumn[\section*{\indexname}]{%
857 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
858 \thispagestyle{plain}\parindent\z@
859 \parskip\z@ \@plus .3\p@\relax
860 \let\item\@idxitem
861 }{%
862 \if@restonecol\onecolumn\else\clearpage\fi}
863 \renewcommand*\@regtocline[3]{%
864 \ifnum #1>\c@tocdepth
865 \else
866 \vskip\z@ \@plus .2\p@
867 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
868 \if@RTL\righskip\else\leftskip\fi\unitindent
869 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
870 \parfillskip\z@
871 \@tempdima\unitindent
872 \advance\@tempdima by \othermargin
873 \parindent\z@
874 \leavevmode
875 \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
876 \hskip 1em \nobreak{\slshape #3}\par
877 }%
878 \fi}

```



```

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

```



```

929 \section*{\SectFont\abstractname}%
930 \noindent\ignorespaces}
931 {\par\vfil\null\endtitlepage}
932 \else
933 \renewenvironment{abstract}{%
934 \if@twocolumn
935 \section*{\abstractname}%
936 \else
937 \section*{\hskip\unitindent\small\SectFont\abstractname}%
938 \list{}{\setlength\listparindent{\unitindent}%
939 \setlength\parindent {\z@}%
940 \setlength\leftmargin {\unitindent}%
941 \setlength\rightmargin {\unitindent}%
942 \setlength\parsep {\z@}}%
943 \item[]%
944 \fi}
945 {\if@twocolumn\else\par\endlist\fi}
946 \fi
947 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
948 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
949 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
950 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
951 \renewcommand*\left@footnoterule{%
952 \kern-3\p@
953 \hrule\@width 3\unitindent
954 \kern 2.6\p@
955 }
956 \renewcommand*\right@footnoterule{%
957 \kern-3\p@
958 \hbox to \columnwidth{\hskip\dimexpr\columnwidth-3\unitindent\relax \hrulefill }
959 \kern 2.6\p@}
960 \renewenvironment{thebibliography}[1]
961 {\section*{\refname}%
962 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
963 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
964 \list{\@biblabel{\@arabic\c@enumiv}}%
965 {\settowidth\labelwidth{\@biblabel{#1}}%
966 \leftmargin\labelwidth
967 \advance\leftmargin\labelsep
968 \@openbib@code
969 \usecounter{enumiv}%
970 \let\p@enumiv\@empty
971 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
972 \sloppy\clubpenalty4000\widowpenalty4000%
973 \sfcode`..\@m}
974 {\def\@noitemerr
975 {\@latex@warning{Empty `thebibliography' environment}}%
976 \endlist}
977 \if@titlepage
978 \renewcommand*\TitleFont{\rmfamily}

```




```

979 \renewcommand*\maketitle{%
980   \begin{titlepage}%
981     \let\footnotesize\small
982     \let\right@footnoterule\relax
983     \let\left@footnoterule\relax
984     \let\textwidth@footnoterule\relax
985     \let \footnote \thanks
986     \long\def\@makefnmark##1{\parindent\z@
987       \def\labelitemi{\textendash}\@revlabeltrue
988       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
989     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
990     \if@compatibility\setcounter{page}{0}\fi
991     \null\vfil
992     \vskip 60\p@
993     \begin{center}%
994       \TitleFont
995       {\LARGE \def\\{\penalty -\@M}
996         \if@allcaps
997           \expandafter\uc@nothanks\@title\thanks\relax
998         \else
999           \@title
1000         \fi\par}%
1001       \vskip 3em%
1002       {\large
1003         \lineskip .75em \parindent\z@
1004         \begin{tabular}[t]{c}%
1005           \if@allcaps
1006             \expandafter\uc@author\@author\and\relax
1007           \else
1008             \@author
1009           \fi
1010         \end{tabular}\par}%
1011       \vskip 1.5em%
1012       {\large
1013         \if@allcaps
1014           \uppercase\expandafter{\@date}%
1015         \else
1016           \@date
1017         \fi\par}%
1018       \end{center}\par
1019     \@thanks
1020     \vfil\null
1021   \end{titlepage}%
1022   \setcounter{footnote}{0}%
1023   \global\let\thanks\relax
1024   \global\let\maketitle\relax
1025   \global\let\@thanks\@empty
1026   \global\let\@author\@empty
1027   \global\let\@title\@empty
1028   \global\let\@date\@empty

```



```

1029 \global\let\title\relax
1030 \global\let\author\relax
1031 \global\let\date\relax
1032 \global\let\and\relax
1033 }
1034 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1035 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1036   \futurelet\@tempa\uc@ax}
1037 \def\uc@ax{%
1038   \ifx\@tempa\relax
1039   \else
1040     \\\andname \\\expandafter\uc@authornothanks
1041   \fi}
1042 \def\uc@tx{\ifx\@tempa\relax
1043   \else \expandafter\uc@ty \fi}
1044 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1045 \else
1046 \renewcommand*\maketitle{\par
1047   \begingroup
1048     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1049     \long\def\@makefnmark{\parindent\z@
1050       \def\labelitemi{\textendash}%
1051       \leavevmode\hb@xt@.5\unitindent{%
1052         \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1053     \if@twocolumn
1054       \ifnum \col@number=\@ne
1055         \@maketitle
1056       \else
1057         \twocolumn[\@maketitle]%
1058       \fi
1059     \else
1060       \newpage
1061       \global\@topnum\z@
1062       \@maketitle
1063     \fi
1064     \thispagestyle{plain}\@thanks
1065   \endgroup
1066   \setcounter{footnote}{0}%
1067   \global\let\thanks\relax
1068   \global\let\maketitle\relax
1069   \global\let\@maketitle\relax
1070   \global\let\@thanks\@empty
1071   \global\let\@author\@empty
1072   \global\let\@title\@empty
1073   \global\let\@date\@empty
1074   \global\let\title\relax
1075   \global\let\author\relax
1076   \global\let\date\relax
1077   \global\let\and\relax
1078 }

```



```

1079 \def\@maketitle{%
1080   \newpage
1081   \null
1082   \vskip 2em%
1083   \begin{center}%
1084     \let \footnote \thanks
1085     {\LARGE \TitleFont \@title \par}%
1086     \vskip 1.5em%
1087     {\large \TitleFont
1088       \lineskip .5em%
1089       \begin{tabular}[t]{c}%
1090         \@author
1091         \end{tabular}\par}%
1092     \vskip 1em%
1093     {\large \TitleFont \@date}%
1094   \end{center}%
1095   \par
1096   \vskip 1.5em}
1097 \fi

```

7.12 artikel3-xetex-bidi.def

```

1098 \ProvidesFile{artikel3-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for artikel3 class for X
1099 \renewenvironment{theindex}{%
1100   \if@twocolumn
1101     \@restonecolfalse
1102   \else
1103     \@restonecoltrue
1104   \fi
1105   \columnseprule \z@
1106   \columnsep 35\p@
1107   \twocolumn[\section*{\indexname}]%
1108   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
1109   \thispagestyle{plain}\parindent\z@
1110   \parskip\z@ \@plus .3\p@\relax
1111   \let\item\@idxitem
1112   }{%
1113   \if@restonecol\onecolumn\else\clearpage\fi}
1114 \renewcommand*{\head@style}{%
1115   \interlinepenalty \@M
1116   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1117   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1118 \renewcommand*\@regtocline[3]{%
1119   \ifnum #1>\c@tocdepth
1120   \else
1121     \vskip\z@ \@plus .2\p@
1122     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1123       \if@RTL\rightskip\else\leftskip\fi\unitindent
1124       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1125       \parfillskip\z@

```



```

1126 \@tempdima\unitindent
1127 \parindent\z@
1128 \leavevmode
1129 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1130 \hskip 1em \nobreak{\slshape #3}\par
1131 }%
1132 \fi}
1133 \if@oldtoc
1134 \renewcommand*\l@part[2]{%
1135 \ifnum \c@tocdepth >-2\relax
1136 \addpenalty\@secpenalty
1137 \addvspace{2.25em \@plus\p@}%
1138 \begingroup
1139 \setlength\@tempdima{3em}%
1140 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1141 \parfillskip -\@pnumwidth
1142 {\leavevmode
1143 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1144 \nobreak
1145 \if@compatibility
1146 \global\@nobreaktrue
1147 \everypar{\global\@nobreakfalse\everypar{}}%
1148 \fi
1149 \endgroup
1150 \fi}
1151 \else
1152 \renewcommand*\l@part{%
1153 \ifnum \c@tocdepth >-2\relax
1154 \addpenalty\@secpenalty
1155 \addvspace{2.25em \@plus \p@}%
1156 \@regtocline{0}%
1157 \fi}
1158 \fi
1159
1160 \if@oldtoc
1161 \renewcommand*\l@section[2]{%
1162 \addpenalty\@secpenalty
1163 \addvspace{1.0em \@plus\p@}%
1164 \setlength\@tempdima{1.5em}%
1165 \begingroup
1166 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1167 \parfillskip -\@pnumwidth
1168 \leavevmode \bfseries
1169 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1170 \hskip -\if@RTL\rightskip\else\leftskip\fi
1171 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1172 \endgroup}
1173 \else
1174 \renewcommand*\l@section{\@regtocline{1}}
1175 \fi

```



```

1176 \if@titlepage
1177   \renewenvironment{abstract}{%
1178     \titlepage
1179     \null\vfil
1180     \section*{\SectFont\abstractname}%
1181     \noindent\ignorespaces}
1182   {\par\vfil\null\endtitlepage}
1183 \else
1184   \renewenvironment{abstract}{%
1185     \if@twocolumn
1186       \section*{\abstractname}%
1187     \else
1188       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1189       \section*{\small\SectFont\abstractname}%
1190       \noindent\ignorespaces
1191     \fi}
1192   {\if@twocolumn\else\par\egroup\fi}
1193 \fi
1194 \renewcommand*\left@footnoterule{%
1195   \kern-3\p@
1196   \kern.5\baselineskip
1197   \hrule\@width\unitindent
1198   \kern.4\baselineskip
1199 }
1200 \renewcommand*\right@footnoterule{%
1201   \kern-3\p@
1202   \kern.5\baselineskip
1203   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1204   \kern.4\baselineskip}
1205 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1206 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1207 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1208 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1209 \renewenvironment{thebibliography}[1]
1210   {\section*{\refname}%
1211     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1212     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1213     \list{\@biblabel{\@arabic\c@enumiv}}%
1214       {\settowidth\labelwidth{\@biblabel{#1}}%
1215         \leftmargin\labelwidth
1216         \advance\leftmargin\labelsep
1217         \@openbib@code
1218         \usecounter{enumiv}%
1219         \let\p@enumiv\@empty
1220         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1221     \sloppy\clubpenalty4000\widowpenalty4000%
1222     \sfcode`\.\@m}
1223   {\def\@noitemerr
1224     {\@latex@warning{Empty `thebibliography' environment}}%
1225     \endlist}

```



```

1226 \if@titlepage
1227 \renewcommand*\TitleFont{\rmfamily}
1228 \renewcommand*\maketitle{%
1229   \begin{titlepage}%
1230     \let\footnotesize\small
1231     \let\right@footnoterule\relax
1232     \let\left@footnoterule\relax
1233     \let\textwidth@footnoterule\relax
1234     \let \footnote \thanks
1235     \long\def\@makefnmark##1{\parindent\z@
1236       \def\labelitemi{\textendash}\@revlabeltrue
1237       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1238     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1239     \if@compatibility\setcounter{page}{0}\fi
1240     \null\vfil
1241     \vskip 60\p@
1242     \begin{center}%
1243       \TitleFont
1244       {\LARGE \def\{\{\penalty -\@M}
1245         \if@allcaps
1246           \expandafter\uc@nothanks\@title\thanks\relax
1247         \else
1248           \@title
1249         \fi\par}%
1250       \vskip 3em%
1251       {\large
1252         \lineskip .75em \parindent\z@
1253         \begin{tabular}[t]{c}%
1254           \if@allcaps
1255             \expandafter\uc@authornothanks\@author\and\relax
1256           \else
1257             \@author
1258           \fi
1259         \end{tabular}\par}%
1260       \vskip 1.5em%
1261       {\large
1262         \if@allcaps
1263           \uppercase\expandafter{\@date}%
1264         \else
1265           \@date
1266         \fi\par}%
1267       \end{center}\par
1268       \@thanks
1269       \vfil\null
1270     \end{titlepage}%
1271     \setcounter{footnote}{0}%
1272     \global\let\thanks\relax
1273     \global\let\maketitle\relax
1274     \global\let\@thanks\@empty
1275     \global\let\@author\@empty

```



```

1276 \global\let\@title\@empty
1277 \global\let\@date\@empty
1278 \global\let\title\relax
1279 \global\let\author\relax
1280 \global\let\date\relax
1281 \global\let\and\relax
1282 }
1283 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1284 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1285 \futurelet\@tempa\uc@ax}
1286 \def\uc@ax{%
1287 \ifx\@tempa\relax
1288 \else
1289 \\\andname \\\expandafter\uc@authornothanks
1290 \fi}
1291 \def\uc@tx{\ifx\@tempa\relax
1292 \else \expandafter\uc@ty \fi}
1293 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1294 \else
1295 \renewcommand*\maketitle{\par
1296 \begingroup
1297 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1298 \def\@makefnmark{\rlap{%
1299 \@textsuperscript{\normalfont\@thefnmark}}}%
1300 \long\def\@makefntext{\@xmakefntext{%
1301 \@textsuperscript{\normalfont\@thefnmark}}}%
1302 \if@twocolumn
1303 \ifnum \col@number=\@one
1304 \@maketitle
1305 \else
1306 \twocolumn[\@maketitle]%
1307 \fi
1308 \else
1309 \newpage
1310 \global\@topnum\z@
1311 \@maketitle
1312 \fi
1313 \thispagestyle{plain}\@thanks
1314 \endgroup
1315 \setcounter{footnote}{0}%
1316 \global\let\thanks\relax
1317 \global\let\maketitle\relax
1318 \global\let\@maketitle\relax
1319 \global\let\@thanks\@empty
1320 \global\let\@author\@empty
1321 \global\let\@title\@empty
1322 \global\let\@date\@empty
1323 \global\let\title\relax
1324 \global\let\author\relax
1325 \global\let\date\relax

```



```

1326 \global\let\and\relax
1327 }
1328 \def\@maketitle{%
1329 \newpage
1330 \null
1331 \vskip 2em%
1332 \if@titlecentered
1333 \begin{center}%
1334 \let \footnote \thanks
1335 {\LARGE \TitleFont \@title \par}%
1336 \vskip 1.5em%
1337 {\large \TitleFont
1338 \lineskip .5em%
1339 \begin{tabular}[t]{c}%
1340 \@author
1341 \end{tabular}\par}%
1342 \vskip 1em%
1343 {\large \TitleFont \@date}%
1344 \end{center}%
1345 \else
1346 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1347 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1348 \def\and{%% \begin{tabular} has already started
1349 \end{tabular}\hskip 1em plus .17fil
1350 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
1351 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1352 \vskip 1em {\large \TitleFont \@date}
1353 \fi
1354 \par
1355 \vskip 1.5em}
1356 \fi

```

7.13 arydshln-xetex-bidi.def

```

1357 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1358 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1359 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1360 \expandafter\let\csname endtabular*\endcsname\endtabular
1361 \let\adl@array\@array
1362 \def\@array{\adl@everyvbox\everyvbox
1363 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1364 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1365 \let\adl@noalign\noalign
1366 \adl@array}
1367 \ifadl@usingarypkg
1368 \def\@testpach{\@chclass
1369 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1370 \ifnum \@lastchclass=7 5 \else
1371 \ifnum \@lastchclass=8 \tw@ \else
1372 \ifnum \@lastchclass=9 \thr@@

```




```

1373 \else \z@
1374 \ifnum \@lastchclass = 10 \else
1375 \edef\@nextchar{\expandafter\string\@nextchar}%
1376 \@chnum
1377 \if \@nextchar c\z@ \else
1378 \if \@nextchar \if@RTLtab r\else l\fi\@one \else
1379 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1380 \z@ \@chclass
1381 \if\@nextchar \\\@one \let\@arrayrule\adl@arrayrule \else
1382 \if\@nextchar :\\@one \let\@arrayrule\adl@arraydashrule \else
1383 \if\@nextchar ;\\@one \let\@arrayrule\adl@argarraydashrule \else
1384 \if \@nextchar !6 \else
1385 \if \@nextchar @7 \else
1386 \if \@nextchar <8 \else
1387 \if \@nextchar >9 \else
1388 10
1389 \@chnum
1390 \if \@nextchar m\thr@@\else
1391 \if \@nextchar p4 \else
1392 \if \@nextchar b5 \else
1393 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1394 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1395
1396 \def\@classz{\@classx
1397 \@tempcnta \count@
1398 \prepnext@tok
1399 \@addtopreamble{\ifcase \@chnum
1400 \hfil
1401 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1402 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1403 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1404 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1405 \adl@endmbox\or
1406 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1407 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1408 \fi}\prepnext@tok}
1409 \def\adl@classstart{4}
1410 \def\adl@class@iiiorvii{7}
1411
1412 \else
1413 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1414 \ifnum \@lastchclass=\thr@@ 5\relax \else
1415 \z@ \if #1c\@chnum \z@ \else
1416 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1417 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1418 \@chclass
1419 \if #1\\@one \let\@arrayrule\adl@arrayrule \else
1420 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1421 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1422 \if #1@\tw@ \else

```



```

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

```



```

1473         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1474         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1475         \fi
1476         \if@RTL\endR\fi\egroup\egroup
1477         \begingroup
1478             \CT@setup
1479             \CT@column@color
1480             \CT@row@color
1481             \CT@cell@color
1482             \CT@do@color
1483         \endgroup
1484         \@tempdima\ht\z@
1485         \advance\@tempdima\minrowclearance
1486         \vrule\@height\@tempdima\@width\z@
1487         \unhbox\z@\if@RTL\endL\fi}%
1488     \prepnext@tok}
1489 \let\adl@act@classz\@classz
1490 \let\adl@org@classz\@classz
1491 }{}

```

7.14 bidi.sty

```

1492 \NeedsTeXFormat{LaTeX2e}
1493 \def\bididate{2015/11/23}
1494 \def\bidiversion{v18.8}
1495 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1496 Bidirectional typesetting in plain TeX and LaTeX]
1497 \edef\@bidi@info{*****~J%
1498 * ~J%
1499 * bidi package (Bidirectional typesetting in~J%
1500 * plain TeX and LaTeX, using XeTeX engine)~J%
1501 * ~J%
1502 * Description: A convenient interface for~J%
1503 * typesetting bidirectional texts in plain TeX~J%
1504 * and LaTeX. The package includes adaptations~J%
1505 * for use with many other commonly-used packages.~J%
1506 * ~J%
1507 * Copyright (c) 2009--2015 Vafa Khalighi~J%
1508 * ~J%
1509 * \bididate, \bidiversion~J%
1510 * ~J%
1511 * License: LaTeX Project Public License, version~J%
1512 * 1.3c or higher (your choice)~J%
1513 * ~J%
1514 * Location on CTAN: /macros/xetex/latex/bidi~J%
1515 * ~J%
1516 * Issue tracker: https://github.com/persian-tex/bidi/issues~J%
1517 * ~J%
1518 * Support: persian-tex@tug.org~J%
1519 *****}

```



```

1520 \typeout{\@bidi@info}
1521 \edef\bidi@everyjob{\the\everyjob}
1522 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1523 \RequirePackage{iftex}
1524 \RequireXeTeX
1525 \RequirePackage{biditools}
1526 \RequirePackage{zref-abspage}
1527 \RequirePackage{auxhook}
1528 \RequirePackage{ltxcmds}
1529 \RequirePackage{xkeyval}
1530 \eqnewif{\if@RTLmain}{\if@rlmain}
1531 \eqnewif{\if@RTL}{\if@rl}
1532 \newif\if@Latin
1533 \eqnewif{\if@RTLtab}{\if@tab@rl}
1534 \newif\if@RTLmarginpar
1535 \newif\if@LTRmarginpar
1536 \newif\if@LTRbibitems
1537 \newif\if@RTLbibitems
1538 \newif\if@extrafootnotefeatures
1539 \newif\if@parafootRTL
1540 \newif\if@RTLcolumnfootnotes
1541 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1542 \newif\if@bidi@list@minipage@parbox
1543 \newif\if@bidi@list@minipage@parbox@not@nob
1544 \@RTLmainfalse
1545 \AtBeginDocument{%
1546   \if@RTLmain\else
1547     \if@RTL\@RTLmaintrue%
1548     \else\@RTLmainfalse%
1549     \fi%
1550   \fi%
1551 }
1552 \let\n@xt=\
1553 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1554 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1555 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1556 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1557 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1558   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1559 \input{latex-xetex-bidi.def}
1560 \input{loadingorder-xetex-bidi.def}
1561 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1562   \ifcase\bidi@tempb\relax
1563     \@RTLtrue
1564   \or
1565     \@RTLfalse
1566   \fi}
1567 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1568   \ifcase\bidi@tempb\relax
1569     \@RTLtrue

```



```

1570 \or
1571 \RTLfalse
1572 \fi}
1573 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1574 \ifcase\bidi@tempb\relax
1575 \autofootnoterule
1576 \or
1577 \leftfootnoterule
1578 \or
1579 \rightfootnoterule
1580 \or
1581 \SplitFootnoteRule
1582 \or
1583 \textwidthfootnoterule
1584 \fi}
1585 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1586 \ifcase\bidi@tempb\relax
1587 \RTL@footnotetrue
1588 \or
1589 \RTL@footnotefalse
1590 \fi}
1591 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1592 \ifcase\bidi@tempb\relax
1593 \footdir@debugtrue
1594 \or
1595 \footdir@debugfalse
1596 \fi}
1597 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1598 \ifcase\bidi@tempb\relax
1599 \@extrafootnotefeaturestrue
1600 \or
1601 \@extrafootnotefeaturesfalse
1602 \fi}
1603
1604 \ProcessOptionsX
1605
1606 \if@extrafootnotefeatures
1607 \input{extrafootnotefeatures-xetex-bidi.def}
1608 \fi

```

7.15 bidi.tex

```

1609 \def\biddate{2015/10/16}
1610 \def\bidiversion{v0.3}
1611 \catcode`\@=11
1612 \let \protect \relax
1613 \newlinechar`\^^J
1614 \edef\@bidi@info{*****~^J%
1615 * ~^J%
1616 * bidi package (Bidirectional typesetting in~^J%

```



```

1617 * plain TeX and LaTeX, using XeTeX engine)^^J%
1618 * ^^J%
1619 * Description: A convenient interface for^^J%
1620 * typesetting bidirectional texts in plain TeX^^J%
1621 * and LaTeX. The package includes adaptations^^J%
1622 * for use with many other commonly-used packages.^^J%
1623 * ^^J%
1624 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1625 * ^^J%
1626 * \bididate, \bidiversion^^J%
1627 * ^^J%
1628 * License: LaTeX Project Public License, version^^J%
1629 * 1.3c or higher (your choice)^^J%
1630 * ^^J%
1631 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1632 * ^^J%
1633 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1634 * ^^J%
1635 * Support: persian-tex@tug.org^^J%
1636 *****}
1637 \message{\@bidi@info}
1638 \edef\bidi@everyjob{\the\everyjob}
1639 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1640 \input iftex.sty
1641 \RequireXeTeX
1642 \newif\if@RTLmain
1643 \newif\if@RTL
1644 \newif\if@sentedir
1645 \newif\if@RTL@footnote
1646 \@RTLmainfalse
1647 \def\setRTLmain{%
1648   \if@RTLmain\else
1649     \if@RTL\@RTLmaintrue%
1650     \else\@RTLmainfalse%
1651     \fi%
1652   \fi%
1653 }
1654 \let\n@xt=\
1655 \protected\def\LRE{\protect\pLRE}%
1656 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1657 \protected\def\RLE{\protect\pRLE}
1658 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1659 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1660   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1661 \input plain-xetex-bidi.def
1662 \catcode`\@=12

```

7.16 bidi2in1.sty

```

1663 \NeedsTeXFormat{LaTeX2e}

```



```

1664 \ProvidesPackage{bidi2in1}
1665 \pagestyle{plain}
1666 \newcount\evenpage
1667 \newcount\oddpge
1668 \twocolumn
1669 \def\@oddfoot{\evenpage=\thepage%
1670 \multiply\evenpage by 2%
1671 \oddpge=\the\evenpage%
1672 \advance\oddpge by -1%
1673 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1674 \def\@evenfoot{\evenpage=\thepage%
1675 \multiply\evenpage by 2%
1676 \oddpge=\the\evenpage%
1677 \advance\oddpge by -1%
1678 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1679 \textwidth 9.49in
1680 \textheight 6.7in
1681 \columnsep 0.9in
1682 \columnseprule 0.125pt
1683 \headheight 0cm
1684 \topmargin 0in
1685 \marginparwidth 0in
1686 \marginparsep 0in
1687 \hoffset 0.05in % Corrected
1688 \voffset -0.5in %top margin space is 1.0in by default
1689 \oddsidemargin 0in
1690 \evensidemargin 0in
1691 \headsep 0cm
1692 \topskip 0cm
1693 \parskip 0.15in %
1694 \headsep 0pt
1695 \special{papersize=11.69in,8.26in}
1696 \renewcommand\maketitle{\par
1697 \begingroup
1698 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1699 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1700 \long\def\@makefntext##1{\parindent 1em\noindent
1701 \hb@xt@1.8em{%
1702 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1703 \maketitle
1704 \thanks
1705 \endgroup
1706 \setcounter{footnote}{0}%
1707 \global\let\thanks\relax
1708 \global\let\maketitle\relax
1709 \global\let\@maketitle\relax
1710 \global\let\@thanks\empty
1711 \global\let\@author\empty
1712 \global\let\@date\empty
1713 \global\let\@title\empty

```



```

1714 \global\let\title\relax
1715 \global\let\author\relax
1716 \global\let\date\relax
1717 \global\let\and\relax
1718 }

```

7.17 bidicode.sty

```

1719 \NeedsTeXFormat{LaTeX2e}
1720 \ProvidesPackage{bidicode}
1721 \RequirePackage{xcolor}
1722 \RequirePackage{showexpl}
1723 \definecolor{hellgelb}{rgb}{1,1,0.85}
1724 \definecolor{colKeys}{rgb}{0,0,1}
1725 \definecolor{colIdentifier}{rgb}{0,0,0}
1726 \definecolor{colComments}{rgb}{1,0,0}
1727 \definecolor{colString}{rgb}{0,0.5,0}
1728 \lstset{
1729     language=[LaTeX]TEX,
1730     float=hbp,
1731     basicstyle=\ttfamily\small,
1732     identifierstyle=\color{colIdentifier},
1733     keywordstyle=\color{colKeys},
1734     stringstyle=\color{colString},
1735     commentstyle=\color{colComments},
1736     columns=flexible,
1737     tabsize=4,
1738     gobble =1,
1739     extendedchars=true,
1740     showspaces=false,
1741     showstringspaces=false,
1742     numbers=left,
1743     numbersep=0.9em,
1744     numberstyle=\tiny, %
1745     frame=single,
1746     captionpos=b,
1747     xleftmargin=1em,
1748     breaklines=true,
1749     breakautoindent=false,
1750     breakindent=0pt,
1751     escapeinside=**,
1752     pos=r,
1753     explpreset={%
1754         xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1755     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1756 }
1757 \newcommand\HLON{%
1758     \gdef\lst@alloverstyle##1{%
1759         \fboxrule=0pt
1760         \fboxsep=0pt

```




```

1761 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1762 }}
1763 \newcommand\HLOFF{%
1764 \xdef\lst@alloverstyle##1{##1}%
1765 }
1766 \newcommand\Larg [1]{\normalfont\itshape#1\/\}
1767 \newcommand\Larga[1]{\$\langle$\Larg{#1}$\rangle$}
1768 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
1769 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
1770 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
1771 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}}begin\lcb#1\rcb}}
1772 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}}end\lcb#1\rcb}}
1773
1774 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
1775 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
1776 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`}}
1777 \DeclareRobustCommand\lsb{\normalfont\ttfamily[}
1778 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
1779 \DeclareRobustCommand\lrb{\normalfont\ttfamily(}
1780 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}
1781
1782 \def\Lcs#1{\nxLcs{#1}}
1783 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1784 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1785
1786 \def\Coordx#1{$x_{#1}$}
1787 \def\Coordy#1{$y_{#1}$}
1788 \def\Coordz#1{$z_{#1}$}
1789 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1790 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1791 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1792 \def\CAny{\Coordx{}}\kern 1pt\Coordy{}
1793 \def\CIIIAny{\Coordx{}}\kern 1pt\Coordy{}}\kern 1pt\Coordz{}
1794 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1795 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
1796 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1797 \def\coordx#1{($x_{#1}$)}
1798 \def\coordy#1{($y_{#1}$)}
1799 \def\coordz#1{($z_{#1}$)}
1800 \def\cAny{(\Coordx{}}\kern 1pt\Coordy{}}
1801 \def\ciiiiAny{(\Coordx{}}\kern 1pt\Coordy{}}\kern 1pt\Coordz{}}
1802
1803 \newsavebox{\boxdef}
1804 \newenvironment{BDef}
1805 {\begin{lrbox}\boxdef
1806 \def\arraystretch{1.0}
1807 \begin{tabular}{@{}l@{}l@{}l@{}}
1808 }
1809 {\end{tabular}\end{lrbox}}
1810

```



```

1811 {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1812 \aftergroup\@afterindentfalse\aftergroup\@afterheading
1813 }
1814
1815 \newenvironment{BDef*}
1816 {\begin{lrbox}\boxdef
1817   \def\arraystretch{1.0}
1818   \begin{tabular}{@{}l@{}l@{}l@{}}
1819 }
1820 {\end{tabular}\end{lrbox}
1821 {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1822 \aftergroup\@afterindentfalse\aftergroup\@afterheading
1823 }
1824 \newenvironment{BCmd}{
1825   \@beginparpenalty-\@lowpenalty
1826   \topsep\BDefaboveskip
1827   \fbboxsep3pt
1828   \flushleft}
1829 {\@endparpenalty\@M
1830   \@topsepadd\BDefbelowskip
1831   \endflushleft}
1832
1833 \newenvironment{BCmd*}{
1834   \@beginparpenalty\@M
1835   \topsep\BDefinlineskip
1836   \fbboxsep3pt
1837   \flushleft}
1838 {\@endparpenalty5000
1839   \endflushleft}
1840
1841 \newskip\BDefaboveskip
1842 \newskip\BDefbelowskip
1843 \newskip\BDefinlineskip
1844 \setlength\BDefaboveskip{10pt plus 4pt}
1845 \setlength\BDefbelowskip{6pt}
1846 \setlength\BDefinlineskip{6pt}
1847
1848 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
1849 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
1850 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
1851 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

7.18 bidiftnxtra.sty

```

1852 \NeedsTeXFormat{LaTeX2e}
1853 \ProvidesPackage{bidiftnxtra}
1854 \newtoks\bidip@ftn
1855 \let\FN@sff@footnote\footnote
1856 \let\FN@sff@LTRfootnote\LTRfootnote
1857 \let\FN@sff@RTLfootnote\RTLfootnote

```



```

1858 \def\footnote{\ifx\protect\@typeset@protect
1859   \expandafter\FN@sfi@footnote
1860   \else
1861     \expandafter\FN@sfi@gobble@opt
1862   \fi
1863 }
1864 \def\LTRfootnote{\ifx\protect\@typeset@protect
1865   \expandafter\FN@sfi@LTRfootnote
1866   \else
1867     \expandafter\FN@sfi@gobble@opt
1868   \fi
1869 }
1870 \def\RTLfootnote{\ifx\protect\@typeset@protect
1871   \expandafter\FN@sfi@RTLfootnote
1872   \else
1873     \expandafter\FN@sfi@gobble@opt
1874   \fi
1875 }
1876 \edef\FN@sfi@gobble@opt{\noexpand\protect
1877   \expandafter\noexpand\csname FN@sfi@gobble@opt \endcsname}
1878 \expandafter\def\csname FN@sfi@gobble@opt \endcsname{%
1879   \@ifnextchar[%]
1880     \FN@sfi@gobble@twobracket
1881     \@gobble
1882 }
1883 \def\FN@sfi@gobble@twobracket[#1]#2{
1884 \let\FN@sfi@footnotemark\footnotemark
1885 \def\footnotemark{\ifx\protect\@typeset@protect
1886   \expandafter\FN@sfi@footnotemark
1887   \else
1888     \expandafter\FN@sfi@gobble@optonly
1889   \fi
1890 }
1891 \edef\FN@sfi@gobble@optonly{\noexpand\protect
1892   \expandafter\noexpand\csname FN@sfi@gobble@optonly \endcsname}
1893 \expandafter\def\csname FN@sfi@gobble@optonly \endcsname{%
1894   \@ifnextchar[%]
1895     \FN@sfi@gobble@bracket
1896     {}%
1897 }
1898 \def\FN@sfi@gobble@bracket[#1]{
1899 \def\@tabular{\if@RTL\global\@RTLtabtrue\fi
1900   \leavevmode \hbox \bgroup
1901   \let\@footnotetext\@bidi@p@fnttext
1902   \let\@LTRfootnotetext\@bidi@p@LTRfnttext
1903   \let\@RTLfootnotetext\@bidi@p@RTLfnttext
1904   \let\@xfootnotenext\@bidi@p@xftntext
1905   \let\@xfootnote\@bidi@p@xfootnote
1906   \let\@xLTRfootnotenext\@bidi@p@xLTRfnttext
1907   \let\@xLTRfootnote\@bidi@p@xLTRfootnote

```



```

1908 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
1909 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
1910 \if@RTLtab\beginR \fi
1911 $\let\@acol\@tabacol
1912 \let\@classz\@tabclassz
1913 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
1914 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
1915 \egroup $\if@RTLtab\endR\fi\egroup
1916 \ifx\@capytype\@undefined
1917 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi%
1918 \global\@RTLtabfalse}
1919 \long\def\@bidi@p@ftntext#1{%
1920 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
1921 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
1922 \long\def\@bidi@p@LTRftntext#1{%
1923 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
1924 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
1925 \long\def\@bidi@p@RTLftntext#1{%
1926 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
1927 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
1928
1929
1930 \long\def\@bidi@p@xftntext[#1]#2{%
1931 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
1932
1933 \long\def\@bidi@p@xLTRftntext[#1]#2{%
1934 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
1935
1936 \long\def\@bidi@p@xRTLftntext[#1]#2{%
1937 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
1938
1939
1940 \def\@bidi@p@xfootnote[#1]{%
1941 \begingroup
1942 \csname c@\@mpfn\endcsname #1\relax
1943 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1944 \endgroup
1945 \@footnotemark\@bidi@p@xftntext[#1]}
1946
1947
1948 \def\@bidi@p@xLTRfootnote[#1]{%
1949 \begingroup
1950 \csname c@\@mpfn\endcsname #1\relax
1951 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1952 \endgroup
1953 \@footnotemark\@bidi@p@xLTRftntext[#1]}
1954
1955
1956 \def\@bidi@p@xRTLfootnote[#1]{%
1957 \begingroup

```



```

1958     \csname c@\mpfn\endcsname #1\relax
1959     \unrestored@protected@xdef\@thefnmark{\thempfn}%
1960 \endgroup
1961 \@footnotemark\@bidi@p@xRTLftntext[#1]}
1962
1963 \def\@xfloat #1[#2]{%
1964 \@nodocument
1965 \def \@captype {#1}%
1966 \def \@fps {#2}%
1967 \@onelevel@sanitize \@fps
1968 \def \reserved@b {!}%
1969 \ifx \reserved@b \@fps
1970 \@fpsadddefault
1971 \else
1972 \ifx \@fps \@empty
1973 \@fpsadddefault
1974 \fi
1975 \fi
1976 \ifhmode
1977 \@bsphack
1978 \@floatpenalty -\@Mii
1979 \else
1980 \@floatpenalty-\@Miii
1981 \fi
1982 \ifinner
1983 \@parmoderr\@floatpenalty\z@
1984 \else
1985 \@next\@currbox\@freelist
1986 {%
1987 \@tempcnta \sixt@@n
1988 \expandafter \@tfor \expandafter \reserved@a
1989 \expandafter :\expandafter =\@fps
1990 \do
1991 {%
1992 \if \reserved@a h%
1993 \ifodd \@tempcnta
1994 \else
1995 \advance \@tempcnta \@ne
1996 \fi
1997 \fi
1998 \if \reserved@a t%
1999 \setfpsbit \tw@
2000 \fi
2001 \if \reserved@a b%
2002 \setfpsbit 4%
2003 \fi
2004 \if \reserved@a p%
2005 \setfpsbit 8%
2006 \fi
2007 \if \reserved@a !%

```



```

2008         \ifnum \@tempcnta>15
2009             \advance\@tempcnta -\sixt@@n\relax
2010         \fi
2011     \fi
2012 }%
2013 \@tempcntb \csname ftype@\@capytype \endcsname
2014 \multiply \@tempcntb \@xxxii
2015 \advance \@tempcnta \@tempcntb
2016 \global \count\@currbox \@tempcnta
2017 }%
2018 \@fltovf
2019 \fi
2020 \global \setbox\@currbox
2021     \color@vbox
2022     \normalcolor
2023     \vbox \bgroup
2024     \let\@footnotetext\@bidi@p@ftntext
2025     \let\@LTRfootnotetext\@bidi@p@LTRftntext
2026     \let\@RTLfootnotetext\@bidi@p@RTLftntext
2027     \let\@xfootnotenext\@bidi@p@xftntext
2028     \let\@xfootnote\@bidi@p@xfootnote
2029     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2030     \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2031     \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2032     \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2033     \hsize\columnwidth
2034     \@parboxrestore
2035     \@floatboxreset
2036 }
2037 \def \@endfloatbox{%
2038     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2039     \@minipagefalse
2040     \outer@nobreak
2041     \egroup                %% end of vbox
2042     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2043     \color@endbox
2044 }

```

7.19 bidi-longtable.sty

```

2045 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2046 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2047     \par
2048     \ifx\multicols\@undefined
2049     \else
2050         \ifnum\col@number>\@ne
2051             \@twocolumntrue
2052         \fi
2053     \fi
2054     \if@twocolumn

```



```

2055 \LT@err{longtable not in 1-column mode}\@ehc
2056 \fi
2057 \begingroup
2058 \@ifnextchar[\LT@array{\LT@array[x]}]
2059 \def\endlongtable{%
2060 \crr
2061 \noalign{%
2062 \let\LT@entry\LT@entry@chop
2063 \xdef\LT@save@row{\LT@save@row}}%
2064 \LT@echunk
2065 \LT@start
2066 \unvbox\z@
2067 \LT@get@widths
2068 \if@filesw
2069 {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2070 \gdef\expandafter\noexpand
2071 \csname LT@romannumeral\c@LT@tables\endcsname
2072 {\LT@save@row}}}%
2073 \fi
2074 \ifx\LT@save@row\LT@@save@row
2075 \else
2076 \LT@warn{Column \@width s have changed\MessageBreak
2077 in table \thetable}%
2078 \LT@final@warn
2079 \fi
2080 \endgraf\penalty -\LT@end@pen
2081 \endgroup
2082 \global\@mparbottom\z@
2083 \pagegoal\vsiz
2084 \endgraf\penalty\z@\addvspace\LTpost
2085 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2086 \def\LT@output{%
2087 \ifnum\outputpenalty <-\@Mi
2088 \ifnum\outputpenalty > -\LT@end@pen
2089 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2090 \else
2091 \setbox\z@\vbox{\unvbox\@cclv}%
2092 \ifdim \ht\LT@lastfoot>\ht\LT@foot
2093 \dimen@ \pagegoal
2094 \advance\dimen@-\ht\LT@lastfoot
2095 \ifdim\dimen@<\ht\z@
2096 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2097 \makecol
2098 \outputpage
2099 \setbox\z@\vbox{\box\LT@head}%
2100 \fi
2101 \fi
2102 \global\@colroom\@colht
2103 \global\vsiz\@colht
2104 \vbox

```



```

2105     {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2106     \fi
2107     \else
2108     \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2109     \@makecol
2110     \@outputpage
2111     \global\ysize\@colroom
2112     \copy\LT@head\nobreak
2113     \fi}

```

7.20 bidimoderncv.cls

```

2114 \NeedsTeXFormat{LaTeX2e}
2115 \ProvidesClass{bidimoderncv}
2116 \newif\if@DEBUG\@DEBUGfalse
2117 \DeclareOption{a4paper}{
2118   \setlength\paperheight{297mm}
2119   \setlength\paperwidth{210mm}}
2120 \DeclareOption{a5paper}{
2121   \setlength\paperheight{210mm}
2122   \setlength\paperwidth{148mm}}
2123 \DeclareOption{b5paper}{
2124   \setlength\paperheight{250mm}
2125   \setlength\paperwidth{176mm}}
2126 \DeclareOption{letterpaper}{
2127   \setlength\paperheight{11in}
2128   \setlength\paperwidth{8.5in}}
2129 \DeclareOption{legalpaper}{
2130   \setlength\paperheight{14in}
2131   \setlength\paperwidth{8.5in}}
2132 \DeclareOption{executivepaper}{
2133   \setlength\paperheight{10.5in}
2134   \setlength\paperwidth{7.25in}}
2135 \DeclareOption{landscape}{
2136   \setlength\@tempdima{\paperheight}
2137   \setlength\paperheight{\paperwidth}
2138   \setlength\paperwidth{\@tempdima}}
2139 \newcommand\@ptsize{}
2140 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2141 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2142 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2143 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2144 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2145 \newif\if@colour\@colourtrue
2146 \DeclareOption{nocolour}{\@colourfalse}
2147 \ExecuteOptions{a4paper,11pt,colour,final}
2148 \ProcessOptions\relax
2149 \input{size1\@ptsize.clo}
2150 \RequirePackage{color}
2151 \RequirePackage{graphicx}

```




```

2152 \RequirePackage{ifthen}
2153 \RequirePackage{marvosym}
2154 \addtolength{\oddsidemargin}{-54pt}
2155 \addtolength{\textwidth}{109pt}
2156 \addtolength{\topmargin}{-70pt}
2157 \addtolength{\textheight}{122pt}
2158 \addtolength{\marginparsep}{-5pt}
2159 \addtolength{\marginparwidth}{-10pt}
2160 \RequirePackage{url}
2161 \RequirePackage{hyperref}
2162 \hypersetup{%
2163   breaklinks,
2164   baseurl      = http://,%
2165   pdfborder    = 0 0 0,%
2166   pdfpagemode  = UseNone,%
2167   pdfstartpage = 1}
2168 \AtEndOfClass{%
2169   \AtBeginDocument{%
2170     \hypersetup{%
2171       pdfauthor      = \@firstname~\@familyname,%
2172       pdftitle       = \@title,%
2173       pdfsubject     = \@firstname~\@familyname,%
2174       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2175 \urlstyle{tt}
2176 \RequirePackage{fancyhdr}
2177 \fancypagestyle{plain}{%
2178   \renewcommand{\headrulewidth}{0pt}
2179   \renewcommand{\footrulewidth}{0pt}
2180   \fancyhf{}}
2181 \pagestyle{plain}
2182 \setlength\lineskip{1\p@}
2183 \setlength\normallineskip{1\p@}
2184 \renewcommand\baselinestretch{}
2185 \setlength{\parindent}{0pt}
2186 \setlength{\parskip}{0pt}
2187 \setlength\columnsep{10\p@}
2188 \setlength\columnseprule{0\p@}
2189 \pagestyle{empty}
2190 \pagenumbering{arabic}
2191 \raggedbottom
2192 \onecolumn
2193 \providecommand*\listitemsymbol{\textbullet}
2194 \providecommand*\addresssymbol{}
2195 \providecommand*\mobilesymbol{\Mobilefone}
2196 \providecommand*\phonesymbol{\Telefon}
2197 \providecommand*\faxsymbol{\FAX}
2198 \providecommand*\emailsymbol{\Letter}
2199 \definecolor{firstnamecolour}{rgb}{0,0,0}
2200 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2201 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}

```



```

2202 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2203 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2204 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2205 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2206 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2207 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2208 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2209 \providecommand*\{firstfont}\{}
2210 \providecommand*\{familynamefont}\{}
2211 \providecommand*\{titlefont}\{}
2212 \providecommand*\{addressfont}\{}
2213 \providecommand*\{quote\font}\{}
2214 \providecommand*\{sectionfont}\{}
2215 \providecommand*\{subsectionfont}\{}
2216 \providecommand*\{hintfont}\small
2217 \providecommand*\{firstnamestyle}[1]{\{firstfont\@firstnamecolour#1}}
2218 \providecommand*\{familynamestyle}[1]{\{familynamefont\@familynamecolour#1}}
2219 \providecommand*\{titlestyle}[1]{\{titlefont\@titlecolour#1}}
2220 \providecommand*\{addresstyle}[1]{\{addressfont\@addresscolour#1}}
2221 \providecommand*\{quotestyle}[1]{\{quote\font\@quote\colour#1}}
2222 \providecommand*\{sectionstyle}[1]{\{sectionfont\@sectiontitlecolour#1}}
2223 \providecommand*\{subsectionstyle}[1]{\{subsectionfont\@subsectioncolour#1}}
2224 \providecommand*\{hintstyle}[1]{\{hintfont\@hintcolour#1}}
2225 \newcommand*\{cvtheme}[2][\{}
2226 \def\@cvtheme{#2}
2227 \def\@cvthemeoptions{#1}}
2228 \cvtheme{bidi-casual}
2229 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2230 \newcommand*\{resumename}[1]{\def\@resumename{#1}}
2231 \newcommand*\{firstname}[1]{\def\@firstname{#1}}
2232 \newcommand*\{familyname}[1]{\def\@familyname{#1}}
2233 \renewcommand*\{title}[1]{\def\@title{#1}}
2234 \newcommand*\{address}[1]{\def\@address{#1}}
2235 \newcommand*\{mobile}[1]{\def\@mobile{#1}}
2236 \newcommand*\{phone}[1]{\def\@phone{#1}}
2237 \renewcommand*\{fax}[1]{\def\@fax{#1}}
2238 \newcommand*\{email}[1]{\def\@email{#1}}
2239 \newcommand*\{extrainfo}[1]{\def\@extrainfo{#1}}
2240 \def\@photowidth{0pt}
2241 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2242 \newcommand*\{quote}[1]{\def\@quote{#1}}
2243 \newlength\{quotewidth}
2244 \newlength\{hintcolumnwidth}
2245 \newlength\{separatorcolumnwidth}
2246 \setlength\{separatorcolumnwidth}{0.025\textwidth}
2247 \newlength\{maincolumnwidth}
2248 \newlength\{doubleitemmaincolumnwidth}
2249 \newlength\{listitemsymbolwidth}
2250 \settowidth\{listitemsymbolwidth}{\listitemsymbol{~}}
2251 \newlength\{listitemmaincolumnwidth}

```



```

2252 \newlength{\listdoubleitemmaincolumnwidth}
2253 \newcommand*{\recomputethemelengths}{}
2254 \newcommand*{\recomputelengths}{%
2255 \setlength{\quotewidth}{0.65\textwidth}%
2256 \setlength{\maincolumnwidth}{\textwidth}%
2257 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2258 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2259 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2260 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2261 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2262 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2263 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2264 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2265 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2266 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2267 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2268 \renewcommand{\headwidth}{\textwidth}%
2269 \recomputethemelengths}
2270 \setlength{\hintscolumnwidth}{0.15\textwidth}
2271 \recomputelengths
2272 \title{}
2273 \renewcommand*{\maketitle}{}
2274 \newcommand*{\section}[1]{%
2275 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2276 \phantomsection}%
2277 \addcontentsline{toc}{part}{#1}%
2278 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}
2279 \hspace{\separatorcolumnwidth}%
2280 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
2281 \newcommand*{\subsection}[1]{%
2282 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2283 \newcommand*{\cvline}[3][.25em]{%
2284 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}
2285 \bidi@raggedleft\hintfont{#2} \&{#3}%
2286 \end{tabular}}\[#1]}
2287 \newcommand*{\cvdoubleitem}[4]{%
2288 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2289 \hfill%
2290 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\se
2291 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}{%
2292 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
2293 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}{%
2294 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2295 \hfill%
2296 \ifthenelse{\equal{#3}{}}{%
2297 {}%
2298 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2299 \newcommand*{\cventry}[6]{%
2300 \cvline{#1}{%
2301 {\bfseries#2}%

```



```

2302 \ifx#3\else{, {\slshape#3}}\fi%
2303 \ifx#4\else{, #4}\fi%
2304 \ifx#5\else{, #5}\fi%
2305 .%
2306 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2307 }%
2308 \newcommand*{\cvlanguage}[3]{%
2309 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{m
2310 \newcommand*{\cvcomputer}[4]{%
2311 \cvsdoubleitem{#1}{\small#2}{#3}{\small#4}}
2312 \newcommand*{\link}[2][]{%
2313 \ifthenelse{\equal{#1}{}}{%
2314 {\href{#2}{#2}}%
2315 {\href{#2}{#1}}}
2316 \newcommand*{\httplink}[2][]{%
2317 \ifthenelse{\equal{#1}{}}{%
2318 {\href{http://#2}{#2}}%
2319 {\href{http://#2}{#1}}}
2320 \newcommand*{\emailink}[2][]{%
2321 \ifthenelse{\equal{#1}{}}{%
2322 {\href{mailto:#2}{#2}}%
2323 {\href{mailto:#2}{#1}}}
2324 \newif\if@displaypagenumbers\@displaypagenumberstrue
2325 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2326 \AtBeginDocument{%
2327 \if@displaypagenumbers%
2328 \@ifundefined{r@lastpage}{\@%
2329 \ifthenelse{\pageref{lastpage} > 1}{%
2330 \fancypagestyle{plain}{%
2331 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref
2332 \pagestyle{plain}}}{\@%
2333 \AtEndDocument{\label{lastpage}}%
2334 \fi}
2335 \newlength{\bibindent}
2336 \setlength{\bibindent}{1.5em}
2337 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2338 \newenvironment{thebibliography}[1]{%
2339 {%
2340 \section{\refname}%
2341 \small%
2342 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2343 \begin{list}{\bibliographyitemlabel}%
2344 {%
2345 \setlength{\topsep}{0pt}%
2346 \setlength{\labelwidth}{\hintscolumnwidth}%
2347 \setlength{\labelsep}{\separatorcolumnwidth}%
2348 \leftmargin\labelwidth%
2349 \advance\leftmargin\labelsep%
2350 \@openbib@code%
2351 \usecounter{enumiv}%

```



```

2352         \let\p@enumiv\@empty%
2353         \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
2354         \sloppy\clubpenalty4000\widowpenalty4000%
2355     }%
2356     {%
2357     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}}%
2358     \end{list}}%
2359 }
2360 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2361 \let\@openbib@code\@empty

```

7.21 biditools.sty

```

2362 \NeedsTeXFormat{LaTeX2e}
2363 \ProvidesPackage{biditools}[2015/11/14 v0.8 Programming tools for bidi package]
2364 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2365   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2366   \ifx\@tempa\@tempb \global\let#2#1%
2367   \else
2368     \edef\@tempb{\meaning#2}%
2369     \ifx\@tempa\@tempb
2370     \else
2371       \@latex@error{Unable to properly define \string#2; primitive
2372       \noexpand#1no longer primitive}\@eha
2373     \fi
2374   \fi
2375   \endgroup}
2376 \newtoks\@bidi@envbody
2377 \newtoks\@bidi@emptytoks
2378 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2379 \def\bidi@collect@body#1{%
2380   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2381 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2382 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2383 \begingroup
2384 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@body
2385 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2386 \bidi@process@envbody
2387 }
2388 \def\bidi@push@begins#1\begin#2{%
2389   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2390 }
2391 \def\bidi@collect@@body#1\end#2{%
2392   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2393   \ifx\@empty\begin@bidi@stack
2394     \endgroup
2395     \@checkend{#2}%
2396     \bidi@addto@envbody{#1}%
2397   \else
2398     \bidi@addto@envbody{#1\end{#2}}%

```



```

2399 \fi
2400 \bidi@process@envbody % A little tricky! Note the grouping
2401 }
2402 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2403 \long\def\bidi@collect@long@body#1{%
2404   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2405 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentenv}}%
2406 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2407 \begingroup
2408 \expandafter\let\csname\@currentenv\endcsname\bidi@collect@long@@body
2409 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\endcsname}%
2410 \bidi@process@envbody
2411 }
2412 \long\def\bidi@push@long@begins#1\begin#2{%
2413   \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2414 }
2415 \long\def\bidi@collect@long@@body#1\end#2{%
2416   \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
2417   \ifx\@empty\begin@bidi@stack
2418     \endgroup
2419     \@checkend{#2}%
2420     \bidi@addto@long@envbody{#1}%
2421   \else
2422     \bidi@addto@long@envbody{#1\end{#2}}%
2423   \fi
2424 \bidi@process@envbody % A little tricky! Note the grouping
2425 }
2426 \long\def\bidi@new@ifnextchar#1#2#3{%
2427   \let\reserved@d= #1%
2428   \def\reserved@a{#2}\def\reserved@b{#3}%
2429   \futurelet\@let@token\bidi@new@ifnch
2430 }
2431 \def\bidi@new@ifnch{%
2432   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2433   \reserved@b
2434 }
2435 \def\bidi@matrix@check#1{%
2436   \expandafter\ifx\csname\@currentenv\endcsname#1%
2437   \else\bidi@matrix@error#1%
2438     \expandafter\@gobble
2439   \fi
2440 }
2441 \def\bidi@matrix@error#1{%
2442   \PackageError{biditools}{%
2443     Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2444   }{%
2445     '\string#1{...}' is old bidi package syntax whose use is
2446     ill-advised in the old versions of bidi package.%
2447   }%
2448 }

```



```

2449 \def\@tagsextension{clo}
2450 \def\@definitionfileextension{def}
2451 \def\@texfileextension{tex}
2452 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2453 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2454 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2455 \def\eqnewif#1#2{%
2456   \count@\escapechar \escapechar\m@ne
2457   \let#1\iffalse
2458   \let#2\iffalse
2459   \eq@if#1#2\iftrue
2460   \eq@if#1#2\iffalse
2461   \escapechar\count@}
2462 \def\eq@if#1#2#3{%
2463   \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2464     \expandafter\@gobbletwo\string#3\endcsname
2465     {\let#1#3%
2466     \let#2#3}%
2467   \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2468     \expandafter\@gobbletwo\string#3\endcsname
2469     {\let#2#3%
2470     \let#1#3}}
2471 \def\@bidi@removefromreset#1#2{%
2472   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2473   \def\@elt##1{%
2474     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2475     \else
2476       \noexpand\@elt{##1}%
2477     \fi}%
2478   \expandafter\xdef\csname cl@#2\endcsname{%
2479     \csname cl@#2\endcsname}}
2480 \newcommand*{\if@bidi@csdef}[1]{%
2481   \ifcsname#1\endcsname
2482     \expandafter\@firstoftwo
2483   \else
2484     \expandafter\@secondoftwo
2485   \fi}
2486 \newcommand*{\if@bidi@csundef}[1]{%
2487   \ifcsname#1\endcsname
2488     \expandafter\ifx\csname#1\endcsname\relax
2489     \expandafter\expandafter
2490     \expandafter\@firstoftwo
2491   \else
2492     \expandafter\expandafter
2493     \expandafter\@secondoftwo
2494   \fi
2495   \else
2496     \expandafter\@firstoftwo
2497   \fi}
2498 \newcommand{\if@bidi@def}[1]{%

```



```

2499 \ifdefined#1%
2500 \expandafter\@firstoftwo
2501 \else
2502 \expandafter\@secondoftwo
2503 \fi}
2504 \newcommand{\if@bidi@undef}[1]{%
2505 \ifdefined#1%
2506 \ifx#1\relax
2507 \expandafter\expandafter
2508 \expandafter\@firstoftwo
2509 \else
2510 \expandafter\expandafter
2511 \expandafter\@secondoftwo
2512 \fi
2513 \else
2514 \expandafter\@firstoftwo
2515 \fi}
2516 \newcommand{\if@bidi@blank}[1]{% from url.sty
2517 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2518 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2519 \newcommand{\bidi@notblank}[1]{%
2520 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2521 \newcommand{\if@bidi@defmacro}{%
2522 \long\edef\if@bidi@defmacro#1{%
2523 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2524 \noexpand\meaning#1\detokenize{macro}:&}
2525 \edef\bidi@ifdefmacro{%
2526 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2527 \bidi@ifdefmacro{\bidi@notblank{#2}}
2528 \newcommand*\if@bidi@csmacro}[1]{%
2529 \if@bidi@csdef{#1}
2530 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2531 {\@secondoftwo}}
2532 \newcommand{\if@bidi@defprimitive}[1]{%
2533 \ifprimitive#1%
2534 \expandafter\@firstoftwo
2535 \else
2536 \expandafter\@secondoftwo
2537 \fi}
2538 \newcommand{\if@bidi@csprimitive}[1]{%
2539 \begingroup\expandafter\expandafter\expandafter\endgroup%
2540 \expandafter\ifprimitive\csname#1\endcsname%
2541 \expandafter\@firstoftwo
2542 \else
2543 \expandafter\@secondoftwo
2544 \fi}
2545 \newcommand*\bidi@csdefcs}[2]{%
2546 \expandafter\@ifdefinable \csname#1\endcsname{%
2547 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2548 \newcommand*\bidi@csletcs}[2]{%

```




```

2549 \expandafter\@ifdefinable \csname#1\endcsname{%
2550 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2551 \newcommand*{\bidi@cslet}[2]{%
2552 \expandafter\@ifdefinable \csname#1\endcsname{%
2553 \expandafter\let\csname#1\endcsname#2}}
2554 \newcommand{\bidi@namelongdef}[1]{%
2555 \long\expandafter\def\csname #1\endcsname}
2556 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2557 \def\bidi@ensure@new@command#1{%
2558 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2559 \expandafter\if@bidi@csundef\@gtempa
2560 {\new@command#1}{\relax%
2561 \let\@ifdefinable\@rc@ifdefinable%
2562 \new@command#1}}
2563 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2564
2565 \protected\def\bidi@error{\PackageError{bidi}}
2566 \protected\def\bidi@warning{\PackageWarning{bidi}}
2567 \protected\def\bidi@info{\PackageInfo{bidi}}
2568
2569 \newcommand*{\bidi@newrobustcmd}{}
2570 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2571
2572 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2573
2574 \def\bidi@newcommand#1[#2]{%
2575 \@ifnextchar[%
2576 {\bidi@xargdef#1[#2]}
2577 {\ifx\l@ngrel@x\relax
2578 \let\l@ngrel@x\protected
2579 \else
2580 \protected\def\l@ngrel@x{\protected\long}%
2581 \fi
2582 \@argdef#1[#2]}}
2583
2584 \long\def\bidi@xargdef#1[#2][#3]#4{%
2585 \@ifdefinable#1{%
2586 \expandafter\protected
2587 \expandafter\def
2588 \expandafter#1%
2589 \expandafter{%
2590 \expandafter\@testopt
2591 \csname\string#1\endcsname{#3}}%
2592 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
2593
2594 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2595
2596 \def\bidi@renew@command#1{%
2597 \if@bidi@undef{#1}
2598 {\bidi@error{\string#1 undefined}\@ehc}

```



```

2599     {%
2600     \let\@ifdefinable\@rc@ifdefinable
2601     \bidi@new@command#1}
2602
2603
2604
2605 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2606
2607 \def\bidi@provide@command#1{%
2608   \if@bidi@undef{#1}
2609     {\def\reserved@a{\bidi@new@command#1}}
2610     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2611   \reserved@a}
2612
2613 \newcommand*{\bidi@csuse}[1]{%
2614   \ifcsname#1\endcsname
2615     \csname#1\expandafter\endcsname
2616   \fi}
2617
2618 \newcommand{\bidi@expandonce}[1]{%
2619   \unexpanded\expandafter{#1}}
2620
2621 \def\bidi@protected{%
2622   \let\@protect\protect
2623   \let\protect\@unexpandable@protect
2624   \afterassignment\restore@protect}
2625
2626 \bidi@newrobustcmd{\bidi@appto}[2]{%
2627   \if@bidi@undef{#1}
2628     {\edef#1{\unexpanded{#2}}}
2629     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2630 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2631   \if@bidi@undef{#1}
2632     {\edef#1{#2}}
2633     {\edef#1{\bidi@expandonce#1#2}}}
2634 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2635   \if@bidi@undef{#1}
2636     {\xdef#1{\unexpanded{#2}}}
2637     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2638 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2639   \if@bidi@undef{#1}
2640     {\xdef#1{#2}}
2641     {\xdef#1{\bidi@expandonce#1#2}}}
2642
2643 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2644 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2645
2646
2647
2648 \bidi@newrobustcmd{\bidi@preto}[2]{%

```



```

2649 \if@bidi@undef{#1}
2650   {\edef#1{\unexpanded{#2}}}
2651   {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2652 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2653   \if@bidi@undef{#1}
2654     {\edef#1{#2}}
2655     {\edef#1{#2\bidi@expandonce#1}}}
2656 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2657   \if@bidi@undef{#1}
2658     {\xdef#1{\unexpanded{#2}}}
2659     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2660 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2661   \if@bidi@undef{#1}
2662     {\xdef#1{#2}}
2663     {\xdef#1{#2\bidi@expandonce#1}}}
2664
2665 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2666 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2667
2668
2669
2670 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2671 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2672 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2673 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2674 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2675 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2676
2677
2678
2679 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2680 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2681 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2682 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2683 \bidi@newrobustcmd*{\bidi@protected@cspreto}{\bidi@protected\bidi@cspreto}
2684 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2685
2686
2687
2688 \bidi@newrobustcmd{\if@bidi@patchable}{%
2689   \bidi@dbg@trce\if@bidi@patchable
2690   \begingroup
2691   \@makeother\#%
2692   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2693
2694 \long\def\bidi@ifpatchable#1#2{%
2695   \endgroup
2696   \bidi@dbg@init#1%
2697   \if@bidi@undef{#1}
2698     {\bidi@dbg@fail{def}\@secondoftwo}

```



```

2699 {\bidi@dbg@info{def}}%
2700 \if@bidi@defmacro{#1}
2701 {\bidi@dbg@info{mac}}%
2702 \bidi@ifscanable{#1}
2703 {\bidi@ifhashcheck{#2}
2704 {\bidi@dbg@info{tok}}%
2705 \bidi@ifpattern#1{#2}
2706 {\bidi@dbg@info{pat}}%
2707 \bidi@dbg@info{pos}\@firstoftwo}
2708 {\bidi@dbg@fail{pat}\@secondoftwo}}
2709 {\bidi@dbg@fail{hsh}\@secondoftwo}}
2710 {\bidi@dbg@fail{tok}\@secondoftwo}}
2711 {\bidi@dbg@fail{mac}\@secondoftwo}}}
2712
2713 \long\def\bidi@ifpatchable@i#1{%
2714 \endgroup
2715 \bidi@dbg@init#1%
2716 \if@bidi@undef{#1}
2717 {\bidi@dbg@fail{def}\@secondoftwo}
2718 {\bidi@dbg@info{def}}%
2719 \if@bidi@defmacro{#1}
2720 {\bidi@dbg@info{mac}}%
2721 \if@bidi@defparam{#1}
2722 {\bidi@dbg@info{prm}}%
2723 \bidi@ifscanable{#1}
2724 {\bidi@dbg@info{tok}}%
2725 \bidi@dbg@info{pos}\@firstoftwo}
2726 {\bidi@dbg@fail{tok}\@secondoftwo}}
2727 {\bidi@dbg@info{prl}}%
2728 \if@bidi@defprotected{#1}
2729 {\bidi@dbg@info{pro}}
2730 {}%
2731 \bidi@dbg@info{pos}\@firstoftwo}}
2732 {\bidi@dbg@fail{mac}\@secondoftwo}}}
2733
2734 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2735 \bidi@dbg@trce\bidi@patchcmd
2736 \begingroup
2737 \@makeother\#%
2738 \bidi@@patchcmd}
2739
2740 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2741 \bidi@ifpatchable#2{#3}
2742 {\bidi@dbg@succ{ret}}%
2743 \begingroup
2744 \edef\bidi@resrvda{%
2745 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2746 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2747 \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2748 ####1\detokenize{#4}####2}%

```



```

2749     \edef\noexpand\bidi@resrvda{%
2750         \noexpand\bidi@resrvda\meaning#2&}}%
2751     \bidi@resrvda
2752     \bidi@patchcmd@scantoks\bidi@resrvda
2753     \let#2\bidi@resrvda
2754     \bidi@undef\bidi@resrvda
2755     \@firstoftwo}
2756     {\@secondoftwo}}
2757
2758 \def\bidi@patchcmd@scantoks#1{%
2759     \edef\bidi@resrvda{\endgroup
2760         \unexpanded{\makeatletter\scantokens}{#1}%
2761         \catcode\number`\@=\the\catcode`\@ \relax}%
2762     \bidi@resrvda}
2763
2764 \newcommand\bidi@isloaded[2] []{
2765     \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
2766     \expandafter\newif\csname if@bidi@#2loaded@\endcsname
2767     \fi
2768     \@ifpackageloaded{#2}
2769     {\csname @bidi@#2loaded@true\endcsname #1}
2770     {\csname @bidi@#2loaded@false\endcsname}}
2771
2772 \protected\def\bidi@ifscanable#1{%
2773     \begingroup
2774     \edef\bidi@resrvda{%
2775         \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2776             ####1\def\string\bidi@resrvda####2{####3}}}%
2777     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
2778     \bidi@resrvda
2779     \makeatletter
2780     \scantokens\expandafter{\bidi@resrvda}%
2781     \expandafter\endgroup\ifx#1\bidi@resrvda
2782     \expandafter\@firstoftwo
2783     \else
2784     \expandafter\@secondoftwo
2785     \fi}
2786
2787
2788 \protected\long\def\bidi@ifhashcheck#1{%
2789     \begingroup
2790     \edef\bidi@resrvda{\detokenize{#1}}%
2791     \expandafter\endgroup
2792     \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
2793
2794 \edef\bidi@ifhashcheck@i#1&{%
2795     \noexpand\expandafter
2796     \noexpand\bidi@ifhashcheck@ii
2797     \noexpand\strip@prefix#1\string#\string#&}
2798

```



```

2799 \edef\bidii@ifhashcheck@ii{%
2800   \def\noexpand\bidii@ifhashcheck@ii##1\string#\string###2&{%
2801     \bidii@ifhashcheck@ii{\if@bidii@blank{#2}}
2802
2803
2804 \protected\long\def\bidii@ifpattern#1#2{%
2805   \begingroup
2806   \edef\bidii@resrvda{%
2807     \def\noexpand\bidii@resrvda####1\detokenize{#2}####2&{%
2808       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidii@blank{####2}}%
2809     \edef\noexpand\bidii@resrvda{\noexpand\bidii@resrvda
2810       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
2811     \noexpand\bidii@resrvda}
2812   \bidii@resrvda\@secondoftwo\@firstoftwo}
2813
2814
2815 \newcommand{\if@bidii@defparam}{%
2816   \long\edef\if@bidii@defparam#1{%
2817     \noexpand\expandafter\noexpand\bidii@ifdefparam
2818     \noexpand\meaning#1\detokenize{macro}:->&}
2819   \edef\bidii@ifdefparam{%
2820     \def\noexpand\bidii@ifdefparam##1\detokenize{macro}:##2->##3&}
2821   \bidii@ifdefparam{\bidii@notblank{#2}}
2822
2823
2824 \newcommand{\if@bidii@defprotected}{%
2825   \long\edef\if@bidii@defprotected#1{%
2826     \noexpand\expandafter\noexpand\bidii@ifdefprotected
2827     \noexpand\meaning#1\string\protected&}
2828   \edef\bidii@ifdefprotected{%
2829     \def\noexpand\bidii@ifdefprotected##1\string\protected##2&}
2830   \bidii@ifdefprotected{\bidii@notblank{#2}}
2831
2832
2833 \bidii@newrobustcmd{\bidii@undef}[1]{\let#1\bidii@undefined}
2834
2835 \let\bidii@dbg@trce\@gobble
2836 \let\bidii@dbg@init\@gobble
2837 \let\bidii@dbg@info\@gobble
2838 \let\bidii@dbg@succ\@gobble
2839 \let\bidii@dbg@fail\@gobble
2840
2841
2842
2843 \bidii@newrobustcmd*{\bidii@apptocmd}{%
2844   \bidii@dbg@trce\bidii@apptocmd
2845   \begingroup
2846   \@makeother\#%
2847   \bidii@hooktocmd\bidii@append}
2848

```



```

2849
2850
2851 \bidi@newrobustcmd*{\bidi@pretocmd}{%
2852   \bidi@dbg@trce\bidi@pretocmd
2853   \begingroup
2854   \@makeother\#%
2855   \bidi@hooktocmd\bidi@prepend}
2856
2857 \long\def\bidi@hooktocmd#1#2#3{%
2858   \endgroup
2859   \bidi@dbg@init#2%
2860   \if@bidi@undef{#2}
2861     {\bidi@dbg@fail{def}\@secondoftwo}
2862     {\bidi@dbg@info{def}%
2863       \if@bidi@defmacro{#2}
2864         {\bidi@dbg@info{mac}%
2865           \if@bidi@defparam{#2}
2866             {\bidi@dbg@info{prm}%
2867               \bidi@ifscanable{#2}
2868                 {\bidi@ifhashcheck{#3}
2869                   {\bidi@dbg@info{tok}%
2870                     \bidi@dbg@succ{ret}%
2871                     \bidi@hooktocmd#i#1#2{#3}%
2872                     \@firstoftwo}
2873                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
2874                 {\bidi@dbg@fail{tok}\@secondoftwo}}
2875             {\bidi@dbg@info{prl}%
2876               \if@bidi@defprotected{#2}
2877                 {\bidi@dbg@info{pro}%
2878                   \bidi@dbg@succ{red}%
2879                   \protected}
2880                 {\bidi@dbg@succ{red}}}%
2881             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
2882             \@firstoftwo}}
2883     {\bidi@dbg@fail{mac}\@secondoftwo}}
2884
2885 \long\def\bidi@hooktocmd#i#1#2#3{%
2886   \begingroup
2887   \edef\bidi@resrvda{%
2888     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2889       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
2890     \edef\noexpand\bidi@resrvda{%
2891       \noexpand\bidi@resrvda\meaning#2&}}%
2892   \bidi@resrvda
2893   \bidi@patchcmd@scantoks\bidi@resrvda
2894   \let#2\bidi@resrvda
2895   \bidi@undef\bidi@resrvda}
2896
2897 \long\def\bidi@append#1#2{#1#2}
2898 \long\def\bidi@prepend#1#2{#2#1}

```



```

2899
2900 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
2901 \newcommand*{\bidi@endpreamblehook}{\}
2902
2903 \bidi@preto\document{%
2904   \endgroup
2905   \let\bidi@AtEndPreamble\@firstofone
2906   \bidi@endpreamblehook
2907   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
2908   \bidi@undef\bidi@endpreamblehook
2909   \begingroup}
2910
2911 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
2912 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
2913
2914 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
2915 \newcommand*{\bidi@afterendpreamblehook}{\}
2916
2917 \bidi@appto\document{%
2918   \let\bidi@AfterEndPreamble\@firstofone
2919   \bidi@afterendpreamblehook
2920   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
2921   \bidi@undef\bidi@afterendpreamblehook
2922   \ignorespaces}
2923
2924 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
2925
2926 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
2927 \newcommand*{\bidi@afterenddocumenthook}{\}
2928
2929 \bidi@patchcmd\enddocument
2930   {\deadcycles}
2931   {\let\bidi@AfterEndDocument\@firstofone
2932     \bidi@afterenddocumenthook
2933     \deadcycles}
2934   {}
2935   {\let\bidi@@end\@@end
2936     \def\@@end{%
2937       \let\bidi@AfterEndDocument\@firstofone
2938       \bidi@afterenddocumenthook
2939       \bidi@@end}}
2940
2941 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
2942   \bidi@csgappto{\bidi@begin@#1hook}}
2943
2944 \bidi@patchcmd\begin
2945   {\csname #1\endcsname}
2946   {\bidi@csuse{\bidi@begin@#1hook}%
2947     \csname #1\endcsname}
2948   {}

```




```

2949 {\bidi@warning{%
2950     Patching '\string\begin' failed!\MessageBreak
2951     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
2952
2953
2954
2955 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
2956     \bidi@csgappto{@bidi@end@#1@hook}}
2957
2958 \bidi@patchcmd\end
2959     {\csname end#1\endcsname}
2960     {\bidi@csuse{@bidi@end@#1@hook}}%
2961     \csname end#1\endcsname}
2962     {}
2963     {\bidi@warning{%
2964         Patching '\string\end' failed!\MessageBreak
2965         '\string\bidi@AtEndEnvironment' will not work\@gobble}}
2966
2967
2968
2969 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
2970     \bidi@csgappto{@bidi@beforebegin@#1@hook}}
2971
2972 \bidi@pretocmd\begin
2973     {\bidi@csuse{@bidi@beforebegin@#1@hook}}
2974     {}
2975     {\bidi@warning{%
2976         Patching '\string\begin' failed!\MessageBreak
2977         '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
2978
2979
2980
2981 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
2982     \bidi@csgappto{@bidi@afterend@#1@hook}}
2983
2984 \bidi@patchcmd\end
2985     {\if@ignore}
2986     {\bidi@csuse{@bidi@afterend@#1@hook}}%
2987     {\if@ignore}
2988     {}
2989     {\bidi@warning{%
2990         Patching '\string\end' failed!\MessageBreak
2991         '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
2992
2993 \CheckCommand{\InputIfFileExists}[2]{%
2994     \IfFileExists{#1}%
2995         {#2\@addtofilelist{#1}\@@input \@filef@und}}
2996
2997 \renewcommand{\InputIfFileExists}[2]{%
2998     \begingroup\expandafter\expandafter\expandafter\endgroup

```



```

2999 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3000 \expandafter\@secondoftwo
3001 \else
3002 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3003 \expandafter\@firstoftwo
3004 \fi
3005 {%
3006 \expandafter\InputIfFileExists\expandafter{\csname
3007 #1-@bidi@alias\endcsname}{#2}%
3008 }%
3009 {\IfFileExists{#1}{%
3010 \bidi@load@hook{before}{#1}%
3011 #2\@addtofilelist{#1}%
3012 \@@input \@filef@und
3013 \bidi@load@hook{after}{#1}%
3014 }}%
3015 }
3016
3017 \newcommand*{\bidi@@loadwithoptions}{%
3018 \newcommand*{\bidi@loadwithoptions}{%
3019 \let\bidi@loadwithoptions\loadwithoptions
3020
3021 \renewcommand*{\@loadwithoptions}[3]{%
3022 \begingroup\expandafter\expandafter\expandafter\endgroup
3023 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3024 \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3025 \else
3026 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3027 \def\bidi@@loadwithoptions{%
3028 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%
3029 }%
3030 \fi
3031 \bidi@@loadwithoptions
3032 }
3033
3034 \newcommand*{\bidi@onefilewithoptions}{%
3035 \let\bidi@onefilewithoptions\@onefilewithoptions
3036 \def\@onefilewithoptions#1[#2][#3]#4{%
3037 \begingroup\expandafter\expandafter\expandafter\endgroup
3038 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3039 \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3040 \else
3041 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3042 \edef\bidi@@onefilewithoptions{%
3043 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3044 \fi
3045 \bidi@@onefilewithoptions[[#2]][#3][#4}%
3046 \bidi@load@hook{lateafter}{#1.#4}%
3047 }
3048

```



```

3049 \newcommand*{\bidi@ReplaceInput}[2]{%
3050   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3051 }
3052
3053 \newcommand*{\bidi@UnReplaceInput}[1]{%
3054   \ifcsname #1-@bidi@alias\endcsname
3055     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3056   \fi
3057 }
3058
3059 \newcommand*{\@bidi@replacefilewithtext}[3]{%
3060   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3061 }
3062 \newcommand*{\bidi@ReplacePackage}[2]{%
3063   \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
3064 }
3065 \newcommand*{\bidi@ReplaceClass}[2]{%
3066   \@bidi@replacefilewithtext{#1}{#2}\@clsextension
3067 }
3068 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
3069   \ifcsname #1.#2-@bidi@aliasname\endcsname
3070     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3071   \fi
3072 }
3073 \newcommand*{\bidi@UnReplacePackage}[1]{%
3074   \@bidi@unreplacefilewithtext{#1}\@pkgextension
3075 }
3076 \newcommand*{\bidi@UnReplaceClass}[1]{%
3077   \@bidi@unreplacefilewithtext{#1}\@clsextension
3078 }
3079 \newcommand*{\bidi@replacefile@msg}[2]{%
3080   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3081 }
3082
3083 \newcommand*{\bidi@load@hook}[2]{%
3084   \@ifundefined{#2-@#1}{}%
3085   \@nameuse{#2-@#1}%
3086   \expandafter\let\csname #2-@#1\endcsname=\relax}}
3087 \newcommand*{\bidi@set@load@hook}[2]{%
3088   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
3089   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3090 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3091 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3092 \newcommand*{\bidi@BeforeClass}[1]{%
3093   \bidi@set@load@hook{before}{#1.\@clsextension}}
3094 \newcommand*{\bidi@AfterClass}{%
3095   \@ifstar {\@s@bidi@AfterClass}{%
3096     \@ifnextchar +{\@bidi@AfterClass}%
3097     \@ifnextchar !{\@bidi@AfterClass\bidi@AfterClass
3098     }%

```



```

3099 }%
3100 }
3101
3102 \newcommand*{\@@@bidi@AfterClass}[2]{%
3103 \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3104 \aftergroup\@s@bidi@AfterClass
3105 \else
3106 \aftergroup\bidi@AfterAtEndOfClass
3107 \fi
3108 \endgroup{#2}%
3109 }
3110
3111 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3112 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3113 \newcommand*{\@@@bidi@AfterClass}[2]{%
3114 \begingroup
3115 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3116 \aftergroup\@s@bidi@AfterClass
3117 \else
3118 \aftergroup\bidi@AfterClass
3119 \fi
3120 \endgroup{#2}%
3121 }
3122
3123 \newcommand*{\@bidi@AfterClass}[1]{%
3124 \bidi@set@load@hook{after}{#1.\@clsextension}}
3125 \newcommand*{\@s@bidi@AfterClass}[1]{%
3126 \begingroup
3127 \@ifclassloaded{#1}{%
3128 \aftergroup\@secondoftwo
3129 }{%
3130 \aftergroup\bidi@AfterClass
3131 }%
3132 \endgroup
3133 {#1}%
3134 }
3135
3136
3137 \newcommand*{\bidi@BeforePackage}[1]{%
3138 \bidi@set@load@hook{before}{#1.\@pkgextension}}
3139 \newcommand*{\bidi@AfterPackage}{%
3140 \@ifstar {\@s@bidi@AfterPackage}{%
3141 \@ifnextchar +\@@@bidi@AfterPackage{%
3142 \@ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
3143 }%
3144 }%
3145 }
3146 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3147 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3148 \aftergroup\@s@bidi@AfterPackage

```



```

3149 \else
3150   \aftergroup\bid@AfterAtEndOfPackage
3151 \fi
3152 \endgroup{#2}%
3153 }
3154 \newcommand*{\bid@AfterAtEndOfPackage}[1]{%
3155   \bid@set@load@hook{lateafter}{#1.\@pkgextension}}
3156 \newcommand*{\@bid@AfterPackage}[2]{%
3157   \begingroup
3158     \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
3159     \aftergroup\@s@bid@AfterPackage
3160   \else
3161     \aftergroup\@bid@AfterPackage
3162   \fi
3163   \endgroup{#2}%
3164 }
3165 \newcommand*{\@bid@AfterPackage}[1]{%
3166   \bid@set@load@hook{after}{#1.\@pkgextension}}
3167 \newcommand*{\@s@bid@AfterPackage}[1]{%
3168   \begingroup
3169     \@ifpackageloaded{#1}{%
3170       \aftergroup\@secondoftwo
3171     }{%
3172       \aftergroup\@bid@AfterPackage
3173     }%
3174   \endgroup
3175   {#1}%
3176 }
3177
3178 \newcommand*{\bid@excludedpackages}{}
3179 \let\bid@excludedpackages\@empty
3180 \newcommand*{\bid@s@ved@RequirePackage}{}
3181 \newcommand*{\bid@PreventPackageFromLoading}{%
3182   \@ifstar{\@bid@PreventPackageFromLoading\PackageInfo}%
3183   {\@bid@PreventPackageFromLoading\PackageWarning}%
3184 }
3185 \newcommand*{\@bid@PreventPackageFromLoading}[1]{%
3186   \@ifnextchar [%]
3187   {\@bid@PreventPackageFromLoading#1}{\@bid@PreventPackageFromLoading#1 []}%
3188 }
3189 \newcommand*{\@bid@PreventPackageFromLoading}{}
3190
3191 \def\@bid@PreventPackageFromLoading#1[#2]#3{%
3192   \edef\reserved@b{\zap@space#3 \@empty}%
3193   \ifx \reserved@b\@empty
3194     #1{biditools}{%
3195       \string\bid@PreventPackageFromLoading\space with empty packages\MessageBreak
3196       argument ignored%
3197     }%
3198   \else

```



```

3199 \ifx\bidi@excludedpackages\@empty
3200 \let\bidi@saved@RequirePackage\RequirePackage
3201 \let\RequirePackage\bidi@RequirePackage
3202 \def\reserved@a##1##{%
3203 \latex@error
3204 {\noexpand \usepackage before \string\documentclass}%
3205 {\noexpand \usepackage may only appear in the document
3206 preamble, i.e.,\MessageBreak
3207 between \noexpand\documentclass and
3208 \string\begin{document}.}%
3209 \@gobble}%
3210 \ifx\reserved@a\usepackage\else
3211 \ifx\usepackage\bidi@saved@RequirePackage\else
3212 \PackageWarning{biditytools}{%
3213 Maybe serious problem: unexpected definition of\MessageBreak
3214 \string\usepackage
3215 }%
3216 \fi
3217 \let\usepackage\RequirePackage
3218 \fi
3219 \fi
3220 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3221 \reserved@b\do {%
3222 \ifx\reserved@a\@empty
3223 #1{biditytools}{%
3224 empty package argument for
3225 \string\bidi@PreventPackageFromLoading\MessageBreak
3226 ignored%
3227 }%
3228 \else
3229 \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3230 #1{biditytools}{%
3231 package `'\reserved@a' already loaded.\MessageBreak
3232 Cannot prevent it from being loaded%
3233 }%
3234 }{%
3235 \edef\bidi@excludedpackages{\bidi@excludedpackages,%
3236 \reserved@a}%
3237 \if\relax\detokenize{#2}\relax\else
3238 \@ifundefined{bidi@exclude@package@\reserved@a @do}{%
3239 \@namedef{bidi@exclude@package@\reserved@a @do}{}%
3240 }{}%
3241 \expandafter\def
3242 \csname bidi@exclude@package@\reserved@a
3243 @do\expandafter\expandafter\expandafter\endcsname
3244 \expandafter\expandafter\expandafter{%
3245 \csname bidi@exclude@package@\reserved@a @do\endcsname
3246 #2%
3247 }%
3248 \fi

```



```

3249     }%
3250     \fi
3251   }%
3252   \ifx\bidix@excludedpackages\@empty
3253     \bidix@ResetPreventPackageFromLoading
3254   \fi
3255 \fi
3256 }
3257
3258 \@onlypreamble\bidix@PreventPackageFromLoading
3259 \newcommand*{\bidix@ResetPreventPackageFromLoading}{%
3260   \let\bidix@excludedpackages\@empty
3261   \ifx\RequirePackage\bidix@RequirePackage
3262     \ifx\usepackage\RequirePackage
3263       \let\usepackage\bidix@saved@RequirePackage
3264     \fi
3265     \let\RequirePackage\bidix@saved@RequirePackage
3266   \fi
3267 }
3268 \@onlypreamble\bidix@ResetPreventPackageFromLoading
3269 \newcommand*{\bidix@store@PreventPackageFromLoading}[1]{%
3270   \let#1\bidix@excludedpackages
3271 }
3272 \@onlypreamble\bidix@store@PreventPackageFromLoading
3273 \newcommand*{\bidix@unprevent@PreventPackageFromLoading}{%
3274   \@ifstar {\@tempswatrue\@bidix@unprevent@PreventPackageFromLoading}%
3275             {\@tempswafalse\@bidix@unprevent@PreventPackageFromLoading}%
3276 }
3277
3278 \newcommand*{\@bidix@unprevent@PreventPackageFromLoading}[1]{%
3279   \edef\reserved@a{\zap@space#1 \@empty}%
3280   \if@tempswa
3281     \@for\reserved@a:=\reserved@b\do {%
3282       \ifx\reserved@a\@empty \else
3283         \ifcsname bidix@exclude@package@\reserved@a @do\endcsname
3284           \expandafter\let
3285             \csname bidix@exclude@package@\reserved@a @do\endcsname
3286             \undefined
3287         \fi
3288       \fi
3289     }%
3290   \fi
3291   \ifcsname bidix@excludedpackages\endcsname
3292     \let\reserved@a\bidix@excludedpackages
3293     \let\bidix@excludedpackages\@empty
3294     \expandafter\@for\expandafter\reserved@c
3295     \expandafter:\expandafter=\reserved@a
3296     \do{%
3297       \ifx\reserved@c\@empty\else
3298         \@expandtwoargs\in@{\reserved@c,}\reserved@b,%

```



```

3299         \ifin@
3300         \else
3301             \edef\bidix@excludedpackages{%
3302                 \bidix@excludedpackages,\reserved@c
3303             }%
3304         \fi
3305     \fi
3306 }%
3307 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
3308 \fi
3309 }
3310
3311
3312 \newcommand*{\bidix@RequirePackage}[2][{}]{%
3313     \let\reserved@c\@empty
3314     \let\reserved@d\@empty
3315     \edef\reserved@b{\zap@space#2 \@empty}%
3316     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3317     \do {%
3318         \begingroup
3319         \@tempswatrue
3320         \@for\reserved@a:=\bidix@excludedpackages\do {%
3321             \ifx\reserved@a\reserved@b
3322                 \@tempswafalse
3323             \fi
3324         }%
3325         \if@tempswa
3326             \xdef\reserved@c{\reserved@c,\reserved@b}%
3327         \else
3328             \ifx\reserved@b\@empty\else
3329                 \PackageInfo{biditools}{Excluding package `'\reserved@b'\MessageBreak
3330                     from loading}%
3331                 \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
3332                     }{%
3333                         \expandafter\g@addto@macro\expandafter\reserved@d
3334                         \csname bidix@exclude@package@\reserved@b @do\endcsname
3335                     }%
3336             \fi
3337         \fi
3338     \endgroup
3339 }%
3340 \ifx\reserved@c\@empty
3341     \let\reserved@a\bidix@gobbleopt
3342 \else
3343     \edef\reserved@a{\noexpand\bidix@saves@RequirePackage[#1]{%
3344         \expandafter\@gobble\reserved@c\@empty}}%
3345 \fi
3346 \expandafter\reserved@d
3347 \reserved@a
3348 }

```




```

3349
3350 \newcommand{\bidi@gobbleopt}[1] [] {}
3351 \AtEndDocument{%
3352   \let\bidi@saved@checkend=\@checkend
3353   \renewcommand*{\@checkend}[1] {%
3354     \def\reserved@a{#1}\def\reserved@b{document}%
3355     \bidi@saved@checkend{#1}%
3356     \ifx\reserved@a\reserved@b
3357       \let\bidi@saved@clearpage=\clearpage
3358       \renewcommand*{\clearpage}{\bidi@saved@clearpage
3359         \bidi@hook@bcma
3360         \bidi@restore@newpage
3361         \let\clearpage=\bidi@saved@clearpage}%
3362     \fi%
3363     \let\bidi@saved@dofilelist\@dofilelist
3364     \def\@dofilelist{%
3365       \bidi@hook@acma
3366       \let\@dofilelist\bidi@saved@dofilelist
3367       \bidi@saved@dofilelist
3368     }%
3369   }%
3370 }
3371
3372
3373 \newcommand*{\bidi@saved@checkend}{}
3374 \newcommand*{\bidi@saved@dofilelist}{}
3375 \newcommand*{\bidi@redefine@newpage}{}
3376 \let\bidi@saved@newpage\newpage
3377 \def\bidi@restore@newpage{%
3378   \renewcommand*{\newpage}{%
3379     \PackageWarningNoLine{%
3380       biditools%
3381     }{%
3382       \string\newpage\space at main aux file!\MessageBreak
3383       You have output material at the main aux file.\MessageBreak
3384       Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3385       are processed before the output from aux file%
3386     }%
3387     \let\newpage\bidi@saved@newpage
3388     \newpage
3389   }%
3390 }%
3391 \renewcommand*{\newpage}{}
3392 \PackageError{%
3393   biditools%
3394 }{%
3395   \string\newpage\space at \string\bidi@BeforeClosingMainAux
3396 }{%
3397   You should never use \string\newpage\space or
3398   \string\clear(double)page or other output material at the\MessageBreak

```



```

3399     argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3400     If you'll continue, the \string\newpage\space will be ignored to
3401     avoid corruption of \MessageBreak
3402     every prior use of \string\bidi@BeforeClosingMainAux.
3403 }%
3404 }%
3405 }
3406
3407 \newcommand*{\bidi@restore@newpage}{}
3408 \newcommand*{\bidi@hook@bcma}{}
3409 \newcommand*{\bidi@hook@acma}{}
3410 \newcommand*{\bidi@BeforeClosingMainAux}{%
3411   \ifx\bidi@hook@bcma\@empty
3412     \gdef\bidi@hook@bcma{%
3413       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{####1}%
3414       \let\protected@write\bidi@protected@immediate@write
3415       \bidi@redefine@newpage
3416     }%
3417   \fi
3418   \g@addto@macro\bidi@hook@bcma%
3419 }
3420
3421 \newcommand*{\bidi@AfterReadingMainAux}{%
3422   \ifx\bidi@hook@acma\@empty
3423     \gdef\bidi@hook@acma{%
3424       \renewcommand*{\bidi@AfterReadingMainAux}[1]{####1}%
3425       \let\protected@write\bidi@protected@immediate@write
3426     }%
3427   \fi
3428   \g@addto@macro\bidi@hook@acma%
3429 }
3430
3431 \long\def\bidi@protected@immediate@write#1#2#3{%
3432   \begingroup
3433     #2%
3434     \let\protect\@unexpandable@protect
3435     \edef\reserved@a{\immediate\write#1{#3}}%
3436     \reserved@a
3437   \endgroup
3438   \if@nbreak\ifvmode\nobreak\fi\fi
3439 }
3440
3441 \def\bidi@patch@counter{0}%
3442 \if@bidi@csundef{numexpr}{%
3443   \def\bidi@patch@stepcounter{%
3444     \begingroup
3445       \count@\bidi@patch@counter\relax
3446       \advance\count@\@ne\relax
3447     \edef\x{\endgroup
3448       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%

```



```

3449 }%
3450 \x
3451 }%
3452 }{%
3453 \def\bidipatch@stepcounter{%
3454 \edef\bidipatch@counter{%
3455 \the\numexpr\bidipatch@counter+\@ne\relax
3456 }%
3457 }%
3458 }
3459 \def\bidipatch@list{}
3460 \def\bidipatch@Add{%
3461 \bidipatch@appto\bidipatch@list
3462 }
3463 \def\bidipatch@AfterPackage#1{%
3464 \@ifpackageloaded{#1}{%
3465 \@firstofone
3466 }{%
3467 \bidipatch@AfterPackage{#1}%
3468 }%
3469 }
3470 \def\bidipatch@AfterPackage#1{%
3471 \edef\bidipatch@temp{#1}%
3472 \bidipatch@stepcounter
3473 \expandafter\bidipatch@@AfterPackage
3474 \csname \bidipatch@\bidipatch@counter\expandafter\endcsname{%
3475 \bidipatch@temp
3476 }%
3477 }
3478 \def\bidipatch@@AfterPackage#1#2#3{%
3479 \begingroup
3480 \toks@{#3}%
3481 \xdef\bidipatch@gtemp{%
3482 \noexpand\@ifpackageloaded{#2}{%
3483 \noexpand\let\noexpand#1\noexpand\relax
3484 \the\toks@
3485 }{}%
3486 }%
3487 \endgroup
3488 \let#1\bidipatch@gtemp
3489 \bidipatch@Add#1%
3490 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3491 }
3492
3493 \def\bidipatch@try#1#2#3{%
3494 \if@bidicsundef{#1}{%
3495 \csname #1\endcsname{#2}{#3}%
3496 }%
3497 }
3498

```



```

3499 \AtBeginDocument{\bidi@patch@list}
3500
3501 \bidi@AtEndPreamble{\bidi@patch@list}%
3502
3503 \bidi@AfterEndPreamble{%
3504   \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
3505   \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
3506   \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
3507   \let\bidi@patch@OrgIfClassLater\@ifclasslater
3508   \bidi@patch@list
3509   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
3510   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
3511   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
3512   \let\@ifclasslater\bidi@patch@OrgIfClassLater
3513 }%

```

7.22 bidiutfefloat.sty

```

3514 \NeedsTeXFormat{LaTeX2e}
3515 \ProvidesPackage{bidiutfefloat}[2011/06/14 v0.1
3516 bidi implementation of tufte float]
3517 \RequirePackage{xifthen}
3518 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
3519 \newcommand{\bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
3520 \newcommand{\bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
3521 \newcommand{\bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1\@gobble}}
3522 \newboolean{\@bidiutfefloat@RTLgeometry}
3523 \setboolean{\@bidiutfefloat@RTLgeometry}{true}
3524 \DeclareOption{RTLgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{true}}
3525 \DeclareOption{LTRgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{false}}
3526 \newboolean{\@bidiutfefloat@a4paper}
3527 \DeclareOption{a4paper}{\setboolean{\@bidiutfefloat@a4paper}{true}}
3528 \newboolean{\@bidiutfefloat@b5paper}
3529 \DeclareOption{b5paper}{\setboolean{\@bidiutfefloat@b5paper}{true}}
3530 \newboolean{\@bidiutfefloat@symmetric}
3531 \newboolean{\@bidiutfefloat@twoside}
3532 \DeclareOption{twoside}{%
3533 \@twosidetrue \mparswitchtrue%
3534 \setboolean{\@bidiutfefloat@twoside}{true}%
3535 \setboolean{\@bidiutfefloat@symmetric}{true}%
3536 }
3537 \DeclareOption{oneside}{%
3538 \@twosidefalse \mparswitchfalse%
3539 \setboolean{\@bidiutfefloat@twoside}{false}%
3540 \setboolean{\@bidiutfefloat@symmetric}{false}%
3541 }
3542 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3543 \newboolean{\@bidiutfefloat@debug}
3544 \newcommand*{\@bidiutfefloat@caption@justification}{\@bidiutfefloat@justification@autodetect}
3545 \ProcessOptions

```



```

3546 %% Globally sets the length
3547 \newcommand*\gsetlength}[2]{%
3548   \setlength{#1}{#2}%
3549   \global#1=#1\relax%
3550 }
3551 %% Globally sets a boolean
3552 \newcommand*\gsetboolean}[2]{% based on code from ifthen pkg
3553   \lowercase{\def\@tempa{#2}}%
3554   \@ifundefined{\@tempa}{%
3555     {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
3556     {\@ifundefined{#1\@tempa}{%
3557       {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3558       {\global\csname#1\@tempa\endcsname}%
3559     }}%
3560 }
3561 %% Set the font sizes and baselines to match bidentfloat's books
3562 \renewcommand\normalsize{%
3563   \@setfontsize\normalsize\@xpt{14}%
3564   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3565   \abovedisplayshortskip \z@ \@plus3\p@
3566   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3567   \belowdisplayskip \abovedisplayskip
3568   \let\@listi\@listI}
3569 \normalbaselineskip=14pt
3570 \normalsize
3571 \renewcommand\footnotesize{%
3572   \@setfontsize\footnotesize\@viipt{10}%
3573   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3574   \abovedisplayshortskip \z@ \@plus\p@
3575   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3576   \def\@listi{\leftmargin\leftmarginI
3577     \topsep 3\p@ \@plus\p@ \@minus\p@
3578     \parsep 2\p@ \@plus\p@ \@minus\p@
3579     \itemsep \parsep}%
3580   \belowdisplayskip \abovedisplayskip
3581 }
3582 %% Paragraph indentation and separation for marginal text
3583 \newcommand{\@bidentfloat@margin@par}{%
3584   \setlength{\RaggedRightParindent}{0.5pc}%
3585   \setlength{\JustifyingParindent}{0.5pc}%
3586   \setlength{\parindent}{0.5pc}%
3587   \setlength{\parskip}{0pt}%
3588 }
3589 \RequirePackage{ragged2e}
3590 \ifthenelse{\boolean{@bidentfloat@RTLgeometry}}{%
3591   \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
3592 }{\ifthenelse{\boolean{@bidentfloat@afourpaper}}{
3593   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar}{
3594     {}
3595   }}\ifthenelse{\boolean{@bidentfloat@bfivepaper}}{

```



```

3596 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,m
3597   {}}%
3598 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpars
3599 \ifthenelse{\boolean{@biditytfloat@a4paper}}
3600   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparse
3601   {}
3602 \ifthenelse{\boolean{@biditytfloat@b5paper}}
3603   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,ma
3604   {}
3605 \ifthenelse{\boolean{@biditytfloat@symmetric}}
3606   {}
3607   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3608 \setlength\marginparpush{10pt}
3609 %% Font for margin items
3610 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
3611 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
3612 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
3613 \newcommand{\@biditytfloat@justification}{\justifying}%
3614 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3615 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3616 \newboolean{@biditytfloat@changepage}
3617 \IfFileExists{changepage.sty}{%
3618   \biditytfloatDebugInfoNL{Found changepage.sty}
3619   \RequirePackage[strict]{changepage}
3620   \setboolean{@biditytfloat@changepage}{true}
3621 }{%
3622   \biditytfloatDebugInfoNL{Found chngpage.sty}
3623   \RequirePackage[strict]{chngpage}
3624   \setboolean{@biditytfloat@changepage}{false}
3625 }
3626 \newboolean{@biditytfloat@odd@page}
3627 \setboolean{@biditytfloat@odd@page}{true}
3628 \newcommand*{\@biditytfloat@checkoddpage}{%
3629   \checkoddpage%
3630   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
3631     \ifoddpage%
3632       \setboolean{@biditytfloat@odd@page}{true}%
3633     \else%
3634       \setboolean{@biditytfloat@odd@page}{false}%
3635     \fi%
3636   }{%
3637     \ifcpoddpage%
3638       \setboolean{@biditytfloat@odd@page}{true}%
3639     \else%
3640       \setboolean{@biditytfloat@odd@page}{false}%
3641     \fi%
3642   }%
3643 }
3644 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running heads
3645 \newlength{\@biditytfloat@fullwidth}

```



```

3646 \newlength{\@bidiutffloat@caption@fill}
3647 \newcommand{\bidiutffloatRecalculate}{%
3648   \setlength{\@bidiutffloat@overhang}{\marginparwidth}
3649   \addtolength{\@bidiutffloat@overhang}{\marginparsep}
3650
3651   \setlength{\@bidiutffloat@fullwidth}{\textwidth}
3652   \addtolength{\@bidiutffloat@fullwidth}{\marginparsep}
3653   \addtolength{\@bidiutffloat@fullwidth}{\marginparwidth}
3654
3655   \setlength{\@bidiutffloat@caption@fill}{\textwidth}
3656   \addtolength{\@bidiutffloat@caption@fill}{\marginparsep}
3657 }
3658 \AtBeginDocument{\bidiutffloatRecalculate}
3659 \RequirePackage{optparams}% provides multiple optional arguments for commands
3660 \RequirePackage{placeins}
3661 \newsavebox{\@bidiutffloat@margin@floatbox}
3662 \newenvironment{@bidiutffloat@margin@float}[2][-1.2ex]%
3663 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3664   \begin{lrbox}{\@bidiutffloat@margin@floatbox}%
3665   \begin{minipage}{\marginparwidth}%
3666     \@bidiutffloat@caption@font%
3667     \def\@captype{#2}%
3668     \hbox{}\vspace*{#1}%
3669     \@bidiutffloat@caption@justification%
3670     \@bidiutffloat@margin@par%
3671     \noindent%
3672   }
3673   {\end{minipage}%
3674   \end{lrbox}%
3675   \marginpar{\usebox{\@bidiutffloat@margin@floatbox}}}%
3676 }
3677 \newenvironment{marginfigure}[1][-1.2ex]%
3678 {\begin{@bidiutffloat@margin@float}[#1]{figure}}
3679 {\end{@bidiutffloat@margin@float}}
3680 \newenvironment{margintable}[1][-1.2ex]%
3681 {\begin{@bidiutffloat@margin@float}[#1]{table}}
3682 {\end{@bidiutffloat@margin@float}}
3683 \newcommand*{\@bidiutffloat@justification@autodetect}{\justifying}%
3684
3685 \newcommand{\@bidiutffloat@float@debug@info}{}% contains debug info generated as the float is
3686 \newcommand{\@bidiutffloat@float@debug}[1]{% adds debug info to the queue for output
3687   \ifthenelse{\equal{\@bidiutffloat@float@debug@info}{}}%
3688     {\def\@bidiutffloat@float@debug@info{#1}}%
3689     {\g@addto@macro\@bidiutffloat@float@debug@info{\MessageBreak#1}}%
3690 }
3691 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3692 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutffloat@float@debug}
3693 \newboolean{@bidiutffloat@float@recto}
3694 \newcommand{\forcerectofloat}{\gsetboolean{@bidiutffloat@float@recto}{true}\@bidiutffloat}
3695 \newcommand{\forceversofloat}{\gsetboolean{@bidiutffloat@float@recto}{false}\@bidiutffloat}

```



```

3696 \newsavebox{\@biditytfloat@figure@box}
3697 \newsavebox{\@biditytfloat@caption@box}
3698 \let\@biditytfloat@orig@float\@float
3699 \let\@biditytfloat@orig@endfloat\endfloat
3700 \newlength{\@biditytfloat@caption@vertical@offset}
3701 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
3702 \newcommand{\@biditytfloat@stored@shortcaption}{ }
3703 \newcommand{\@biditytfloat@stored@caption}{ }
3704 \newcommand{\@biditytfloat@stored@label}{ }
3705 \long\def\@biditytfloat@caption[#1][#2]#3{%
3706   \ifthenelse{\isempty{#1}}{%
3707     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
3708     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
3709     \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3710     \gdef\@biditytfloat@stored@caption{#3}%
3711   }
3712 \newcommand{\@biditytfloat@label}[1]{%
3713   \gdef\@biditytfloat@stored@label{#1}%
3714 }
3715 \newcommand{\@biditytfloat@fps}{ }
3716 \newboolean{\@biditytfloat@float@star}
3717 \newlength{\@biditytfloat@float@contents@width}
3718 \newenvironment{\@biditytfloat@float}[3][htbp]%
3719   {% begin \@biditytfloat@float
3720     % Should this float be full-width or just text-width?
3721     \ifthenelse{\equal{#3}{star}}{%
3722       {\gsetboolean{\@biditytfloat@float@star}{true}}%
3723       {\gsetboolean{\@biditytfloat@float@star}{false}}%
3724     % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3725     \@biditytfloat@checkoddpag%
3726     \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
3727       {\gsetboolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detected page
3728       {\gsetboolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detected page
3729     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3730     \renewcommand{\@biditytfloat@fps}{#1}%
3731     \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
3732     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
3733       {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bottom]
3734       {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]}}%
3735     % Capture the contents of the \caption and \label commands to use later
3736     \global\let\@biditytfloat@orig@caption\caption%
3737     \global\let\@biditytfloat@orig@label\label%
3738     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[ ] [Opt]}}%
3739     \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
3740     % Handle subfigure package compatibility
3741     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
3742       % don't move the label while inside a \subfigure or \subtable command
3743       \global\let\label\@biditytfloat@orig@label%
3744     }% subfigure package is not loaded
3745     \@biditytfloat@orig@float{#2}[#1}%

```




```

3746 \ifthenelse{\boolean{@biditytffloat@float@star}}{%
3747 {\setlength{@biditytffloat@float@contents@width}{\biditytffloat@fullwidth}}%
3748 {\setlength{@biditytffloat@float@contents@width}{\textwidth}}%
3749 \begin{lrbox}{@biditytffloat@figure@box}%
3750 \begin{minipage}[floatalignment]{@biditytffloat@float@contents@width}\hbox{%
3751 }{% end @biditytffloat@float
3752 \par\hbox{} \vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
3753 \end{minipage}%
3754 \end{lrbox}%
3755 % build the caption box
3756 \begin{lrbox}{@biditytffloat@caption@box}%
3757 \begin{minipage}[floatalignment]{\marginparwidth}\hbox{%
3758 \ifthenelse{\NOT\equal{@biditytffloat@stored@caption}}{@biditytffloat@orig@caption}
3759 \ifthenelse{\NOT\equal{@biditytffloat@stored@label}}{@biditytffloat@orig@label{\b
3760 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3761 \end{minipage}%
3762 \end{lrbox}%
3763 % now typeset the stored boxes
3764 \begin{fullwidth}%
3765 \begin{minipage}[floatalignment]{\linewidth}%
3766 \ifthenelse{\boolean{@biditytffloat@float@star}}%
3767 {@biditytffloat@float@fullwidth[\biditytffloat@caption@vertical@offset]{@biditytff
3768 {\biditytffloat@float@textwidth[\biditytffloat@caption@vertical@offset]{@biditytff
3769 \end{minipage}%
3770 \end{fullwidth}%
3771 \@biditytffloat@orig@endfloat% end original LaTeX float environment
3772 % output debug info
3773 \ifthenelse{\boolean{@biditytffloat@debug}}{%
3774 \typeout{^^J^^J----- biditytffloat package float information -----}%
3775 \ifthenelse{\equal{@biditytffloat@stored@label}}{%
3776 {\typeout{Warning: Float unlabeled!}}%
3777 {\typeout{Float label: [@biditytffloat@stored@label]}}%
3778 \typeout{Page number: [\thepage]}}%
3779 \def\MessageBreak{^^J}%
3780 \typeout{@biditytffloat@float@debug@info}%
3781 \ifthenelse{\boolean{@biditytffloat@symmetric}}%
3782 {\typeout{Symmetric: [true]}}%
3783 {\typeout{Symmetric: [false]}}%
3784 \typeout{-----^^J^^J}%
3785 }{}%
3786 % reset commands and temp boxes and captions
3787 \gdef\biditytffloat@float@debug@info{}%
3788 \let\caption\biditytffloat@orig@caption%
3789 \let\label\biditytffloat@orig@label%
3790 \begin{lrbox}{@biditytffloat@figure@box}\hbox{}\end{lrbox}%
3791 \begin{lrbox}{@biditytffloat@caption@box}\hbox{}\end{lrbox}%
3792 \gdef\biditytffloat@stored@shortcaption{}%
3793 \gdef\biditytffloat@stored@caption{}%
3794 \gdef\biditytffloat@stored@label{}%
3795 \gsetlength{\biditytffloat@caption@vertical@offset}{0pt}% reset caption offset

```



```

3796 }
3797 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
3798 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}%
3799 % asymmetric or page is odd, so caption is on the right
3800 \hbox{%
3801 \usebox{#2}%
3802 \hspace{\marginparsep}%
3803 \smash{\raisebox{#1}{\usebox{#3}}}%
3804 }
3805 \@biditytfloat@float@debug{Caption position: [right]]%
3806 }{% symmetric pages and page is even, so caption is on the left
3807 \hbox{%
3808 \smash{\raisebox{#1}{\usebox{#3}}}%
3809 \hspace{\marginparsep}%
3810 \usebox{#2}%
3811 }
3812 \@biditytfloat@float@debug{Caption position: [left]]%
3813 }%
3814 }
3815 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
3816 \ifthenelse{\equal{\floatalignment}{b}}%
3817 {% place caption above figure
3818 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}%
3819 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{Caption position: [above]]}
3820 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{Caption position: [below]]}
3821 }{% place caption below figure
3822 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}%
3823 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{Caption position: [below]]}
3824 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{Caption position: [above]]}
3825 }%
3826 }
3827 \renewenvironment{figure}[1][htbp]%
3828 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
3829 {\end{@biditytfloat@float}}
3830 \renewenvironment{table}[1][htbp]
3831 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
3832 {\end{@biditytfloat@float}}
3833 \renewenvironment{figure*}[1][htbp]%
3834 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
3835 {\end{@biditytfloat@float}}
3836 \renewenvironment{table*}[1][htbp]%
3837 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
3838 {\end{@biditytfloat@float}}
3839 \newenvironment{fullwidth}
3840 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
3841 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@float@overhang}%
3842 {\begin{adjustwidth}{-}\@biditytfloat@float@overhang}}%
3843 }%
3844 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
3845 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%

```



```

3846     {\end{adjustwidth}}}%
3847   }
3848 \long\def\@caption#1[#2]#3{%
3849   \par%
3850   \addcontentsline{\csname ext@#1\endcsname}{#1}%
3851     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
3852   \begingroup%
3853     \@parboxrestore%
3854     \if@minipage%
3855       \setminipage%
3856     \fi%
3857     \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
3858     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
3859     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
3860   \endgroup}
3861 %%
3862 % Turns newlines into spaces. Based on code from the `titlesec' package.
3863 \DeclareRobustCommand{\@biditufteheading@newlinetospace}{%
3864   \@ifstar{\@biditufteheading@newlinetospace@i}{\@biditufteheading@newlinetospace@i}%
3865 }
3866 \def\@biditufteheading@newlinetospace@i{%
3867   \ifdim\lastskip>\z@ \else \space \fi
3868   \ignorespaces%
3869 }
3870 \DeclareRobustCommand{\newlinetospace}[1]{%
3871   \let\@biditufteheading@orig@cr\\% save the original meaning of \\
3872   \def\\{\@biditufteheading@newlinetospace}% turn \\ and \\* into \space
3873   \let\newline\\% turn \newline into \space
3874   #1%
3875   \let\\ \@biditufteheading@orig@cr% revert to original meaning of \\
3876 }
3877 \RequirePackage{fancyhdr}
3878 \pagestyle{fancy}
3879 \AtBeginDocument{%
3880   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
3881     {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
3882     {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
3883 }
3884 % The running heads/feet don't have rules
3885 \renewcommand{\headrulewidth}{0pt}
3886 \renewcommand{\footrulewidth}{0pt}
3887 % The 'fancy' page style is the default style for all pages.
3888 \fancyhf{} % clear header and footer fields
3889   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
3890     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
3891       \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3892     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3893 % The `plain' page style is used on chapter opening pages.
3894 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
3895 % bottom of pages -- the folios are unexpressed.

```



```

3896 \fancypagestyle{plain}{
3897   \fancyhf{} % clear header and footer fields
3898   % Uncomment the following five lines of code if you want the opening page
3899   % of the chapter to express the folio in the lower outside corner.
3900   % \ifthenelse{\boolean{@biditytfloat@symmetric}}{
3901   %   {\fancyfoot[LE,RO]{\thepage}}
3902   %   {\fancyfoot[RE,RO]{\thepage}}
3903 }
3904 % The `empty' page style suppresses all headers and footers.
3905 % It's used on title pages and `intentionally blank' pages.
3906 \fancypagestyle{empty}{
3907   \fancyhf{} % clear header and footer fields
3908 }
3909 \def\morefloats{% provides a total of 52 floats
3910   \ifthenelse{\isundefined{\bx@S}}{%
3911     \biditytfloatDebugInfoNL{Adding 34 more float slots.}
3912     \newinsert\bx@S
3913     \newinsert\bx@T
3914     \newinsert\bx@U
3915     \newinsert\bx@V
3916     \newinsert\bx@W
3917     \newinsert\bx@X
3918     \newinsert\bx@Y
3919     \newinsert\bx@Z
3920     \newinsert\bx@a
3921     \newinsert\bx@b
3922     \newinsert\bx@c
3923     \newinsert\bx@d
3924     \newinsert\bx@e
3925     \newinsert\bx@f
3926     \newinsert\bx@g
3927     \newinsert\bx@h
3928     \newinsert\bx@i
3929     \newinsert\bx@j
3930     \newinsert\bx@k
3931     \newinsert\bx@l
3932     \newinsert\bx@m
3933     \newinsert\bx@n
3934     \newinsert\bx@o
3935     \newinsert\bx@p
3936     \newinsert\bx@q
3937     \newinsert\bx@r
3938     \newinsert\bx@s
3939     \newinsert\bx@t
3940     \newinsert\bx@u
3941     \newinsert\bx@v
3942     \newinsert\bx@w
3943     \newinsert\bx@x
3944     \newinsert\bx@y
3945     \newinsert\bx@z

```



```

3946 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3947 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3948 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3949 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3950 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3951 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3952 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3953 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3954 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3955 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3956 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3957 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
3958 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
3959 \ifthenelse{isundefined{\bx@AA}}{%
3960 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
3961 \newinsert\bx@AA
3962 \newinsert\bx@BB
3963 \newinsert\bx@CC
3964 \newinsert\bx@DD
3965 \newinsert\bx@EE
3966 \newinsert\bx@FF
3967 \newinsert\bx@GG
3968 \newinsert\bx@HH
3969 \newinsert\bx@II
3970 \newinsert\bx@JJ
3971 \newinsert\bx@KK
3972 \newinsert\bx@LL
3973 \newinsert\bx@MM
3974 \newinsert\bx@NN
3975 \newinsert\bx@OO
3976 \newinsert\bx@PP
3977 \newinsert\bx@QQ
3978 \newinsert\bx@RR
3979 \newinsert\bx@SS
3980 \newinsert\bx@TT
3981 \newinsert\bx@UU
3982 \newinsert\bx@VV
3983 \newinsert\bx@WW
3984 \newinsert\bx@XX
3985 \newinsert\bx@YY
3986 \newinsert\bx@ZZ
3987 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3988 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3989 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3990 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3991 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3992 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3993 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3994 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3995 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n

```



```

3996         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3997         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3998         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
3999         \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4000         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4001         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4002         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4003         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4004         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4005     }{%
4006     \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
4007     {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
4008     }%
4009 }%
4010 }
4011 \newboolean{@biditytfloat@packages@subfigure}
4012 \setboolean{@biditytfloat@packages@subfigure}{false}
4013 \AtBeginDocument{%
4014   \@ifpackageloaded{subfigure}
4015   {\gsetboolean{@biditytfloat@packages@subfigure}{true}}
4016   {\gsetboolean{@biditytfloat@packages@subfigure}{false}}%
4017 }
4018 \AtBeginDocument{%
4019   \@ifpackageloaded{float}{%
4020     % Save the redefined float environment (instead of the LaTeX float environment)
4021     \let\@biditytfloat@orig@float\float
4022     \let\@biditytfloat@orig@endfloat@endfloat
4023
4024     % Define Tuftian float styles (with the caption in the margin)
4025     \newcommand{\floatc@biditytfloatplain}[2]{%
4026       \begin{lrbox}{\@biditytfloat@caption@box}%
4027         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4028           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4029         }
4030       \end{minipage}%
4031       \end{lrbox}%
4032       \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4033     }
4034     \newcommand{\fs@biditytfloatplain}{%
4035       \def\@fs@cfont{\@biditytfloat@caption@font}%
4036       \let\@fs@capt\floatc@biditytfloatplain%
4037       \def\@fs@pre{}%
4038       \def\@fs@post{}%
4039       \def\@fs@mid{}%
4040       \let\@fs@iftopcapt\iftrue%
4041     }
4042     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4043     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4044     \newcommand\floatc@biditytfloatruled[2]{%
4045       {\@fs@cfont #1} #2\par%
4046     }

```



```

4046 \newcommand\fs@biditytfloatruled{%
4047   \def\fs@cfont{\@biditytfloat@caption@font}%
4048   \let\fs@capt\floatc@biditytfloatplain%
4049   \def\fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4050   \def\fs@post{\kern2pt\hrule width\textwidth\relax}%
4051   \def\fs@mid{}%
4052   \let\fs@iftopcapt\iftrue%
4053 }
4054 \newcommand\fs@biditytfloatboxed{%
4055   \def\fs@cfont{}%
4056   \let\fs@capt\floatc@biditytfloatplain%
4057   \def\fs@pre{%
4058     \setbox\@currbox\vbox{\hbadness10000
4059       \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4060         \hrule \hbox to\hsize{\vrule\kern3pt
4061           \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4062   }%
4063   \def\fs@mid{\kern2pt}%
4064   \def\fs@post{}%
4065   \let\fs@iftopcapt\iftrue%
4066 }
4067 }{%
4068 % Nothing to do
4069 }
4070 }
4071 \AtBeginDocument{%
4072   \@ifpackageloaded{algorithm}{%
4073     % Set the float style to the Tufte version
4074     \ifthenelse{\equal{\ALG@floatstyle}{plain}}{\OR\equal{\ALG@floatstyle}{ruled}}{\OR\equal{\ALG@floatstyle}{boxed}}{\ALG@floatstyle=tufte}
4075     \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to tufte}
4076     \floatstyle{biditytfloat\ALG@floatstyle}%
4077     \restylefloat{algorithm}%
4078   }{%
4079   }{%
4080 % Nothing to do
4081   }
4082 }
4083 \PassOptionsToPackage{caption=false}{subfig}

```

7.23 biditytfloatsidenote.sty

```

4084 \NeedsTeXFormat{LaTeX2e}
4085 \ProvidesPackage{biditytfloatsidenote}[2015/04/30 v0.3
4086 bidi implementation of tufte sidenote]
4087 \RequirePackage{xifthen}
4088 \RequirePackage{ragged2e}
4089 \RequirePackage{setspace}
4090 \RequirePackage{biditytools}
4091 \def\biditytfloatsidenotemarginpar{%
4092   \ifhmode

```



```

4093 \@bsphack
4094 \@floatpenalty -\@Mii
4095 \else
4096 \@floatpenalty-\@Miii
4097 \fi
4098 \ifinner
4099 \@parmoderr
4100 \@floatpenalty\z@
4101 \else
4102 \@next\@currbox\@freelist{}\}%
4103 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4104 {\@floatpenalty\z@
4105 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4106 \fi
4107 \@ifnextchar [\@biditytesidenotexmpar\@biditytesidenoteympar}
4108 \long\def\@biditytesidenotexmpar[#1]#2{%
4109 \@biditytesidenotesavemarbox\@marbox{#1}%
4110 \@biditytesidenotesavemarbox\@currbox{#2}%
4111 \@xympar}
4112 \long\def\@biditytesidenoteympar#1{%
4113 \@biditytesidenotesavemarbox\@marbox{#1}%
4114 \global\setbox\@currbox\copy\@marbox
4115 \@xympar}
4116 \long\def \@biditytesidenotesavemarbox #1#2{%
4117 \global\setbox #1%
4118 \color@vbox
4119 \vtop{%
4120 \hsize\marginparwidth
4121 \@parboxrestore
4122 \@biditytesidenotemarginparreset
4123 #2%
4124 \@minipagefalse
4125 \outer@nobreak
4126 }%
4127 \color@endbox
4128 }
4129 \def \@biditytesidenotemarginparreset {%
4130 \reset@font
4131 \normalsize
4132 \@minipagetrue
4133 \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4134 }
4135 \def\LTRbiditytesidenotemarginpar{%
4136 \ifhmode
4137 \@bsphack
4138 \@floatpenalty -\@Mii
4139 \else
4140 \@floatpenalty-\@Miii
4141 \fi
4142 \ifinner

```




```

4143 \@parmoderr
4144 \@floatpenalty\z@
4145 \else
4146 \@next\@currbox\@freelist{}\}%
4147 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4148 {\@floatpenalty\z@
4149 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4150 \fi
4151 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4152 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4153 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4154 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4155 \@xympar}
4156 \long\def\@LTRbidityftesidenoteympar#1{%
4157 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4158 \global\setbox\@currbox\copy\@marbox
4159 \@xympar}
4160 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4161 \global\setbox #1%
4162 \color@vbox
4163 \vtop{%
4164 \hsize\marginparwidth
4165 \@parboxrestore
4166 \@LTRbidityftesidenotemarginparreset
4167 #2%
4168 \@minipagefalse
4169 \outer@nobreak
4170 }%
4171 \color@endbox
4172 }
4173 \def \@LTRbidityftesidenotemarginparreset {%
4174 \reset@font
4175 \normalsize
4176 \@minipagetrue
4177 \everypar{\@minipagefalse\everypar{}\beginL}%
4178 }
4179 \def\RTLbidityftesidenotemarginpar{%
4180 \ifhmode
4181 \@bsphack
4182 \@floatpenalty -\@Mii
4183 \else
4184 \@floatpenalty-\@Miii
4185 \fi
4186 \ifinner
4187 \@parmoderr
4188 \@floatpenalty\z@
4189 \else
4190 \@next\@currbox\@freelist{}\}%
4191 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4192 {\@floatpenalty\z@

```



```

4193 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4194 \fi
4195 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4196 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4197 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4198 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4199 \@xympar}
4200 \long\def\@RTLbidityftesidenoteympar#1{%
4201 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4202 \global\setbox\@currbox\copy\@marbox
4203 \@xympar}
4204 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4205 \global\setbox #1%
4206 \color@vbox
4207 \vtop{%
4208 \hsize\marginparwidth
4209 \@parboxrestore
4210 \@RTLbidityftesidenotemarginparreset
4211 #2%
4212 \@minipagefalse
4213 \outer@nobreak
4214 }%
4215 \color@endbox
4216 }
4217 \def \@RTLbidityftesidenotemarginparreset {%
4218 \reset@font
4219 \normalsize
4220 \@minipagetrue
4221 \everypar{\@minipagefalse\everypar{}\beginR}%
4222 }
4223 \newcommand{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4224 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4225 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4226 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4227 \newcommand*{\@bidityfteLTRsidenote@citation@font}{\@bidityftesidenote@marginfont}
4228 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4229 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4230 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4231 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityfteLTRsidenote@citation@font}{#1}}
4232 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@au}
4233 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@au}
4234 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@au}
4235 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4236 \newcommand{\@bidityftesidenote@margin@par}{%
4237 \setlength{\RaggedRightParindent}{0.5pc}%
4238 \setlength{\JustifyingParindent}{0.5pc}%
4239 \setlength{\parindent}{0.5pc}%
4240 \setlength{\parskip}{0pt}%
4241 }
4242 %%

```



```

4243 % Globally sets the length
4244 \@ifundefined{gsetlength}{%
4245 \newcommand*{\gsetlength}[2]{%
4246 \setlength{#1}{#2}%
4247 \global#1=#1\relax%
4248 }%
4249 }{}
4250 %%
4251 % Globally sets a boolean
4252 \@ifundefined{gsetboolean}{%
4253 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
4254 \lowercase{\def\@tempa{#2}}%
4255 \@ifundefined{\@tempa\@tempa}%
4256 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
4257 {\@ifundefined{#1\@tempa}%
4258 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
4259 {\global\csname#1\@tempa\endcsname}%
4260 }%
4261 }%
4262 }{}
4263 %%
4264 % A function that removes leading and trailing spaces from the supplied macro.
4265 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4266 % Executing \@bidiuftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
4267 % being trimmed of leading and trailing white space.
4268 \catcode\Q=3
4269 \def\@bidiuftesidenote@trim@spaces#1{%
4270 % Use grouping to emulate a multi-token afterassignment queue
4271 \begingroup%
4272 % Put \toks 0 {' into the afterassignment queue
4273 \aftergroup\toks\aftergroup0\aftergroup{%
4274 % Apply \trimb to the replacement text of #1, adding a leading
4275 % \noexpand to prevent brace stripping and to serve another purpose
4276 % later.
4277 \expandafter\@bidiuftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4278 % Transfer the trimmed text back into #1.
4279 \edef#1{\the\toks0}%
4280 }
4281 % \trimb removes a trailing space if present, then calls \@bidiuftesidenote@trim@c to
4282 % clean up any leftover bizarre Qs, and trim a leading space. In
4283 % order for \trimc to work properly we need to put back a Q first.
4284 \def\@bidiuftesidenote@trim@b#1 Q{\@bidiuftesidenote@trim@c#1Q}
4285 % Execute \vfuzz assignment to remove leading space; the \noexpand
4286 % will now prevent unwanted expansion of a macro or other expandable
4287 % token at the beginning of the trimmed text. The \endgroup will feed
4288 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4289 \def\@bidiuftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4290 \catcode\Q=11
4291 %%
4292 % Citations should go in the margin as sidenotes

```



```

4293
4294 \RequirePackage{natbib}
4295 \RequirePackage{bibentry}      % allows bibitems to be typeset outside thebibliography environmen
4296 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4297 \renewcommand\BR@b@bibitem[2] [] {%
4298   \ifthenelse{\isempty{#1}}{%
4299     {\BR@bibitem{#2}}%
4300     {\BR@bibitem[#1]{#2}}%
4301   \BR@c@bibitem{#2}%
4302 }
4303 \bidi@AtEndPreamble{\nobibliography*}      % pre-loads the bibliography keys
4304 %%
4305 % Normal \cite behavior
4306 \newcounter{@bidityftesidenote@num@bibkeys}%
4307 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
4308   % Snag the last bibentry in the list for later comparison
4309   \let\@temp@last@bibkey\empty%
4310   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4311   \sidenote[] [#1]{%
4312     % Loop through all the bibentries, separating them with semicolons and spaces
4313     \normalsize\normalfont\@bidityftesidenote@citation@font%
4314     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4315     \@for\@temp@bibkeyx:=#2\do{%
4316       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4317         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\}{and\ }%
4318         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4319         \bibentry{\@temp@bibkeyx}}%
4320         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4321         \bibentry{\@temp@bibkeyx};\ }%
4322       \stepcounter{@bidityftesidenote@num@bibkeys}%
4323     }%
4324   }%
4325 }
4326 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2] [Opt]{%
4327   % Snag the last bibentry in the list for later comparison
4328   \let\@temp@last@bibkey\empty%
4329   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4330   \LTRsidenote[] [#1]{%
4331     % Loop through all the bibentries, separating them with semicolons and spaces
4332     \normalsize\normalfont\@bidityfteLTRsidenote@citation@font%
4333     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4334     \@for\@temp@bibkeyx:=#2\do{%
4335       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4336         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\}{and\ }%
4337         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4338         \bibentry{\@temp@bibkeyx}}%
4339         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4340         \bibentry{\@temp@bibkeyx};\ }%
4341       \stepcounter{@bidityftesidenote@num@bibkeys}%
4342     }%

```



```

4343 }%
4344 }
4345 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
4346 % Snag the last bibentry in the list for later comparison
4347 \let\@temp@last@bibkey\empty%
4348 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4349 \RTLsidenote[] [#1]{%
4350 % Loop through all the bibentries, separating them with semicolons and spaces
4351 \normalsize\normalfont\@bidityftesidenote@citation@font%
4352 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4353 \@for\@temp@bibkeyx:=#2\do{%
4354 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4355 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4356 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4357 \bibentry{\@temp@bibkeyx}}%
4358 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4359 \bibentry{\@temp@bibkeyx};\ }%
4360 \stepcounter{\@bidityftesidenote@num@bibkeys}%
4361 }%
4362 }%
4363 }
4364 %%
4365 % Macros for holding the list of cite keys until after the \sidenote
4366 \gdef\@bidityftesidenote@citations{}% list of cite keys
4367 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4368 \ifx\@bidityftesidenote@citations\empty\else
4369 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4370 \fi
4371 \g@addto@macro\@bidityftesidenote@citations{#1}
4372 }
4373 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4374 % Snag the last bibentry in the list for later comparison
4375 \let\@temp@last@bibkey\empty%
4376 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4377 \marginpar{%
4378 \hbox{\vspace*{#1}%
4379 \@bidityftesidenote@citation@font%
4380 \@bidityftesidenote@citation@justification%
4381 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4382 \vspace*{-1\baselineskip}}%
4383 % Loop through all the bibentries, separating them with semicolons and spaces
4384 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4385 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4386 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4387 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4388 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4389 \bibentry{\@temp@bibkeyx}}%
4390 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4391 \bibentry{\@temp@bibkeyx};\ }%
4392 \stepcounter{\@bidityftesidenote@num@bibkeys}%

```



```

4393 }%
4394 }%
4395 }
4396 %%
4397 % \cite behavior when executed within a sidenote
4398 \newcommand{\@bidiuftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4399 \newcommand{\@bidiuftesidenote@infootnote@cite}[1]{%
4400   \@bidiuftesidenote@add@citation{#1}
4401 }
4402 %%
4403 % Set the default \cite style. This is set and reset by the \sidenote command.
4404 \let\cite\@bidiuftesidenote@normal@cite
4405 \let\LTRcite\@bidiufteLTRsidenote@normal@cite
4406 \let\RTLcite\@bidiufteRTLSidenote@normal@cite
4407 %%
4408 % Transform existing \footnotes into \sidenotes
4409 % Sidenote: ``Where God meant footnotes to go.' '---bidiuftesidenote
4410 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4411 \providecommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@}
4412 \renewcommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@}
4413 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4414 % sidenote's text block.
4415 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark#1{\@textsuperscript{\@bidiuftesidenote@}
4416 % Set the in-text footnote mark in the same typeface as the body text itself.
4417 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize
4418 \providecommand*\@multiplefootnotemarker}{3sp}
4419 \providecommand*\multfootsep}{,}
4420 \bidi@patch@AfterPackage{bidi}{%
4421 \renewcommand{\@footnotemark}{%
4422   \leavevmode%
4423   \ifhmode%
4424     \edef\@x@sf{\the\spacefactor}%
4425     \@bidiuftesidenote@check@multiple@sidenotes%
4426     \nobreak%
4427     \fi%
4428     \@makefnmark%
4429     \ifhmode\spacefactor\@x@sf\fi%
4430     \relax%
4431 }%
4432 }
4433 \newcommand{\@bidiuftesidenote@check@multiple@sidenotes}{%
4434   \ifdim\lastkern=\multiplefootnotemarker\relax%
4435     \edef\@x@sf{\the\spacefactor}%
4436     \unkern%
4437     \textsuperscript{\multfootsep}%
4438     \spacefactor\@x@sf\relax%
4439   \fi
4440 }
4441 \bidi@patch@AfterPackage{bidi}{%
4442 \renewcommand\@footnotetext[2][0pt]{%

```



```

4443 \bidityftesidenotemarginpar{%
4444   \hbox{}\vspace*{#1}%
4445   \def\baselinestretch {\setspace@singlespace}%
4446   \reset@font\footnotesize%
4447   \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4448   \vspace*{-1\baselineskip}\noindent%
4449   \protected@edef\@currentlabel{%
4450     \csname p@footnote\endcsname\@thefnmark%
4451   }%
4452   \color@begingroup%
4453     \makefnfntext{%
4454       \ignorespaces#2%
4455     }%
4456   \color@endgroup%
4457 }%
4458 }%
4459 \renewcommand\@LTRfootnotetext[2][0pt]{%
4460   \LTRbidityftesidenotemarginpar{%
4461     \hbox{}\vspace*{#1}%
4462     \def\baselinestretch {\setspace@singlespace}%
4463     \reset@font\footnotesize%
4464     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4465     \vspace*{-1\baselineskip}\noindent%
4466     \protected@edef\@currentlabel{%
4467       \csname p@footnote\endcsname\@thefnmark%
4468     }%
4469     \color@begingroup%
4470       \makefnfntext{%
4471         \ignorespaces#2%
4472       }%
4473     \color@endgroup%
4474   }%
4475 }%
4476 \renewcommand\@RTLfootnotetext[2][0pt]{%
4477   \RTLbidityftesidenotemarginpar{%
4478     \hbox{}\vspace*{#1}%
4479     \def\baselinestretch {\setspace@singlespace}%
4480     \reset@font\footnotesize%
4481     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4482     \vspace*{-1\baselineskip}\noindent%
4483     \protected@edef\@currentlabel{%
4484       \csname p@footnote\endcsname\@thefnmark%
4485     }%
4486     \color@begingroup%
4487       \makefnfntext{%
4488         \ignorespaces#2%
4489       }%
4490     \color@endgroup%
4491   }%
4492 }%

```



```

4493 }
4494 %
4495 % Define \sidenote command. Can handle \cite.
4496 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
4497 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
4498 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4499 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
4500 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4501 \gdef\@bidityftesidenote@citations{}% clear out any old citations
4502 \ifthenelse{\NOT\isempty{#2}}{%
4503 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4504 }{%
4505 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4506 }%
4507 \ifthenelse{\isempty{#1}}{%
4508 % no specific footnote number provided
4509 \stepcounter\@mpfn%
4510 \protected@xdef\@thefnmark{\thempfn}%
4511 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4512 }{%
4513 % specific footnote number provided
4514 \begingroup%
4515 \csname c@\@mpfn\endcsname #1\relax%
4516 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4517 \endgroup%
4518 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4519 }%
4520 \@bidityftesidenote@print@citations% print any citations
4521 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4522 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4523 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4524 \unskip\ignorespaces% remove extra white space
4525 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4526 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4527 }
4528 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
4529 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4530 \gdef\@bidityftesidenote@citations{}% clear out any old citations
4531 \ifthenelse{\NOT\isempty{#2}}{%
4532 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4533 }{%
4534 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4535 }%
4536 \ifthenelse{\isempty{#1}}{%
4537 % no specific footnote number provided
4538 \stepcounter\@mpfn%
4539 \protected@xdef\@thefnmark{\thempfn}%
4540 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4541 }{%
4542 % specific footnote number provided

```




```

4543 \begingroup%
4544 \csname c@\mpfn\endcsname #1\relax%
4545 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4546 \endgroup%
4547 \@footnotemark\@LTRfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4548 }%
4549 \@bidituftesidenote@print@citations% print any citations
4550 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4551 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4552 \let\RTLcite\@biditufterTLSidenote@normal@cite% go back to using normal in-text \RTLcite co
4553 \unskip\ignorespaces% remove extra white space
4554 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4555 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4556 }
4557 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
4558 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4559 \gdef\@bidituftesidenote@citations{}% clear out any old citations
4560 \ifthenelse{\NOT\isempty{#2}}{%
4561 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4562 }{%
4563 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
4564 }%
4565 \ifthenelse{\isempty{#1}}{%
4566 % no specific footnote number provided
4567 \stepcounter\mpfn%
4568 \protected@xdef\@thefnmark{\thempfn}%
4569 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4570 }{%
4571 % specific footnote number provided
4572 \begingroup%
4573 \csname c@\mpfn\endcsname #1\relax%
4574 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4575 \endgroup%
4576 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4577 }%
4578 \@bidituftesidenote@print@citations% print any citations
4579 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4580 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4581 \let\RTLcite\@biditufterTLSidenote@normal@cite% go back to using normal in-text \RTLcite co
4582 \unskip\ignorespaces% remove extra white space
4583 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4584 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4585 }
4586 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
4587 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
4588 \newcommand{\RTLSidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
4589 \bidi@patch@AfterPackage{bidi}{%
4590 \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
4591 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
4592 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%

```



```

4593 }
4594 %%
4595 % Sidenote without the footnote mark
4596 \newcommand\marginnote[2][Opt]{%
4597   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
4598   \gdef\@bituftesidenote@citations{}% clear out any old citations
4599   \bituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bituftesidenote@marginnote@font\@bituft
4600   \@bituftesidenote@print@citations% print any citations
4601   \let\cite\@bituftesidenote@normal@cite% go back to using normal in-text \cite command
4602   \let\LTRcite\@bituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4603   \let\RTLcite\@bituftRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4604 }
4605 \newcommand\LTRmarginnote[2][Opt]{%
4606   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
4607   \gdef\@bituftesidenote@citations{}% clear out any old citations
4608   \LTRbituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bituftesidenote@marginnote@font\@bit
4609   \@bituftesidenote@print@citations% print any citations
4610   \let\cite\@bituftesidenote@normal@cite% go back to using normal in-text \cite command
4611   \let\LTRcite\@bituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4612   \let\RTLcite\@bituftRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4613 }
4614 \newcommand\RTLmarginnote[2][Opt]{%
4615   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
4616   \gdef\@bituftesidenote@citations{}% clear out any old citations
4617   \RTLbituftesidenotemarginpar{\hbox{} \vspace*{#1}\@bituftesidenote@marginnote@font\@bit
4618   \@bituftesidenote@print@citations% print any citations
4619   \let\cite\@bituftesidenote@normal@cite% go back to using normal in-text \cite command
4620   \let\LTRcite\@bituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4621   \let\RTLcite\@bituftRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4622 }

```

7.24 biduftetoc.sty

```

4623 \NeedsTeXFormat{LaTeX2e}
4624 \ProvidesPackage{biduftetoc}[2011/06/17 v0.1
4625 bidi implementation of tufte toc]
4626 \RequirePackage{titlesec,titletoc,xifthen,biditools}
4627 \newcommand{\@biduftetoc@pkgname}{biduftetoc}
4628 \newcommand{\biduftetocError}[2]{\PackageError{\@biduftetoc@pkgname}{#1}{#2}}
4629 %%
4630 % Turn off section numbering
4631 \setcounter{secnumdepth}{-1}
4632 \newboolean{@biduftetoc@toc}
4633 \setboolean{@biduftetoc@toc}{true}
4634 \DeclareOption{notoc}{\setboolean{@biduftetoc@toc}{false}}
4635 \DeclareOption{toc}{\setboolean{@biduftetoc@toc}{true}}
4636 \ProcessOptions
4637 %%
4638 % Make Tufte-style section headings and TOC formatting
4639 \bidi@patch@AfterPackage{bidi}{%

```



```

4640 \titleformat{\chapter}%
4641   [display]% shape
4642   {\relax\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\begin{fullwidth}}{}}% format applied to label+text
4643   {\itshape\huge\thechapter}% label
4644   {0pt}% horizontal separation between label and title body
4645   {\huge\rmfamily\itshape}% before the title body
4646   [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}}% after the title body
4647 \titleformat{\section}%
4648   [hang]% shape
4649   {\normalfont\Large\itshape}% format applied to label+text
4650   {\thesection}% label
4651   {1em}% horizontal separation between label and title body
4652   {}% before the title body
4653   []% after the title body
4654 \titleformat{\subsection}%
4655   [hang]% shape
4656   {\normalfont\large\itshape}% format applied to label+text
4657   {\thesubsection}% label
4658   {1em}% horizontal separation between label and title body
4659   {}% before the title body
4660   []% after the title body
4661 \titleformat{\paragraph}%
4662   [runin]% shape
4663   {\normalfont\itshape}% format applied to label+text
4664   {\theparagraph}% label
4665   {1em}% horizontal separation between label and title body
4666   {}% before the title body
4667   []% after the title body
4668 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4669 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4670 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4671 }
4672 % Subsubsection and following section headings shouldn't be used.
4673 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4674 \renewcommand\subsubsection{%
4675   \biditytfloatError{\noexpand\subsubsection is undefined by this class.%
4676     \MessageBreak See Robert Bringhurst's _The Elements of
4677       \MessageBreak Typographic Style_, section 4.2.2.
4678     \MessageBreak \noexpand\subsubsection was used}
4679   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4680     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4681     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytfloat.com/.}
4682 }
4683 \renewcommand\subparagraph{%
4684   \biditytfloatError{\noexpand\subparagraph is undefined by this class.%
4685     \MessageBreak See Robert Bringhurst's _The Elements of
4686       \MessageBreak Typographic Style_, section 4.2.2.
4687     \MessageBreak \noexpand\subparagraph was used}
4688   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4689     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many

```



```

4690 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
4691 }
4692 % Formatting for main TOC (printed in front matter)
4693 {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4694 \ifthenelse{\boolean{@biditytetoc@toc}}{%
4695 \bidity@patch@AfterPackage{bidity}{%
4696 \titlecontents{part}% FIXME
4697 [Oem] % distance from left margin
4698 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4699 {\contentslabel{2em}} % before w/label (label = ``II'')
4700 {} % before w/o label
4701 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4702 [\end{fullwidth}] % after
4703 \titlecontents{chapter}%
4704 [Oem] % distance from left margin
4705 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4706 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4707 {\hspace*{0em}} % before w/o label
4708 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4709 [\end{fullwidth}] % after
4710 \titlecontents{section}% FIXME
4711 [Oem] % distance from left margin
4712 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4713 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4714 {\hspace*{2em}} % before w/o label
4715 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4716 [\end{fullwidth}] % after
4717 \titlecontents{subsection}% FIXME
4718 [Oem] % distance from left margin
4719 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
4720 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4721 {\hspace*{4em}} % before w/o label
4722 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4723 [\end{fullwidth}] % after
4724 \titlecontents{paragraph}% FIXME
4725 [Oem] % distance from left margin
4726 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global formatting)
4727 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4728 {\hspace*{6em}} % before w/o label
4729 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4730 [\end{fullwidth}] % after
4731 }%
4732 }{}
4733 %%
4734 % Format lists of figures/tables
4735 \renewcommand\listoffigures{%
4736 \@ifundefined{chapter}%
4737 {\section*{\listfigurename}}%
4738 {\chapter*{\listfigurename}}%
4739 % \begin{fullwidth}%

```



```

4740 \starttoc{lof}%
4741 % \end{fullwidth}%
4742 }
4743 \renewcommand\listoftables{%
4744 \ifundefined{chapter}%
4745 {\section*{\listtablename}}%
4746 {\chapter*{\listtablename}}%
4747 % \begin{fullwidth}%
4748 \starttoc{lot}%
4749 % \end{fullwidth}%
4750 }
4751 \newcommand{\@bidityfttoc@lof@line}[2]{%
4752 % #1 is the figure/table number and its caption text
4753 % #2 is the page number on which the figure/table appears
4754 \leftskip 0.0em
4755 \rightskip 0em
4756 \parfillskip 0em plus 1fil
4757 \parindent 0.0em
4758 \@afterindenttrue
4759 \interlinepenalty\@M
4760 \leavevmode
4761 \@tempdima 2.0em
4762 \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4763 \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
4764 {#1}\nobreak\qqquad\nobreak#2%
4765 \par%
4766 }
4767 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
4768 \let\l@table\l@figure

```

7.25 bidityftgeneralstructure.sty

```

4769 \NeedsTeXFormat{LaTeX2e}
4770 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
4771 bidi implementation of tufte general structure]
4772 \renewcommand\small{%
4773 \setfontsize\small\@ixpt{12}%
4774 \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
4775 \abovedisplayshortskip \z@ \@plus2\p@
4776 \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
4777 \def\@listi{\leftmargin\leftmargini
4778 \topsep 4\p@ \@plus2\p@ \@minus2\p@
4779 \parsep 2\p@ \@plus\p@ \@minus\p@
4780 \itemsep \parsep}%
4781 \belowdisplayskip \abovedisplayskip
4782 }
4783 \renewcommand\scriptsize{\setfontsize\scriptsize\@viipt\@viipt}
4784 \renewcommand\tiny{\setfontsize\tiny\@vpt\@vpt}
4785 \renewcommand\large{\setfontsize\large\@xipt{15}}
4786 \renewcommand\Large{\setfontsize\Large\@xipt{16}}

```



```

4787 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
4788 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
4789 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
4790 \setlength\leftmargini {1pc}
4791 \setlength\leftmarginii {1pc}
4792 \setlength\leftmarginiii {1pc}
4793 \setlength\leftmarginiv {1pc}
4794 \setlength\leftmarginv {1pc}
4795 \setlength\leftmarginvi {1pc}
4796 \setlength\labelsep {1.5pc}
4797 \setlength\labelwidth {\leftmargini}
4798 \addtolength\labelwidth{-\labelsep}
4799 \setlength{\parindent}{1.0pc}%
4800 \setlength{\parskip}{0pt}%
4801 \RequirePackage{ragged2e}
4802 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
4803 % Paragraph indentation and separation for normal text
4804 \newcommand{\@bidiuftegeneralstructure@reset@par}{%
4805 \setlength{\RaggedRightParindent}{1.0pc}%
4806 \setlength{\JustifyingParindent}{1.0pc}%
4807 \setlength{\parindent}{1pc}%
4808 \setlength{\parskip}{0pt}%
4809 }
4810 \@bidiuftegeneralstructure@reset@par
4811 % Require paralist package for tighter lists
4812 \RequirePackage{paralist}
4813 % Add rightmargin to compactenum
4814 \def\@compactenum{%
4815 \expandafter\list\csname label\@enumctr\endcsname{%
4816 \usecounter{\@enumctr}%
4817 \rightmargin=2em% added this
4818 \parsep\plparsep
4819 \itemsep\plitemsep
4820 \topsep\pltopsep
4821 \partopsep\plpartopsep
4822 \def\makelabel##1{\hss\llap{##1}}}%
4823 %%
4824 % An environment for paragraph-style section
4825 \providecommand\newthought[1]{%
4826 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
4827 \noindent\textbf{#1}%
4828 }
4829 %%
4830 % Redefine the display environments (quote, quotation, etc.)
4831 \renewenvironment{verse}
4832 {\let\\\@centercr
4833 \list{}{\itemsep \z@
4834 \itemindent -1pc%
4835 \listparindent\itemindent
4836 \rightmargin \leftmargin

```



```

4837             \advance\leftmargin 1pc}%
4838             \small%
4839             \item\relax}
4840         {\endlist}
4841 \renewenvironment{quotation}
4842     {\list{}{\listparindent 1pc%
4843             \itemindent \listparindent
4844             \rightmargin \leftmargin
4845             \parsep \z@ \@plus\p@}%
4846             \small%
4847             \item\relax\noindent\ignorespaces}
4848     {\endlist}
4849 \renewenvironment{quote}
4850     {\list{}{\rightmargin\leftmargin}%
4851             \small%
4852             \item\relax}
4853     {\endlist}
4854 % Italicize description run-in headings (instead of the default bold)
4855 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
4856 %%
4857 % Redefine \bibsection to not mark the running heads.
4858 % (Code modified from natbib.sty.)
4859 \@ifundefined{chapter}%
4860     {\renewcommand\bibsection{\section*{\refname}}}
4861     {\@ifundefined{NAT@sectionbib}%
4862         {\renewcommand\bibsection{\chapter{\bibname}}}
4863         {\renewcommand\bibsection{\section*{\bibname}}}}
4864 \RequirePackage{multicol}
4865 \renewenvironment{theindex}{%
4866     \@ifundefined{chapter}%
4867         {\section*{\indexname}}%
4868         {\chapter{\indexname}}%
4869     \begin{fullwidth}%
4870     \small%
4871     \parskip0pt%
4872     \parindent0pt%
4873     \let\item\@idxitem%
4874     \begin{multicols}{3}%
4875 }{%
4876     \end{multicols}%
4877     \end{fullwidth}%
4878 }
4879 \AtBeginDocument{%
4880 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
4881 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
4882 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
4883 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
4884 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```



7.26 bidituftehyperref.sty

```
4885 \NeedsTeXFormat{LaTeX2e}
4886 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
4887 bidi implementation of tufte hyperref]
4888 %%
4889 % Color
4890 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
4891 \newboolean{@bidituftehyperref@loadhyper}
4892 \setboolean{@bidituftehyperref@loadhyper}{true}
4893 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
4894 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
4895 \ProcessOptions
4896 %% Loads the hyperref package and sets some default options.
4897 \newcommand{\bidituftehyperrefLoadHyperref}{%
4898 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
4899 \hypersetup{%
4900     bookmarksdepth = section,
4901     citecolor = DarkGreen,
4902     linkcolor = DarkBlue,
4903     % pagecolor = DarkBlue,
4904     urlcolor = DarkGreen,
4905 }%
4906 }
4907 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
4908 \bidituftehyperrefLoadHyperref%
4909 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
4910 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
4911 }
```

7.27 bidituftetitle.sty

```
4912 \NeedsTeXFormat{LaTeX2e}
4913 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
4914 bidi implementation of tufte title]
4915 \RequirePackage{biditools}
4916 %%
4917 % `titlepage' option -- creates a full title page with \maketitle
4918 \newboolean{@bidituftetitle@titlepage}
4919 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
4920 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
4921 % Default `book' and `handout' options
4922 \ifclassloaded{book}{%
4923 \ExecuteOptions{titlepage}}{%
4924 \ifclassloaded{article}{%
4925 \ExecuteOptions{notitlepage}}%
4926 {}%
4927 \ProcessOptions
4928 %%
4929 % Modified \title, \author, and \date commands. These store the
4930 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
```




```

4931 \newcommand{\plaintitle}{}%    plain-text-only title
4932 \newcommand{\plainauthor}{}%   plain-text-only author
4933 \newcommand{\plainpublisher}{}% plain-text-only publisher
4934 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
4935 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
4936 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
4937 \newcommand{\@publisher}{}% full publisher with \thanks{}
4938 \newcommand{\thedata}{\today}
4939 \bidi@patch@AfterPackage{bidi}{%
4940 \renewcommand{\thanks}[1]{\footnote{#1}}
4941 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
4942 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
4943 }
4944 \renewcommand{\title}[2][]{%
4945 \gdef\@title{#2}%
4946 \begingroup%
4947 % TODO store contents of \thanks command
4948 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4949 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4950 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4951 \protected@xdef\thanklesstitle{#2}%
4952 \endgroup%
4953 \ifthenelse{\isempty{#1}}%
4954 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
4955 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
4956 \@ifundefined{hypersetup}%
4957 {}% hyperref is not loaded; do nothing
4958 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
4959 }
4960 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
4961 \renewcommand{\author}[2][]{%
4962 \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
4963 \begingroup%
4964 % TODO store contents of \thanks command
4965 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4966 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4967 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4968 \protected@xdef\thanklessauthor{#2}%
4969 \endgroup%
4970 \ifthenelse{\isempty{#1}}%
4971 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
4972 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
4973 \@ifundefined{hypersetup}%
4974 {}% hyperref is not loaded; do nothing
4975 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
4976 }
4977 \renewcommand{\date}[1]{%
4978 \gdef\@date{#1}%
4979 \begingroup%
4980 % TODO store contents of \thanks command

```



```

4981 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4982 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4983 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4984 \protected@xdef\thedata{#1}%
4985 \endgroup%
4986 }
4987 %%
4988 % Provides a \publisher command to set the publisher
4989 \newcommand{\publisher}[2][]{%
4990 \gdef\@publisher{#2}%
4991 \begingroup%
4992 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4993 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4994 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4995 \protected@xdef\thanklesspublisher{#2}%
4996 \endgroup%
4997 \ifthenelse{\isempty{#1}}{
4998 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
4999 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5000 }
5001 %%
5002 % Produces a full title page
5003 \newcommand{\maketitlepage}[0]{%
5004 \cleardoublepage%
5005 {%
5006 \bfseries%
5007 \begin{fullwidth}%
5008 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5009 \vspace{11.5pc}%
5010 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5011 \vfill%
5012 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5013 \end{fullwidth}%
5014 }
5015 \thispagestyle{empty}%
5016 \clearpage%
5017 }
5018 %%
5019 % Title block
5020 \bidi@AfterEndPreamble{%
5021 \renewcommand{\maketitle}{%
5022 \newpage%
5023 \global\@topnum\z@% prevent floats from being placed at the top of the page
5024 \begingroup%
5025 \setlength{\parindent}{0pt}%
5026 \setlength{\parskip}{4pt}%
5027 \let\@title\@empty%
5028 \let\@author\@empty%
5029 \let\@date\@empty%
5030 \gdef\@title{\LARGE\itshape\@title\par}%

```



```

5031 \gdef\@author{\Large\itshape\@author\par}%
5032 \gdef\@date{\Large\itshape\@date\par}%
5033 \@@title%
5034 \@@author%
5035 \@@date%
5036 \endgroup%
5037 \thispagestyle{plain}% suppress the running head
5038 }%
5039 }
5040 %%
5041 % Title page (if the 'titlepage' option was passed to the bidentitetitle-handout
5042 % class.)
5043 \bidi@AfterEndPreamble{%
5044 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5045 {\renewcommand{\maketitle}{\maketitlepage}}
5046 {}
5047 }
5048 %%
5049 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5050 % without headers and footers
5051 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5052 \hbox{}
5053 %\vspace*{\fill}
5054 %\begin{center}
5055 % This page intentionally contains only this sentence.
5056 %\end{center}
5057 %\vspace{\fill}
5058 \thispagestyle{empty}
5059 \newpage
5060 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

7.28 bidentite-handout.cls

```

5061 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5062 \ProvidesClass{bidentite-handout}[2011/06/18 v0.1 bidentite-handout class]
5063 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5064 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitefloat}}
5065 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitetoc}}
5066 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitehyperref}}
5067 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitetitle}}
5068 \ProcessOptions\relax
5069 \LoadClass{article}
5070 \RequirePackage{bidentitefloat}
5071 \RequirePackage{bidentitesidenote}
5072 \RequirePackage{bidentitetoc}
5073 \RequirePackage{bidentitegeneralstructure}
5074 \RequirePackage{bidentitehyperref}
5075 \RequirePackage{bidentitetitle}
5076 \renewenvironment{abstract}
5077 {\begin{quotation}}

```



```

5078 {\end{quotation}}
5079 \AtBeginDocument{%
5080 \IfFileExists{biditufte-handout.cfg}
5081 {\input{biditufte-handout.cfg}
5082 \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5083 {}}%
5084 }

```

7.29 biditufte-book.cls

```

5085 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5086 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5087 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5088 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5089 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5090 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5091 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5092 \ProcessOptions\relax
5093 \LoadClass{book}
5094 \RequirePackage{bidituftefloat}
5095 \RequirePackage{bidituftesidenote}
5096 \RequirePackage{bidituftetoc}
5097 \RequirePackage{bidituftegeneralstructure}
5098 \RequirePackage{bidituftehyperref}
5099 \RequirePackage{bidituftetitle}
5100 %%
5101 % Set up any book-specific stuff now
5102 %%
5103 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5104 % to the opening page of Chapter 1. The running heads, when they appear,
5105 % contain only the (arabic) page number in the outside corner.
5106 %\newif\if@mainmatter \@mainmattertrue
5107 \renewcommand\frontmatter{%
5108 \cleardoublepage%
5109 \@mainmatterfalse%
5110 \pagenumbering{arabic}%
5111 %\pagestyle{plain}%
5112 \fancyhf{}}%
5113 \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
5114 {\fancyhead[LE,RO]{\thepage}}%
5115 {\fancyhead[RE,RO]{\thepage}}%
5116 }
5117 %%
5118 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5119 % numbering---it continues where it left off in the front matter.
5120 \renewcommand\mainmatter{%
5121 \cleardoublepage%
5122 \@mainmattertrue%
5123 \fancyhf{}}%
5124 \ifthenelse{\boolean{@bidituftefloat@twoside}}{%

```



```

5125     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5126     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5127     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5128     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5129 }
5130 %%
5131 % The back matter contains appendices, indices, glossaries, endnotes,
5132 % bibliographies, list of contributors, illustration credits, etc.
5133 \renewcommand\backmatter{%
5134   \if@openright%
5135     \cleardoublepage%
5136   \else%
5137     \clearpage%
5138   \fi%
5139   \@mainmatterfalse%
5140 }
5141 %%
5142 % Only show the chapter titles in the table of contents
5143 \setcounter{tocdepth}{0}
5144 \AtBeginDocument{%
5145   \IfFileExists{biditufte-book.cfg}
5146   {\input{biditufte-book.cfg}}
5147   \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}
5148   {}%
5149 }

```

7.30 bidipoem.sty

```

5150 \NeedsTeXFormat{LaTeX2e}
5151 \ProvidesPackage{bidipoem}%
5152 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5153
5154 % Usage:
5155 %
5156 % \Setversedim #1#2 % define the layout (within a group):
5157 % #1 = length of both half-verses
5158 % #2 = separation distance = length of a connection, if present
5159 % Variant:
5160 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5161 % #1 = length of first (=right) half-verse
5162 % #2 = length of second (=left) half-verse
5163 % #3 = separation distance = length of a connection, if present
5164 %
5165 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5166 % #1 = text of first (=right) half-verse
5167 % #2 = text of second (=left) half-verse
5168 % Variant:
5169 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5170 % #1 = text of first (=right) half-verse
5171 % #2 = text of connection

```



```

5172 % #3 = text of second (=left) half-verse
5173 %
5174 % Alternative (if preferred):
5175 %
5176 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5177
5178
5179 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5180
5181 % define the layout, verses will be centered
5182
5183 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5184 \newdimen \bidipoem@hvind \newdimen \bidipoem@hvlen
5185
5186 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5187 \bidipoem@hvind \textwidth
5188 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5189 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5190 \bidipoem@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5191
5192 \def \bidipoem@set@verseI [#1]{% optional parameter
5193 \bidipoem@hvlen #1\relax \bidipoem@set@@verse }
5194
5195 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5196 \advance \bidipoem@hvind -\bidipoem@hvlen \bidipoem@hvsep #1\relax
5197 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5198
5199 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5200 \ifdim Opt > \bidipoem@hvind %
5201 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5202 \else
5203 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5204 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5205 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
5206 \par }
5207
5208 % macro for two half verses
5209 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5210 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]}%
5211 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5212 \bidipoem@half@verses@next}
5213
5214 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5215 \traditionalconnverses {#1}-{#2}-{#3}}
5216
5217
5218 {\catcode\^^M=\active % these lines must end with %
5219 \gdef \traditionalpoem@obeylines {\catcode\^^M=\active \let^^M \traditionalpoem@par}%
5220 \global \let^^M \traditionalpoem@par} % this is in case ^^M appears in a \write
5221 {\catcode\^^M=\active % these lines must end with %

```



```

5222 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
5223 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5224 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5225 \def\poemmarginskip{1em plus 1fil minus 1em}
5226 \def\poemextrabaselineskip{0\baselineskip}
5227 \def\poemskip{\medskip}
5228 \newcommand{\bidipoem@openbox}{\leavevmode
5229 \hbox to.77778em{%
5230 \hfil\vrule
5231 \vbox to.675em{\hrule width.6em\vfil\hrule}}%
5232 \vrule\hfil}}
5233 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5234 \newdimen\versewidth
5235 \newtoks\bidipoem@p@ftn
5236 \def\poem@verse#1{%
5237 \ifdim\wd#1>\new@poem@width
5238 \xdef\new@poem@width{\the\wd#1}%
5239 \ifdim\new@poem@width>\poem@width
5240 \xdef\poem@width{\new@poem@width}%
5241 \global\let\poem@needrun\relax
5242 \fi
5243 \fi
5244 \hbox to\poem@width{\unhbox#1}%
5245 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5246 }
5247 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginskip\relax}
5248 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
5249 \def\poem@lineversesep{%
5250 \nobreak
5251 \hskip\z@ plus 1filll%
5252 \penalty600%
5253 \hskip\poemcolsepskip
5254 \hskip\z@ plus -2filll%
5255 \vadjust{}}%
5256 \nobreak
5257 \hskip\z@ plus 1filll%
5258 }
5259 \def\poem@lineparsebegin{%
5260 \halign\bgroup
5261 \global\setbox\verse@i=\hbox{%
5262 \let\@footnotetext\bidipoem@p@ftntext%
5263 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5264 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5265 \let\@xfootnotenext\bidipoem@p@xftntext%
5266 \let\@xfootnote\bidipoem@p@xfootnote%
5267 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5268 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5269 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5270 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5271 \ignorespaces##\unskip}&&

```



```

5272 \global\setbox\verse@ii=\hbox{%
5273 \let\@footnotetext\bidipoem@p@fnttext%
5274 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5275 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5276 \let\@xfootnotenext\bidipoem@p@xftntext%
5277 \let\@xfootnote\bidipoem@p@xfootnote%
5278 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5279 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5280 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5281 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5282 \ignorespaces##\unskip}
5283 \cr
5284 }
5285 \def\poem@lineparseend{%
5286 \crr\egroup
5287 \vskip-\baselineskip
5288 }
5289 \def\traditionalpoem@cr{%
5290 \cr\poem@line
5291 }
5292 \newbox\verse@i
5293 \newbox\verse@ii
5294 \newif\ifpoem@started
5295
5296 \def\poem@line{%
5297 \poem@lineparseend
5298 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5299 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5300 \ifpoem@started
5301 \ifdim\wd\verse@ii>\z@\else
5302 \nopagebreak[3]
5303 \fi
5304 \leavevmode
5305 \poem@linebegin
5306 \poem@verse\verse@i
5307 \ifdim\wd\verse@ii>\z@
5308 \poem@lineversesep
5309 \poem@verse\verse@ii
5310 \fi
5311 \poem@lineend
5312 % \nopagebreak
5313 \par
5314 \vskip\poemextrabaseskip
5315 \fi
5316 \poem@lineparsebegin
5317 }
5318 \def\@traditionalpoem{%
5319 \stepcounter{poem@no}
5320 \ifnum\max@poem@no<\number\c@poem@no%
5321 \xdef\poem@width{\z@}%

```




```

5322         \else
5323 \xdef\poem@width{\poem@prop{poem@width}}%
5324 \fi
5325 \xdef\new@poem@width{\z@}%
5326 \global\versewidth=\poem@width

5327 \poemskip\par
5328 \begingroup
5329 \tabskip=\z@
5330 \parskip=\z@
5331 \parindent=\z@
5332 \parfillskip=\z@
5333 \rightskip=\z@
5334 \leftskip=\z@
5335 \widowpenalty=10000% No break between verses of the same line.
5336 \clubpenalty=10000% Same as above. Not really needed.
5337 \def\newblock{\hfil\poemblocksep\hfil\null}%
5338 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5339 \def\{\{\global\poem@startedtrue\traditionalpoem@cr\}%
5340 \global\poem@startedfalse
5341 \csname poem@obeylines\endcsname
5342 \let\poem@obeylines\relax
5343 \poem@lineparsebegin
5344 }
5345 \def\@endtraditionalpoem{%
5346 \cr
5347 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5348 \noalign{%
5349 \skip0=\poemextrabaselineskip
5350 \vskip-\skip0
5351 \vskip-\baselineskip
5352 }%
5353 \fi\fi
5354 \poem@lineparseend
5355 \endgroup
5356 \par
5357 \vskip\baselineskip
5358 \poemskip
5359 \if@nparlist \else
5360 \ifdim\lastskip >\z@
5361 \@tempskipa\lastskip \vskip -\lastskip
5362 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5363 \vskip\@tempskipa
5364 \fi
5365 \@endparenv
5366 \fi
5367 \ifdim\new@poem@width<\poem@width
5368 \global\let\poem@needrun\relax
5369 \fi
5370 \poem@write@aux{poem@width@\romannumeral\c@poem@no}{\new@poem@width}%

```



```

5371 \ifx\AtEndDocument\undefined\poem@finish\fi
5372 }
5373
5374
5375 \long\def\bidipoem@p@ftntext#1{%
5376   \edef\@temp{x\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
5377   \global\bidipoem@p@ftn\expandafter{\@temp{x#1}}}%
5378 \long\def\bidipoem@p@LTRftntext#1{%
5379   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5380   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5381 \long\def\bidipoem@p@RTLftntext#1{%
5382   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5383   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5384
5385 \long\def\bidipoem@p@xftntext[#1]#2{%
5386   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5387
5388 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5389   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5390
5391 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5392   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5393
5394 \def\bidipoem@p@xfootnote[#1]{%
5395   \begingroup
5396     \csname c@\@mpfn\endcsname #1\relax
5397     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5398   \endgroup
5399   \@footnotemark\bidipoem@p@xftntext[#1]}
5400
5401 \def\bidipoem@p@xLTRfootnote[#1]{%
5402   \begingroup
5403     \csname c@\@mpfn\endcsname #1\relax
5404     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5405   \endgroup
5406   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5407
5408 \def\bidipoem@p@xRTLfootnote[#1]{%
5409   \begingroup
5410     \csname c@\@mpfn\endcsname #1\relax
5411     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5412   \endgroup
5413   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5414
5415
5416
5417 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5418 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
5419 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5420 \def\poem@finish{%

```



```

5421 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5422 \ifx\poem@needrun\relax
5423 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5424 \global\let\poem@needrun\undefined
5425 \fi
5426 }
5427 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5428 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5429 \ifx\max@poem@no\undefined
5430 \def\max@poem@no{0}%
5431 \fi
5432 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
5433 \newcommand{\poem@write@aux}[2]{%
5434 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5435 \@x
5436 }
5437 \def\@modernpoem{%
5438 \par
5439 \begingroup
5440 \parskip=\z@
5441 \parindent=\z@
5442 \def\[\{\@settab\@tabplus\ignorespaces}%
5443 \def\]\{\@tabminus\ignorespaces}%
5444 \def\newblock{\poemblocksep}%
5445 \let\newpoem@tabcr\@tabcr
5446 \def\modernpoem@par{% Redefine \par for possible \obeylines
5447 \ifpoem@started\else
5448 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5449 \@stopfield
5450 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5451 \@contfield
5452 \fi
5453 \fi
5454 \ifpoem@started\newpoem@tabcr\fi}%
5455 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5456 \global\poem@startedfalse
5457 \csname poem@obeylines\endcsname
5458 \let\poem@obeylines\relax
5459 \begin{tabbing}%
5460 }
5461 \def\@endmodernpoem{%
5462 \global\poem@startedfalse
5463 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5464 \@stopfield
5465 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5466 \@contfield
5467 \fi
5468 \ifpoem@started\else\let\@stopline\@stopfield\fi
5469 \end{tabbing}%
5470 \endgroup

```



```

5471 \par
5472   \if@nolist \else
5473     \ifdim\lastskip >\z@
5474       \@tempkipa\lastskip \vskip -\lastskip
5475       \advance\@tempkipa\parskip \advance\@tempkipa -\outerparskip
5476       \vskip\@tempkipa
5477     \fi
5478   \@endparenv
5479 \fi
5480 }
5481 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5482 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
5483 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5484 \gdef\@startfield{%
5485   \global\setbox\@curfield\hbox\bgroup%
5486   \let\@footnotetext\bidipoem@p@fnttext%
5487   \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5488   \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5489   \let\@xfootnotenext\bidipoem@p@xftntext%
5490   \let\@xfootnote\bidipoem@p@xfootnote%
5491   \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5492   \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5493   \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5494   \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5495   \color@begingroup}
5496 \gdef\@stopfield{%
5497   \color@endgroup\egroup\global\bidipoem@p@fnt\expandafter{\expandafter}\the\bidipoem@p@fnt}
5498 \gdef\@contfield{%
5499   \global\setbox\@curfield\hbox\bgroup%
5500   \let\@footnotetext\bidipoem@p@fnttext%
5501   \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5502   \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5503   \let\@xfootnotenext\bidipoem@p@xftntext%
5504   \let\@xfootnote\bidipoem@p@xfootnote%
5505   \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5506   \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5507   \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5508   \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5509   \color@begingroup\unhbox\@curfield}

```

7.31 boek3-xetex-bidi.def

```

5510 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX et
5511 \renewenvironment{theindex}{%
5512   \if@twocolumn
5513     \@restonecolfalse
5514   \else
5515     \@restonecoltrue
5516   \fi
5517   \columnseprule \z@

```



```

5518 \columnsep 35\p@
5519 \twocolumn[@makeschapterhead{\indexname}]{%
5520 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5521 \thispagestyle{plain}\parindent\z@
5522 \parskip\z@ \@plus .3\p@\relax
5523 \let\item\@idxitem
5524 }{%
5525 \if@restonecol\onecolumn\else\clearpage\fi}
5526 \renewcommand*\head@style{%
5527 \interlinepenalty \@M
5528 \hyphenpenalty=\@M \exhyphenpenalty=\@M
5529 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5530 \renewcommand*\@regtocline[3]{%
5531 \ifnum #1>\c@tocdepth
5532 \else
5533 \vskip\z@ \@plus .2\p@
5534 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5535 \if@RTL\rightskip\else\leftskip\fi\unitindent
5536 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5537 \parfillskip\z@
5538 \@tempdima\unitindent
5539 \parindent\z@
5540 \leavevmode
5541 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5542 \hskip 1em \nobreak{\slshape #3}\par
5543 }%
5544 \fi}
5545 \if@oldtoc
5546 \renewcommand*\l@part[2]{%
5547 \ifnum \c@tocdepth >-2\relax
5548 \addpenalty{-\@highpenalty}%
5549 \addvspace{2.25em \@plus\p@}%
5550 \begingroup
5551 \setlength\@tempdima{3em}%
5552 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5553 \parfillskip -\@pnumwidth
5554 {\leavevmode
5555 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5556 \nobreak
5557 \global\@nobreaktrue
5558 \everypar{\global\@nobreakfalse\everypar{}}%
5559 \endgroup
5560 \fi}
5561 \else
5562 \renewcommand*\l@part{%
5563 \ifnum \c@tocdepth >-2\relax
5564 \addpenalty{-\@highpenalty}%
5565 \addvspace{2.25em \@plus\p@}%
5566 \@regtocline{0}%
5567 \fi}

```



```

5568 \fi
5569 \if@oldtoc
5570 \renewcommand*\l@chapter[2]{%
5571     \addpenalty{-\@highpenalty}%
5572     \vskip 1.0em \@plus\p@
5573     \setlength\@tempdima{1.5em}%
5574     \begingroup
5575     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5576     \parfillskip -\@pnumwidth
5577     \leavevmode \bfseries
5578     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5579     \hskip -\if@RTL\rightskip\else\leftskip\fi
5580     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5581     \penalty\@highpenalty
5582 \endgroup}
5583 \else
5584 \renewcommand*\l@chapter{\@regtocline{0}}
5585 \fi
5586 \renewenvironment{abstract}{%
5587     \titlepage
5588     \null\vfil
5589     \section*{\SectFont \abstractname}
5590     \noindent\ignorespaces}
5591 {\par\vfil\null\endtitlepage}
5592 \renewenvironment{thebibliography}[1]
5593 {\chapter*{\bibname}%
5594     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5595     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5596     \list{\@biblabel{\@arabic\c@enumiv}}%
5597         {\settowidth\labelwidth{\@biblabel{#1}}%
5598         \leftmargin\labelwidth
5599         \advance\leftmargin\labelsep
5600         \@openbib@code
5601         \usecounter{enumiv}%
5602         \let\p@enumiv\@empty
5603         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5604     \sloppy\clubpenalty4000\widowpenalty4000%
5605     \sfcode`\.\@m}
5606 {\def\@noitemerr
5607     {\@latex@warning{Empty `thebibliography' environment}}%
5608     \endlist}
5609 \renewcommand*\left@footnoterule{%
5610     \kern-3\p@
5611     \kern.5\baselineskip
5612     \hrule\@width\unitindent
5613     \kern.4\baselineskip
5614 }
5615 \renewcommand*\right@footnoterule{%
5616     \kern-3\p@
5617     \kern.5\baselineskip

```



```

5618 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5619 \kern.4\baselineskip}
5620 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5621 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5622 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5623 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5624 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5625 \renewcommand*\theequation{%
5626 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5627 \renewcommand*\thefigure{%
5628 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5629 \renewcommand*\thetable{%
5630 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5631 \renewcommand*\maketitle{%
5632 \begin{titlepage}%
5633 \let\footnotesize\small
5634 \let\right@footnoterule\relax
5635 \let\left@footnoterule\relax
5636 \let\textwidth@footnoterule\relax
5637 \let \footnote \thanks
5638 \long\def\@makefnmark##1{\parindent\z@
5639 \def\labelitemi{\textendash}\@revlabeltrue
5640 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5641 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5642 \if@compatibility\setcounter{page}{0}\fi
5643 \null\vfil
5644 \vskip 60\p@
5645 \begin{center}%
5646 \TitleFont
5647 {\LARGE \def\\{\penalty -\@M}
5648 \if@allcaps
5649 \expandafter\uc@nothanks\@title\thanks\relax
5650 \else
5651 \@title
5652 \fi\par}%
5653 \vskip 3em%
5654 {\large
5655 \lineskip .75em \parindent\z@
5656 \begin{tabular}[t]{c}%
5657 \if@allcaps
5658 \expandafter\uc@authornothanks\@author\and\relax
5659 \else
5660 \@author
5661 \fi
5662 \end{tabular}\par}%
5663 \vskip 1.5em%
5664 {\large
5665 \if@allcaps
5666 \uppercase\expandafter{\@date}%
5667 \else

```



```

5668         \@date
5669         \fi\par}%
5670     \end{center}\par
5671     \@thanks
5672     \vfil\null
5673 \end{titlepage}%
5674 \setcounter{footnote}{0}%
5675 \global\let\thanks\relax
5676 \global\let\maketitle\relax
5677 \global\let\@thanks\@empty
5678 \global\let\@author\@empty
5679 \global\let\@title\@empty
5680 \global\let\@date\@empty
5681 \global\let\title\relax
5682 \global\let\author\relax
5683 \global\let\date\relax
5684 \global\let\and\relax
5685 }

```

7.32 boek-xetex-bidi.def

```

5686 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5687 \renewenvironment{theindex}{%
5688     \if@twocolumn
5689         \@restonecolfalse
5690     \else
5691         \@restonecoltrue
5692     \fi
5693     \columnseprule \z@
5694     \columnsep 35\p@
5695     \twocolumn[\@makeschapterhead{\indexname}]{%
5696         \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5697     \thispagestyle{plain}\parindent\z@
5698     \parskip\z@ \@plus .3\p@\relax
5699     \let\item\@idxitem
5700 }{%
5701     \if@restonecol\onecolumn\else\clearpage\fi}
5702 \renewcommand*{\head@style}{%
5703     \interlinepenalty \@M
5704     \hyphenpenalty=\@M \exhyphenpenalty=\@M
5705     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5706 \renewcommand*{\regtocline}[3]{%
5707     \ifnum #1>\c@tocdepth
5708     \else
5709         \vskip\z@\@plus.2\p@
5710         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5711         \if@RTL\rightskip\else\leftskip\fi\unitindent
5712         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5713         \parfillskip\z@
5714         \@tempdima\unitindent

```




```

5715 \parindent\z@
5716 \leavevmode
5717 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5718 \hskip 1em \nobreak{\slshape #3}\par
5719 }%
5720 \fi}
5721 \if@oldtoc
5722 \renewcommand*\l@part[2]{%
5723 \ifnum \c@tocdepth >-2\relax
5724 \addpenalty{-\@highpenalty}%
5725 \addvspace{2.25em \@plus\p@}%
5726 \begingroup
5727 \setlength\@tempdima{3em}%
5728 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5729 \parfillskip -\@pnumwidth
5730 {\leavevmode
5731 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5732 \nobreak
5733 \global\@nobreaktrue
5734 \everypar{\global\@nobreakfalse\everypar{}}%
5735 \endgroup
5736 \fi}
5737 \else
5738 \renewcommand*\l@part{%
5739 \ifnum \c@tocdepth >-2\relax
5740 \addpenalty{-\@highpenalty}%
5741 \addvspace{2.25em \@plus \p@}%
5742 \@regtocline{0}%
5743 \fi}
5744 \fi
5745 \if@oldtoc
5746 \renewcommand*\l@chapter[2]{%
5747 \addpenalty{-\@highpenalty}%
5748 \vskip 1.0em \@plus\p@
5749 \setlength\@tempdima{1.5em}%
5750 \begingroup
5751 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5752 \parfillskip -\@pnumwidth
5753 \leavevmode \bfseries
5754 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5755 \hskip -\if@RTL\rightskip\else\leftskip\fi
5756 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5757 \penalty\@highpenalty
5758 \endgroup}
5759 \else
5760 \renewcommand*\l@chapter{\@regtocline{0}}
5761 \fi
5762 \renewcommand*\left@footnoterule{%
5763 \kern-3\p@
5764 \kern.5\baselineskip

```



```

5765 \hrule\@width\unitindent
5766 \kern.4\baselineskip
5767 }
5768 \renewcommand*\right@footnoterule{%
5769 \kern-3\p@
5770 \kern.5\baselineskip
5771 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5772 \kern.4\baselineskip}
5773 \renewenvironment{abstract}{%
5774 \titlepage
5775 \null\vfil
5776 \section*{\SectFont \abstractname}
5777 \noindent\ignorespaces}
5778 {\par\vfil\null\endtitlepage}
5779 \renewenvironment{thebibliography}[1]
5780 {\chapter*{\bibname}%
5781 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5782 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5783 \list{\@biblabel{\@arabic\c@enumiv}}%
5784 {\settowidth\labelwidth{\@biblabel{#1}}%
5785 \leftmargin\labelwidth
5786 \advance\leftmargin\labelsep
5787 \@openbib@code
5788 \usecounter{enumiv}%
5789 \let\p@enumiv\@empty
5790 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5791 \sloppy\clubpenalty4000\widowpenalty4000%
5792 \sfcode`..\@m}
5793 {\def\@noitemerr
5794 {\@latex@warning{Empty `thebibliography' environment}}%
5795 \endlist}
5796 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5797 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5798 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5799 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5800 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5801 \renewcommand*\theequation{%
5802 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5803 \renewcommand*\thefigure{%
5804 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
5805 \renewcommand*\thetable{%
5806 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
5807 \renewcommand*\maketitle{%
5808 \begin{titlepage}%
5809 \let\footnotesize\small
5810 \let\right@footnoterule\relax
5811 \let\left@footnoterule\relax
5812 \let\textwidth\footnoterule\relax
5813 \let \footnote \thanks
5814 \long\def\@makefnctext##1{\parindent\z@

```



```

5815         \def\labelitemi{\textendash}\@revlabeltrue
5816         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5817 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5818 \if@compatibility\setcounter{page}{0}\fi
5819 \null\vfil
5820 \vskip 60\p@
5821 \begin{center}%
5822   \TitleFont
5823   {\LARGE \def\\{\penalty -\@M}
5824     \if@allcaps
5825       \expandafter\uc@nothanks\@title\thanks\relax
5826     \else
5827       \@title
5828     \fi\par}%
5829 \vskip 3em%
5830 {\large
5831   \lineskip .75em \parindent\z@
5832   \begin{tabular}[t]{c}%
5833     \if@allcaps
5834       \expandafter\uc@authornothanks\@author\and\relax
5835     \else
5836       \@author
5837     \fi
5838   \end{tabular}\par}%
5839 \vskip 1.5em%
5840 {\large
5841   \if@allcaps
5842     \uppercase\expandafter{\@date}%
5843   \else
5844     \@date
5845   \fi\par}%
5846 \end{center}\par
5847 \@thanks
5848 \vfil\null
5849 \end{titlepage}%
5850 \setcounter{footnote}{0}%
5851 \global\let\thanks\relax
5852 \global\let\maketitle\relax
5853 \global\let\@thanks\@empty
5854 \global\let\@author\@empty
5855 \global\let\@title\@empty
5856 \global\let\@date\@empty
5857 \global\let\title\relax
5858 \global\let\author\relax
5859 \global\let\date\relax
5860 \global\let\and\relax
5861 }

```

7.33 `bookest-xetex-bidi.def`



```

5862 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
5863 \def\@makechapterhead#1{%
5864   \vspace*{20\p@}
5865   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5866     \ifnum \c@secnumdepth >\m@ne
5867       \if@mainmatter
5868         {\colorA\huge\scshape \@chapapp\space \thechapter}
5869         \par\nobreak
5870         \vskip 10\p@
5871       \fi
5872     \fi
5873     \interlinepenalty\@M
5874     {\colorB\hrule}
5875     \vskip 15\p@
5876     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
5877       {\colorA\Huge \bfseries #1}\par\nobreak
5878     \if@RTL\end{flushleft}\else\end{flushright}\fi
5879     \vskip 5\p@
5880     {\colorB\hrule}
5881     \vskip 30\p@
5882   }}
5883 \def\@makeschapterhead#1{%
5884   \vspace*{20\p@}
5885   {\parindent \z@ \raggedright \normalfont
5886     {\colorB\hrule}
5887     \vskip 15\p@
5888     \begin{center}
5889       {\colorA\Huge \bfseries #1}\par\nobreak
5890     \end{center}
5891     \vskip 5\p@
5892     {\colorB\hrule}
5893     \vskip 30\p@
5894   }}

```

7.34 book-xetex-bidi.def

```

5895 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for
5896 \renewenvironment{theindex}
5897   {\if@twocolumn
5898     \@restonecolfalse
5899   \else
5900     \@restonecoltrue
5901   \fi
5902   \columnseprule \z@
5903   \columnsep 35\p@
5904   \twocolumn[\@makeschapterhead{\indexname}]%
5905   \@mkboth{\MakeUppercase\indexname}%
5906     {\MakeUppercase\indexname}%
5907   \thispagestyle{plain}\parindent\z@
5908   \parskip\z@ \@plus .3\p@\relax

```



```

5909             \let\item\@idxitem}
5910             {\if@restonecol\onecolumn\else\clearpage\fi}
5911 \@ifclassloaded{bookest}{\{%
5912   \if@titlepage
5913   \renewcommand\maketitle{\begin{titlepage}%
5914     \let\footnotesize\small
5915     \let\right@footnoterule\relax
5916     \let\left@footnoterule\relax
5917     \let\textwidth\footnoterule\relax
5918     \let \footnote \thanks
5919     \let \LTRfootnote \LTRthanks
5920     \let \RTLfootnote \RTLthanks
5921     \null\vfil
5922     \vskip 60\p@
5923     \begin{center}%
5924       {\LARGE \@title \par}%
5925       \vskip 3em%
5926       {\large
5927         \lineskip .75em%
5928         \begin{tabular}[t]{c}%
5929           \@author
5930           \end{tabular}\par}%
5931       \vskip 1.5em%
5932       {\large \@date \par}%           % Set date in \large size.
5933     \end{center}\par
5934     \@thanks
5935     \vfil\null
5936   \end{titlepage}%
5937   \setcounter{footnote}{0}%
5938   \global\let\thanks\relax
5939   \global\let\LTRthanks\relax
5940   \global\let\RTLthanks\relax
5941   \global\let\maketitle\relax
5942   \global\let\@thanks\@empty
5943   \global\let\@author\@empty
5944   \global\let\@date\@empty
5945   \global\let\@title\@empty
5946   \global\let\title\relax
5947   \global\let\author\relax
5948   \global\let\date\relax
5949   \global\let\and\relax
5950 }
5951 \else
5952 \renewcommand\maketitle{\par
5953   \begin{group}
5954     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
5955     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
5956     \long\def\@makefntext##1{\parindent 1em\noindent
5957       \hb@xt@1.8em{\%
5958         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%

```



```

5959 \if@twocolumn
5960 \ifnum \col@number=\@ne
5961 \maketitle
5962 \else
5963 \twocolumn[\maketitle]%
5964 \fi
5965 \else
5966 \newpage
5967 \global\@topnum\z@ % Prevents figures from going at top of page.
5968 \maketitle
5969 \fi
5970 \thispagestyle{plain}\@thanks
5971 \endgroup
5972 \setcounter{footnote}{0}%
5973 \global\let\thanks\relax
5974 \global\let\LTRthanks\relax
5975 \global\let\RTLthanks\relax
5976 \global\let\maketitle\relax
5977 \global\let\@maketitle\relax
5978 \global\let\@thanks\@empty
5979 \global\let\@author\@empty
5980 \global\let\@date\@empty
5981 \global\let\@title\@empty
5982 \global\let\title\relax
5983 \global\let\author\relax
5984 \global\let\date\relax
5985 \global\let\and\relax
5986 }
5987 \def\@maketitle{%
5988 \newpage
5989 \null
5990 \vskip 2em%
5991 \begin{center}%
5992 \let \footnote \thanks
5993 \let \LTRfootnote \LTRthanks
5994 \let \RTLfootnote \RTLthanks
5995 {\LARGE \@title \par}%
5996 \vskip 1.5em%
5997 {\large
5998 \lineskip .5em%
5999 \begin{tabular}[t]{c}%
6000 \@author
6001 \end{tabular}\par}%
6002 \vskip 1em%
6003 {\large \@date}%
6004 \end{center}%
6005 \par
6006 \vskip 1.5em}
6007 \fi}
6008 \renewcommand*{\l@part[2]}{%

```



```

6009 \ifnum \c@tocdepth >-2\relax
6010 \addpenalty{-\@highpenalty}%
6011 \addvspace{2.25em \@plus\p@}%
6012 \setlength\@tempdima{3em}%
6013 \begingroup
6014 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6015 \parfillskip -\@pnumwidth
6016 {\leavevmode
6017 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6018 \nobreak
6019 \global\@nbreaktrue
6020 \everypar{\global\@nbreakfalse\everypar{}}%
6021 \endgroup
6022 \fi}
6023 \renewcommand*\l@chapter[2]{%
6024 \ifnum \c@tocdepth >\m@ne
6025 \addpenalty{-\@highpenalty}%
6026 \vskip 1.0em \@plus\p@
6027 \setlength\@tempdima{1.5em}%
6028 \begingroup
6029 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6030 \parfillskip -\@pnumwidth
6031 \leavevmode \bfseries
6032 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6033 \hskip -\if@RTL\rightskip\else\leftskip\fi
6034 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6035 \penalty\@highpenalty
6036 \endgroup
6037 \fi}
6038 \renewcommand\left@footnoterule{%
6039 \kern-3\p@
6040 \hrule\@width.4\columnwidth
6041 \kern2.6\p@}
6042 \renewcommand\right@footnoterule{%
6043 \kern-3\p@
6044 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6045 \kern2.6\p@}
6046 \renewcommand\theequation
6047 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6048 \renewcommand \thefigure
6049 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6050 \renewcommand \thetable
6051 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6052 \renewcommand \thechapter {\@arabic\c@chapter}
6053 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6054 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6055 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
6056 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
6057 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
6058 \def\@makechapterhead#1{%

```



```

6059 \vspace*{50\p@}%
6060 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6061 \ifnum \c@secnumdepth >\m@ne
6062 \if@mainmatter
6063 \huge\bfseries \@chapapp\space \thechapter
6064 \par\nobreak
6065 \vskip 20\p@
6066 \fi
6067 \fi
6068 \interlinepenalty\@M
6069 \Huge \bfseries #1\par\nobreak
6070 \vskip 40\p@
6071 }}
6072 \def\@makeschapterhead#1{%
6073 \vspace*{50\p@}%
6074 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6075 \normalfont
6076 \interlinepenalty\@M
6077 \Huge \bfseries #1\par\nobreak
6078 \vskip 40\p@
6079 }}
6080 \renewcommand\backmatter{%
6081 \if@openright
6082 \cleardoublepage
6083 \else
6084 \clearpage
6085 \fi
6086 \@mainmatterfalse}
6087 \renewenvironment{thebibliography}[1]
6088 {\chapter*{\bibname}%
6089 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6090 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6091 \list{\@biblabel{\@arabic\c@enumiv}}%
6092 {\settowidth\labelwidth{\@biblabel{#1}}%
6093 \leftmargin\labelwidth
6094 \advance\leftmargin\labelsep
6095 \@openbib@code
6096 \usecounter{enumiv}%
6097 \let\p@enumiv\@empty
6098 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6099 \sloppy
6100 \clubpenalty4000
6101 \@clubpenalty \clubpenalty
6102 \widowpenalty4000%
6103 \sfcode`\.\@m}
6104 {\def\@noitemerr
6105 {\@latex@warning{Empty `thebibliography' environment}}}%
6106 \endlist}

```



7.35 breqn-xetex-bidi.def

```

6107 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX
6108 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6109 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6110 \if@noskipsec \leavevmode \fi
6111 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6112 \if\eq@group\else\eq@prelim\fi
6113 \setkeys{breqn}{#1}%
6114 \the\eqstyle
6115 \eq@setnumber
6116 \begingroup
6117 \eq@setup@a
6118 \eq@startup
6119 }
6120 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6121 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6122 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6123 \global\let\GRP@label\@empty
6124 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6125 \global\grp@linewidth\z@\global\grp@wdNum\z@
6126 \global\let\grp@eqs@numbered\@False
6127 \global\let\grp@aligned\@True
6128 \global\let\grp@shiftnumber\@False
6129 \eq@prelim
6130 \setkeys{breqn}{#1}%
6131 \if\grp@hasNumber \grp@setnumber \fi
6132 }
6133 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6134 \let\display@setup\dseries@display@setup
6135 % Question: should this be the default for dseries???
6136 \global\eq@wdCond\z@
6137 \@dmath[layout={M},#1]%
6138 \mathsurround\z@\@math \penalty\@Mi
6139 \let\endmath\ends@math
6140 \def\premath{%
6141 \ifdim\lastskip<.3em \unskip
6142 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6143 }%
6144 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6145 \ignorespaces
6146 }
6147 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
6148 \renewenvironment{dsuspend}{%
6149 \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \parboxrestore
6150 \parshape 1 \displayindent \displaywidth\relax
6151 \hsize=\columnwidth \noindent\ignorespaces
6152 }{%
6153 \par\egroup
6154 \global\setbox\GRP@box\vbox{%

```



```

6155 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}}%
6156 \unvbox\GRP@box
6157 }%
6158 \global\GRP@queue\@xp{\the\GRP@queue
6159 \@elt{\let\eq@isIntertext\@True}}%
6160 }%
6161 }

```

7.36 cals-xetex-bidi.def

```

6162 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX e
6163 \renewenvironment{calstable}[1][c]{%
6164 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi
6165 \if l#1%
6166 \if@RTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
6167 \else\if r#1%
6168 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6169 \else\if c#1%
6170 \leftskip\fill \rightskip\fill
6171 \fi\fi\fi
6172 \let\cals@thead@tokens=\relax
6173 \let\cals@tfoot@tokens=\relax
6174 \let\cals@tbody@tokens=\relax
6175 \cals@tfoot@height=0pt \relax
6176 \let\cals@last@context=n%
6177 \let\cals@current@context=b%
6178 \parindent=0pt %
6179 \cals@setpadding{Ag}\cals@setcellprevdepth{A1}\cals@set@tohsiz%
6180 %% Alignment inside is independent on center/flushright outside
6181 \parfillskip=0pt plus1fil\relax
6182 \let\cals@borderL=\relax
6183 \let\cals@borderR=\relax
6184 \let\cals@borderT=\relax
6185 \let\cals@borderB=\relax
6186 }{% End of the table
6187 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6188
6189 \renewcommand\alignL{%
6190 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\
6191 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6192
6193 \renewcommand\alignR{%
6194 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
6195 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.37 caption-xetex-bidi.def

```

6196 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6197 \let\@makecaption\caption@makecaption

```

7.38 caption3-xetex-bidi.def



```

6198 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6199 \renewcommand*\caption@par{%
6200 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.39 colortbl-xetex-bidi.def

```

6201 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6202 \def\CT@setup{%
6203 \@tempdimb\col@sep
6204 \@tempdimc\col@sep
6205 \def\CT@color{%
6206 \global\let\CT@do@color\CT@@do@color
6207 \bidicolor}}
6208 \def\@classz{\@classx
6209 \@tempcnta \count@
6210 \prepnext@tok
6211 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6212 \@addtopreamble{\if@RTLtab\beginL\fi%
6213 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6214 \ifcase \@cnum
6215 \hskip\stretch{.5}\kern\z@
6216 \dollarbegin
6217 \insert@column
6218 \dollarend\hskip\stretch{.5}\or
6219 \dollarbegin \insert@column \dollarend \hfill \or
6220 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
6221 $\vcenter
6222 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6223 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6224 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6225 \fi
6226 \if@RTLtab\endR\fi\egroup\egroup
6227 \begingroup
6228 \CT@setup
6229 \CT@column@color
6230 \CT@row@color
6231 \CT@cell@color
6232 \CT@do@color
6233 \endgroup
6234 \@tempdima\ht\z@
6235 \advance\@tempdima\minrowclearance
6236 \vrule\@height\@tempdima\@width\z@
6237 \unhbox\z@\if@RTLtab\endL\fi}%
6238 \prepnext@tok}

```

7.40 color-xetex-bidi.def

```

6239 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX
6240 \long\def\color@b@x#1#2#3{%
6241 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6242 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%

```



```

6243 \dimen@ht\z@advance\dimen@fboxsep\ht\z@dimen@
6244 \dimen@dp\z@advance\dimen@fboxsep\dp\z@dimen@
6245 \ifx\color@block\wd\z@\ht\z@\dp\z@}%
6246 \box\z@}\ifmode\else\ifRTL\endL\fi\fi}
6247 \def\normalcolor{\let\current@color\default@color\ifmode\ifRTL\beginL\aftergroup\endR\fi\fi}
6248 \DeclareRobustCommand\color{%
6249 \ifmode\ifRTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
6250 \def\@declaredcolor#1{%
6251 \ifundefined{\string\color @#1}%
6252 {\c@lor@error{`#1'}}%
6253 {\expandafter\let\expandafter\current@color
6254 \csname\string\color @#1\endcsname
6255 \set@color}%
6256 \ifmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6257 \def\@undeclaredcolor[#1]#2{%
6258 \ifundefined{color@#1}%
6259 {\c@lor@error{model `#1'}}%
6260 {\csname color@#1\endcsname\current@color{#2}%
6261 \set@color}%
6262 \ifmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6263 \DeclareRobustCommand\bidicolor{%
6264 \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6265 \def\@bidiundeclaredcolor[#1]#2{%
6266 \ifundefined{color@#1}%
6267 {\c@lor@error{model `#1'}}%
6268 {\csname color@#1\endcsname\current@color{#2}%
6269 \set@color}%
6270 \ignorespaces}
6271 \def\@bidideclaredcolor#1{%
6272 \ifundefined{\string\color @#1}%
6273 {\c@lor@error{`#1'}}%
6274 {\expandafter\let\expandafter\current@color
6275 \csname\string\color @#1\endcsname
6276 \set@color}%
6277 \ignorespaces}
6278 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6279 \def\color@fbox#1#2#3{%
6280 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6281 \def\color@setgroup{\begingroup\ifmode\ifRTL\beginL\aftergroup\endR\fi\fi\set@color\ifmode

```

7.41 combine-xetex-bidi.def

```

6282 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeT
6283 \renewcommand{\c@ll@chapsecii}[2]{%
6284 \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6285 \ifRTL\hskip -\rightskip\else\hskip -\leftskip\fi
6286 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6287 }
6288 \renewcommand{\c@ll@chapseci}{%
6289 \setlength\@tempdima{0em}%

```



```

6290 \begingroup
6291 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6292 \parfillskip -\@pnumwidth
6293 \leavevmode
6294 }
6295 \renewenvironment{tocindent}[1]{%
6296 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

7.42 crop-xetex-bidi.def

```

6297 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX e
6298 \renewcommand*\CROP@ulc{%
6299 \if@RTLmain%
6300 \begin{picture}(0,0)
6301 \unitlength\p@\thinlines
6302 \put(-40,0){\circle{10}}
6303 \put(-30,-5){\line(0,1){10}}
6304 \put(-35,0){\line(1,0){30}}
6305 \put(-10,30){\circle{10}}
6306 \put(-5,30){\line(1,0){10}}
6307 \put(0,35){\line(0,-1){30}}
6308 \end{picture}%
6309 \else%
6310 \begin{picture}(0,0)
6311 \unitlength\p@\thinlines
6312 \put(-30,0){\circle{10}}
6313 \put(-30,-5){\line(0,1){10}}
6314 \put(-35,0){\line(1,0){30}}
6315 \put(0,30){\circle{10}}
6316 \put(-5,30){\line(1,0){10}}
6317 \put(0,35){\line(0,-1){30}}
6318 \end{picture}%
6319 \fi%
6320 }
6321 \renewcommand*\CROP@urc{%
6322 \if@RTLmain%
6323 \begin{picture}(0,0)
6324 \unitlength\p@\thinlines
6325 \put(20,0){\circle{10}}
6326 \put(30,-5){\line(0,1){10}}
6327 \put(35,0){\line(-1,0){30}}
6328 \put(-10,30){\circle{10}}
6329 \put(-5,30){\line(1,0){10}}
6330 \put(0,35){\line(0,-1){30}}
6331 \end{picture}%
6332 \else%
6333 \begin{picture}(0,0)
6334 \unitlength\p@\thinlines
6335 \put(30,0){\circle{10}}
6336 \put(30,-5){\line(0,1){10}}

```



```

6337         \put(35,0){\line(-1,0){30}}
6338         \put(0,30){\circle{10}}
6339         \put(-5,30){\line(1,0){10}}
6340         \put(0,35){\line(0,-1){30}}
6341     \end{picture}%
6342 \fi%
6343 }
6344 \renewcommand*\CROP@llc{%
6345     \if@RTLmain%
6346         \begin{picture}(0,0)
6347             \unitlength\p@thinlines
6348             \put(-40,0){\circle{10}}
6349             \put(-30,-5){\line(0,1){10}}
6350             \put(-35,0){\line(1,0){30}}
6351             \put(-10,-30){\circle{10}}
6352             \put(-5,-30){\line(1,0){10}}
6353             \put(0,-35){\line(0,1){30}}
6354         \end{picture}%
6355     \else%
6356         \begin{picture}(0,0)
6357             \unitlength\p@thinlines
6358             \put(-30,0){\circle{10}}
6359             \put(-30,-5){\line(0,1){10}}
6360             \put(-35,0){\line(1,0){30}}
6361             \put(0,-30){\circle{10}}
6362             \put(-5,-30){\line(1,0){10}}
6363             \put(0,-35){\line(0,1){30}}
6364         \end{picture}%
6365     \fi%
6366 }
6367 \renewcommand*\CROP@lrc{%
6368     \if@RTLmain%
6369         \begin{picture}(0,0)
6370             \unitlength\p@thinlines
6371             \put(20,0){\circle{10}}
6372             \put(30,-5){\line(0,1){10}}
6373             \put(35,0){\line(-1,0){30}}
6374             \put(-10,-30){\circle{10}}
6375             \put(-5,-30){\line(1,0){10}}
6376             \put(0,-35){\line(0,1){30}}
6377         \end{picture}%
6378     \else%
6379         \begin{picture}(0,0)
6380             \unitlength\p@thinlines
6381             \put(30,0){\circle{10}}
6382             \put(30,-5){\line(0,1){10}}
6383             \put(35,0){\line(-1,0){30}}
6384             \put(0,-30){\circle{10}}
6385             \put(-5,-30){\line(1,0){10}}
6386             \put(0,-35){\line(0,1){30}}

```



```

6387 \end{picture}%
6388 \fi%
6389 }
6390 \@ifpackagewith{crop}{cam}{%
6391 \CROP@execopt{cam}%
6392 }{}

```

7.43 cutwin-xetex-bidi.def

```

6393 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
6394 \renewcommand*{\c@twcompctr}[2]{%
6395 \def\c@twfirst{1}
6396 \loop\advance\c@twwinlines\m@ne
6397 \setbox\c@twslicea=\vsplit#1 to\baselineskip
6398 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6399 \c@twprune{\c@twslicea}{\c@twlftside}%
6400 \c@twprune{\c@twsliceb}{\c@twrtside}%
6401 \ifnum\c@twfirst=\@ne
6402 \setbox#2=\vbox{\unvbox#2\hbox
6403 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsl
6404 \else
6405 \setbox#2=\vbox{\unvbox#2\hbox
6406 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\
6407 \fi
6408 \def\c@twfirst{2}
6409 \ifnum\c@twwinlines>\z@\repeat}
6410 \renewcommand*{\c@twcompodctr}[2]{%
6411 \def\c@twrounds{1}
6412 \def\c@twfirst{1}
6413 \@for\c@twlspec:=\c@twb\do{%
6414 \ifnum\c@twrounds=1
6415 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6416 \c@twprune{\c@twslicea}{\c@twlspec}%
6417 \def\c@twrounds{2}
6418 \else
6419 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6420 \c@twprune{\c@twsliceb}{\c@twlspec}%
6421 \ifnum\c@twfirst=1
6422 \setbox#2=\vbox{\unvbox#2\hbox
6423 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\
6424 \def\c@twfirst{2}
6425 \else
6426 \setbox#2=\vbox{\unvbox#2\hbox
6427 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\
6428 \fi
6429 \def\c@twrounds{1}
6430 \fi}}

```

7.44 cuted-xetex-bidi.def

```

6431 \ProvidesFile{cuted-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for cuted package for XeTe

```



```

6432 \def\RTL@outputdblcol{%
6433 \if@firstcolumn \global\@firstcolumnfalse
6434 \global\setbox\@leftcolumn \box\@outputbox
6435 \else
6436 \global\@firstcolumntrue
6437 \setbox\@outputbox \vbox {\hbox to\textwidth {%
6438 \hskip \columnwidth
6439 \hfil \vrule width\columnseprule \hfil
6440 \hbox to\columnwidth {\box\@leftcolumn \hss}%
6441 \hskip -\textwidth
6442 \hbox to\columnwidth{\box\@outputbox \hss}%
6443 \hskip \columnsep
6444 \hskip \columnwidth }}%
6445 \ifvoid\hold@viper
6446 \else
6447 \setbox\@outputbox \vbox to\textheight{%
6448 \box\hold@viper
6449 \box\@outputbox
6450 \vss
6451 }%
6452 \fi
6453 \@combinedblfloats \@outputpage
6454 \begingroup \@dblfloatplacement \@startdblcolumn
6455 \@whiles\if@fcolmade \fi
6456 {\@outputpage \@startdblcolumn }%
6457 \ifvoid\@viper
6458 \else
6459 \global\setbox\@viper\vbox{%
6460 \vskip-\stripsep
6461 \unvbox\@viper
6462 }%
6463 \@viperoutput
6464 \fi
6465 \endgroup
6466 \fi}
6467 \def\LTR@outputdblcol{%
6468 \if@firstcolumn
6469 \global \@firstcolumnfalse
6470 \global \setbox\@leftcolumn \box\@outputbox
6471 \else
6472 \global\@firstcolumntrue
6473 \setbox\@outputbox \vbox {%
6474 \hb@xt@\textwidth {%
6475 \hb@xt@\columnwidth {%
6476 \box\@leftcolumn \hss}%
6477 \hfil
6478 \vrule \@width\columnseprule
6479 \hfil
6480 \hb@xt@\columnwidth {%
6481 \box\@outputbox \hss}%

```




```

6482                                     }%
6483                                     }%
6484 \ifvoid\hold@viper
6485 \else
6486   \setbox\@outputbox \vbox to\textheight{%
6487     \box\hold@viper
6488     \box\@outputbox
6489     \vss
6490   }%
6491 \fi
6492 \@combinedblfloats
6493 \@outputpage
6494 \beginngroup
6495   \@dblfloatplacement
6496   \@startdblcolumn
6497   \@whiles\if@fcolmade \fi
6498   {\@outputpage
6499     \@startdblcolumn}%
6500 \ifvoid\@viper
6501 \else
6502   \global\setbox\@viper\vbox{%
6503     \vskip-\stripsep
6504     \unvbox\@viper
6505   }%
6506   \@viperoutput
6507 \fi
6508 \endgroup
6509 \fi
6510 }
6511 \def \@addviper {%
6512 \if@firstcolumn
6513   \@insertfalse
6514   \@reqcolroom .5\@pageht
6515   \ht@viper\@reqcolroom
6516   \advance \@reqcolroom \ht\@viper
6517   \advance \@reqcolroom \stripsep
6518   \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
6519 %%
6520   \@tempdimb \ht@viper
6521   \loop
6522     \setbox\v@aaa\copy\@holdpg
6523     \setbox\v@ccc\vbox to\@tempdimb{%
6524       \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6525     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6526     \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6527   \loop
6528     \setbox\v@aaa\copy\@holdpg
6529     \setbox\v@ccc\vbox to\@tempdimb{%
6530       \vsplit\v@aaa to\@tempdimb\vss}%
6531   \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%

```



```

6532 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6533 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6534 \setbox\v@ccc\vbox to\@tempdimb{%
6535 \vsplit\@holdpg to\@tempdimb\vss}%
6536 %%
6537 \setbox\@tempboxa \vbox {%
6538 \hb@xt@\textwidth {%
6539 \ifRTLmain%
6540 \hskip \columnwidth
6541 \hfil \vrule width\columnseprule \hfil
6542 \hb@xt@\columnwidth {%
6543 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6544 \hskip -\textwidth
6545 \hb@xt@\columnwidth {%
6546 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6547 \hskip \columnsep
6548 \hskip \columnwidth
6549 \else%
6550 \hb@xt@\columnwidth {%
6551 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6552 \hfil
6553 \vrule \@width\columnseprule
6554 \hfil
6555 \hb@xt@\columnwidth {%
6556 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6557 \fi}%
6558 }%
6559 \ifvoid\hold@viper
6560 \global\setbox\hold@viper \vbox {%
6561 \unvbox\@tempboxa
6562 \penalty\interlinepenalty
6563 \vskip\stripsep
6564 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6565 \outputpenalty \z@
6566 }%
6567 \else
6568 \global\setbox\hold@viper \vbox {%
6569 \unvbox\hold@viper
6570 \unvbox\@tempboxa
6571 \penalty\interlinepenalty
6572 \vskip\stripsep
6573 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6574 \outputpenalty \z@
6575 }%
6576 \fi
6577 \ifdim \@colroom>\@reqcolroom
6578 \global\setbox\hold@viper \vbox {%
6579 \unvbox\hold@viper
6580 \box\@viper
6581 \penalty\interlinepenalty

```



```

6582         \vskip\stripsep
6583         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6584         \outputpenalty \z@
6585         }%
6586     \@inserttrue
6587     \advance\@tempdima by-\ht\hold@viper
6588     \global \advance \@colht \@tempdima
6589     \ifdim \@colht<2.5\baselineskip
6590     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6591         too tall on page \thepage (1 stulpelis)}%
6592         \@emptycol
6593         \if@firstcolumn
6594         \else
6595             \@emptycol
6596         \fi
6597         \global\@lastvipertrue
6598     \else
6599         \global \vsize \@colht
6600         \global \@colroom \@colht
6601         \check@floats
6602         \ifdim\@tempdima>\z@
6603             \global\advance\@colroom by-\@tempdima
6604         \fi
6605         \ifdim\@colroom<\z@
6606             \global\@colroom 1pt
6607             \ifdim\@tempdima>\@colht
6608                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6609                     netelpa lape \thepage (1 stulpelis)}%
6610             \fi
6611             \@emptycol
6612             \if@firstcolumn
6613             \else
6614                 \@emptycol
6615             \fi
6616             \global\@lastvipertrue
6617         \fi
6618     \fi
6619 \fi
6620 \else
6621     \@insertfalse
6622     \@reqcolroom\@colht
6623     \advance\@reqcolroom \@pageht
6624     \ht@viper.5\@reqcolroom
6625     \@reqcolroom\ht@viper
6626     \advance \@reqcolroom \ht\@viper
6627     \advance \@reqcolroom \stripsep
6628     \if@flushend@auto@baselineskip
6629         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
6630             \global\lastskip@d\lastskip
6631             \global\lastskip@b\lastskip

```



```

6632      \loop
6633      \global\lastskip@a\lastskip@b
6634      \unskip\unpenalty
6635      \global\lastskip@b\lastskip
6636      \global\advance\lastskip@d by\lastskip
6637      \ifdim\lastskip@b=-\lastskip@a
6638      \global\advance\lastskip@d by-\lastskip
6639      \else
6640      \repeat
6641      \ifdim\lastskip@b=-\lastskip@a
6642      \ifdim\lastskip@b=\z@
6643      \setbox\lastbox@a\lastbox
6644      \global\advance\lastskip@d by\ht\lastbox@a
6645      \global\advance\lastskip@d by\lastskip
6646      \unskip\unpenalty
6647      \setbox\lastbox@a\lastbox
6648      \global\advance\lastskip@d by\dp\lastbox@a
6649      \else
6650      \global\lastskip@d\lastskip
6651      \global\advance\lastskip@d by\topskip
6652      \fi
6653      \fi
6654      \global\advance\lastskip@d by-\topskip
6655      }%
6656      \ifdim\ht\@holdpg>\@colht
6657      \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6658      \par\eject
6659      \vbox to \@colht{\unvbox\@holdpg\unskip}}%
6660      }%
6661      \else
6662      \global\setbox\@holdpg\vbox{%
6663      \unvbox\@leftcolumn\unskip\unpenalty
6664      \vskip\lastskip@d
6665      \the\At@ViperColsBreak
6666      \unvbox\@holdpg
6667      \unskip
6668      }%
6669      \fi
6670      \else
6671      \global\setbox\@holdpg\vbox{%
6672      \unvbox\@leftcolumn
6673      \setbox\@tempboxa\lastbox
6674      \on@stripcols@break
6675      \the\At@ViperColsBreak
6676      \unvbox\@holdpg
6677      }%
6678      \fi
6679      \global\At@ViperColsBreak{}%
6680      \ht@viper .5\ht\@holdpg
6681      \ifdim \ht@viper>\@colht

```



```

6682      \ht@viper \@colht
6683    \fi
6684    \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
6685  %%
6686    \@tempdimb \ht@viper
6687    \loop
6688      \setbox\v@aaa\copy\@holdpg
6689      \setbox\v@ccc\vbox to\@tempdimb{%
6690        \vsplit\v@aaa to\@tempdimb
6691        \vss
6692        \vsplit\v@aaa to\@tempdimb
6693      }%
6694      \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6695    \ifvoid\v@aaa
6696    \else
6697      \advance\@tempdimb 1\p@
6698    \repeat
6699    \loop
6700      \setbox\v@aaa\copy\@holdpg
6701      \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
6702      \wlog{(2)Left:\the\ht\v@ccc\space
6703        Right:\the\ht\v@aaa\space
6704        Output:\the\@tempdimb
6705      }%
6706    \ifdim\ht\v@ccc<\ht\v@aaa
6707      \@tempdimb \the\ht\v@aaa
6708    \repeat
6709    \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6710      ^^JRight:\the\ht\v@aaa
6711      ^^JOutput:\the\@tempdimb
6712    }%
6713    \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
6714    \setbox\@tempboxa\vbox{%
6715      \hb@xt@\textwidth {%
6716        \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6717        \hfil
6718        \vrule \@width\columnseprule
6719        \hfil
6720        \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6721      }%
6722    }%
6723    \ifvoid\hold@viper
6724      \global\setbox\hold@viper \vbox {%
6725        \unvbox\@tempboxa
6726        \penalty\interlinepenalty
6727        \vskip\stripsep
6728        \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6729        \outputpenalty \z@
6730      }%
6731    \else

```



```

6732     \global\setbox\hold@viper \vbox {%
6733         \unvbox\hold@viper
6734         \unvbox\@tempboxa
6735         \penalty\interlinepenalty
6736         \vskip\stripsep
6737         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6738         \outputpenalty \z@
6739         }%
6740 \fi
6741 \ifdim \@colht>\@reqcolroom
6742     \global\setbox\hold@viper \vbox {%
6743         \unvbox\hold@viper
6744         \box\@viper
6745         \penalty\interlinepenalty
6746         \vskip\stripsep
6747         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6748         \outputpenalty \z@
6749         }%
6750 \@inserttrue
6751 \global\@firstcolumntrue
6752 \advance\@tempdima by-\ht\hold@viper
6753 \global \advance \@colht \@tempdima
6754 \ifdim \@colht<2.5\baselineskip
6755 \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6756                             too tall on page \thepage (2 stulpelis)}}%
6757     \@emptycol
6758     \if@firstcolumn
6759     \else
6760         \@emptycol
6761     \fi
6762     \global\@lastvipertrue
6763 \else
6764     \global \vsize \@colht
6765     \global \@colroom \@colht
6766     \check@floats
6767     \ifdim\@tempdima>\z@
6768         \global\advance\@colroom by-\@tempdima
6769     \fi
6770     \ifdim\@colroom<\z@
6771         \global\@colroom 1pt
6772         \ifdim\@tempdima>\@colht
6773             \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6774                                     netelpa lape \thepage (2 stulpelis)}}%
6775         \fi
6776         \@emptycol
6777         \if@firstcolumn
6778         \else
6779             \@emptycol
6780         \fi
6781         \global\@lastvipertrue

```



```

6782         \fi
6783     \fi
6784 \fi
6785 \fi
6786 \if@insert
6787 \else
6788     \advance\@tempdima by-\ht\hold@viper
6789     \global \advance \colht \@tempdima
6790     \global\setbox\hold@viper \vbox {%
6791                                     \unvbox\hold@viper
6792                                     \csname viper@top@hook\endcsname
6793                                     \vsplit\@viper to \colht
6794                                     \vss
6795                                     }%
6796     \vbox{%
6797     \global\@firstcolumnfalse
6798     \newpage
6799 \fi
6800 }

```

7.45 cvthemebidicasual.sty

```

6801 \NeedsTeXFormat{LaTeX2e}
6802 \ProvidesPackage{cvthemebidicasual}
6803 \DeclareOption{blue}{}
6804 \newif\if@colourorange\@colourorangefalse
6805 \DeclareOption{orange}{\@colourorange true}
6806 \newif\if@colourgreen\@colourgreenfalse
6807 \DeclareOption{green}{\@colourgreentrue}
6808 \newif\if@colourred\@colourredfalse
6809 \DeclareOption{red}{\@colourred true}
6810 \newif\if@colourgrey\@colourgreyfalse
6811 \DeclareOption{grey}{\@colourgrey true}
6812 \DeclareOption*{
6813     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
6814 \ExecuteOptions{colour}
6815 \ProcessOptions\relax
6816 \renewcommand*{\listitemsymbol}{\textbullet}
6817 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
6818 \familynamecolour{808080}
6819 \firstnamecolour{A9A9A9}
6820 \quotecolour{696969}
6821 \addresscolour{696969}
6822 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
6823 \sectiontitlecolour{1E90FF}
6824 \subsectioncolour{4682B4}
6825 \definecolor{rulecolour}{gray}{0.6}
6826 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
6827 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
6828 \if@colourorange

```



```

6829 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6830 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6831 \sectiontitlecolour{FF8C00}
6832 \subsectioncolour{FF8C00}
6833 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
6834 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
6835 \if@colourgreen
6836 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6837 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6838 \sectiontitlecolour{008000}
6839 \subsectioncolour{008000}
6840 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
6841 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
6842 \if@colourred
6843 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6844 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6845 \sectiontitlecolour{FF0000}
6846 \subsectioncolour{FF0000}
6847 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
6848 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
6849 \if@colourgrey
6850 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6851 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6852 \sectiontitlecolour{808080}
6853 \subsectioncolour{808080}
6854 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
6855 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
6856 \renewcommand*{\ttdefault}{pcr}
6857 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
6858 \renewcommand*{\familynamefont}{\firstnamefont}
6859 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6860 \renewcommand*{\quote font}{\large\slshape}
6861 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6862 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6863 \renewcommand*{\maketitle}{%
6864   {%
6865     \ifthenelse{\isundefined{\@photo}}{%
6866       {%
6867         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
6868         \hfill%
6869         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
6870         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
6871       \ifthenelse{\isundefined{\@quote}}{%
6872         {%
6873           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
6874         }%
6875     \newif\if@firstfooterelement\@firstfooterelementtrue
6876     \providecommand*{\footersymbol}{%
6877       \renewcommand*{\footersymbol}{%
6878         \if@firstfooterelement%

```




```

6879 \else%
6880 { ~~\color{footersymbolcolor}\textbullet~~}\fi}
6881 \providecommand*\makefooter{}
6882 \renewcommand*\makefooter{%
6883 \fancypagestyle{plain}{%
6884 \fancyfoot[c]{%
6885 \parbox{0.8\textwidth}{%
6886 \centering%
6887 \addressfont\@addresscolour%
6888 \ifthenelse{\isundefined{\@address}}{}{%
6889 \addresssymbol~\@address\\%
6890 \@firstfooterelementfalse}%
6891 \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
6892 \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
6893 \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
6894 \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
6895 \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
6896 }%
6897 \pagestyle{plain}}
6898 \AtBeginDocument{\makefooter}

```

7.46 cvthemebidiclassic.sty

```

6899 \NeedsTeXFormat{LaTeX2e}
6900 \ProvidesPackage{cvthemebidiclassic}
6901 \DeclareOption{blue}{}
6902 \newif\if@colourorange\@colourorangefalse
6903 \DeclareOption{orange}{\@colourorange>true}
6904 \newif\if@colourgreen\@colourgreenfalse
6905 \DeclareOption{green}{\@colourgreentrue}
6906 \newif\if@colourred\@colourredfalse
6907 \DeclareOption{red}{\@colourred>true}
6908 \newif\if@colourgrey\@colourgreymfalse
6909 \DeclareOption{grey}{\@colourgrey>true}
6910 \DeclareOption*{
6911 \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
6912 \ExecuteOptions{colour}
6913 \ProcessOptions\relax
6914 \renewcommand*\listitemsymbol{\textbullet}
6915 \firstnamecolour{}
6916 \familynamecolour{}
6917 \titlecolour{808080}
6918 \quotecolour{696969}
6919 \addresscolour{696969}
6920 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
6921 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
6922 \sectiontitlecolour{1E90FF}
6923 \subsectioncolour{4682B4}
6924 \if@colourorange
6925 \addresscolour{FF8C00}

```



```

6926 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
6927 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
6928 \sectiontitlecolour{FF8C00}
6929 \subsectioncolour{FF8C00}\fi
6930 \if@colourgreen
6931 \addresscolour{008000}
6932 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6933 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6934 \sectiontitlecolour{008000}
6935 \subsectioncolour{008000}\fi
6936 \if@colourred
6937 \addresscolour{FF0000}
6938 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6939 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6940 \sectiontitlecolour{FF0000}
6941 \subsectioncolour{FF0000}\fi
6942 \if@colourgrey
6943 \addresscolour{808080}
6944 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6945 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6946 \sectiontitlecolour{808080}
6947 \subsectioncolour{808080}\fi
6948 \renewcommand*{\ttdefault}{pcr}
6949 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
6950 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
6951 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6952 \renewcommand*{\familynamefont}{\firstnamedfont}
6953 \renewcommand*{\quote font}{\large\slshape}
6954 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6955 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6956 \newlength{\maketitlemaxwidth}
6957 \setlength{\maketitlemaxwidth}{.525\textwidth}
6958 \newlength{\maketitlefullwidth}
6959 \settowidth{\maketitlefullwidth}{\firstnamedfont\familynamefont}
6960 \newlength{\maketitlewidth}
6961 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}
6962 \newlength{\maketitlepicturewidth}
6963 \setlength{\maketitlepicturewidth}{\photowidth}
6964 \newlength{\maketitledetailwidth}
6965 \renewcommand*{\recomputethemelengths}{%
6966 \setlength{\maketitledetailwidth}{\textwidth}%
6967 \addtolength{\maketitledetailwidth}{-\maketitlewidth}%
6968 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
6969 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
6970 \recomputethemelengths
6971 \newif\if@firstdetailselement\@firstdetailselementtrue
6972 \newcommand*{\maketitledetailsnewline}{
6973 \if@firstdetailselement%
6974 \@firstdetailselementfalse%
6975 \else%

```



```

6976    \[.2em]\fi}
6977 \renewcommand*{\maketitle}{%
6978   % name and title
6979   \begin{minipage}[b]{\maketitlewidth}%
6980     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
6981     \ifthenelse{\equal{\@title}{}}{\}[1.25em]\titlestyle{\@title}}%
6982   \end{minipage}%
6983   % optional data
6984   \begin{minipage}[b]{\maketitledetailswidth}%
6985     \bidi@raggedleft\addressfont\@addresscolour%
6986     \ifthenelse{\isundefined{\@address}}{\}%
6987     \maketitledetailsnewline%
6988     \addresssymbol~\@address}%
6989     \ifthenelse{\isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
6990     \ifthenelse{\isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
6991     \ifthenelse{\isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
6992     \ifthenelse{\isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emailink{\@email}%
6993     \ifthenelse{\isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%
6994   \end{minipage}%
6995   % optional photo
6996   \ifthenelse{\isundefined{\@photo}}{\}%
6997   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlephoto]{\@photo}}}%
6998   % optional quote
6999   \ifthenelse{\isundefined{\@quote}}{\}%
7000   {\}%
7001   {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\][2.5em]\fi}
7002 }
7003 }

```

7.47 dblfnote-xetex-bidi.def

```

7004 \ProvidesFile{dblnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for xetex]
7005 \let\autofooterule\relax
7006 \let\rightfootnoterule\relax
7007 \let\leftfootnoterule\relax
7008 \let\textwidthfootnoterule\relax
7009 \let\LRfootnoterule\relax
7010 \def\footnoterule{\kern-3\p@
7011   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7012 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
7013 \let\@footnotetext\dfn@footnotetext}
7014 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7015   \let\insert\dfn@gobble
7016   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7017   \def\@makefnmark{\smash{\dfn@makefnmark}}
7018   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7019   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7020   \ifdim\dfn@dima>\z@else
7021     \dfn@dima1sp\relax
7022   \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi}

```



```

7023 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7024 \ifvoid\dfn@ins\else
7025 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7026 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7027 \setbox\dfn@boxa\copy\dfn@ins
7028 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7029 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7030 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7031 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7032 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7033 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7034 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7035 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7036 \let\insert\dfn@gobble
7037 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7038 \def\@makefnmark{\smash{\dfn@makefnmark}}
7039 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7040 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7041 \ifdim\dfn@dima>z@\else
7042 \dfn@dima\sp\relax
7043 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7044 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7045 \ifvoid\dfn@ins\else
7046 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7047 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7048 \setbox\dfn@boxa\copy\dfn@ins
7049 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7050 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7051 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7052 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7053 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7054 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7055 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7056 \def\dfn@RTLmakecol{\ifvoid\footins\else
7057 \dfn@dima\ht\footins
7058 \@tempcnta\z@ \dfn@countins
7059 \@tempdima\z@ \let\@elt\dfn@elt@getht
7060 \dfn@list\@nil
7061 \ifdim\@tempdima=z@\else
7062 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7063 \global\setbox\dfn@ins\box\dfn@ins
7064 \@tempwattrue
7065 \ifdfn@trysingle
7066 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7067 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7068 \advance\@tempdima-\skip\footins
7069 \advance\@tempdima-\ht\dfn@boxa
7070 \ifdim\@tempdima<z@\else \@tempwafalse
7071 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7072 \footnoterule \unvbox\dfn@boxa}\fi\fi

```



```

7073 \if@tempswa
7074 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7075 \global\setbox\footins\ vbox{\hbox{%
7076 \hskip \DFNcolumnwidth
7077 \hskip\DFNcolumnsep
7078 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7079 \unvbox\dfn@boxb\vss}\hss}
7080 \hskip -\textwidth
7081 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7082 \vbox to\@tempdima{
7083 \setbox\@tempboxa\vbox{\footnoterule}
7084 \ifdfn@ruleboth \unvbox\@tempboxa
7085 \else \@tempdima\ht\@tempboxa
7086 \advance\@tempdima\dp\@tempboxa
7087 \vskip\@tempdima
7088 \prevdepth\dp\@tempboxa \fi
7089 \unvbox\dfn@boxa\vss}\fi\hss}
7090 \hskip \DFNcolumnsep
7091 \hskip \DFNcolumnwidth}}\fi\fi
7092 \global\dfn@fnht\z@
7093 \ifx\dfn@list\@empty\else
7094 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7095 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7096 \let\@elt\relax
7097 \ifdim\dfn@dimb>\z@
7098 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7099 \insert\footins{\floatingpenalty\@MM
7100 \vbox to\dfn@dimb{}}\fi
7101 \ifdim\dfn@fnht>\@tempdima
7102 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7103 \global\dfn@fnht\@tempdima
7104 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7105 \xdef\dfn@afteroutput{\insert\footins{
7106 \floatingpenalty\@MM
7107 \vbox to\number\@tempdimb sp{}}%
7108 \global\let\noexpand\dfn@afteroutput\relax}%
7109 \fi\fi
7110 \fi}%
7111 \let\footnoterule\relax \dfn@latex@makecol
7112 \let\footnoterule\dfn@footnoterule}
7113 \def\dfn@LTRmakecol{\ifvoid\footins\else
7114 \dfn@dima\ht\footins
7115 \@tempcnta\z@ \dfn@countins
7116 \@tempdima\z@ \let\@elt\dfn@elt@getht
7117 \dfn@list\@nil
7118 \ifdim\@tempdima=\z@\else
7119 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7120 \global\setbox\dfn@ins\box\dfn@ins
7121 \@tempswatruue
7122 \ifdfn@trysingle

```



```

7123         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7124         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7125         \advance\@tempdima-\skip\footins
7126         \advance\@tempdima-\ht\dfn@boxa
7127         \ifdim\@tempdima<z@\else \@tempswafalse
7128             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7129                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7130     \if@tempswa
7131     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7132     \global\setbox\footins\vbox{\hbox{%
7133         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7134             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7135         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7136             \vbox to\@tempdima{
7137                 \setbox\@tempboxa\vbox{\footnoterule}
7138                 \ifdfn@ruleboth \unvbox\@tempboxa
7139                 \else \@tempdima\ht\@tempboxa
7140                     \advance\@tempdima\dp\@tempboxa
7141                     \vskip\@tempdima
7142                     \prevdepth\dp\@tempboxa \fi
7143                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7144     \global\dfn@fnht=z@
7145     \ifx\dfn@list\@empty\else
7146         \let\@elt\dfn@elt@adjust \dfn@dima=z@ \dfn@dimb=z@
7147         \dfn@list \global\advance\dfn@fnht\dfn@dimb
7148         \let\@elt\relax
7149         \ifdim\dfn@dimb>z@
7150             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7151             \insert\footins{\floatingpenalty\@MM
7152                 \vbox to\dfn@dimb{}}\fi
7153         \ifdim\dfn@fnht>\@tempdima
7154             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7155             \global\dfn@fnht\@tempdima
7156             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7157             \xdef\dfn@afteroutput{\insert\footins{
7158                 \floatingpenalty\@MM
7159                 \vbox to\number\@tempdimb sp{}}}%
7160             \global\let\noexpand\dfn@afteroutput\relax}%
7161         \fi\fi
7162     \fi}%
7163     \let\footnoterule\relax \dfn@latex@makecol
7164     \let\footnoterule\dfn@footnoterule}
7165 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7166 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7167 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7168 \DFNalwaysdouble

```

7.48 draftwatermark-xetex-bidi.def

7169 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar



```

7170 \renewcommand\SetWatermarkText[1]{%
7171   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.49 eso-pic-xetex-bidi.def

```

7172 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for XeT
7173 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7174   \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
7175
7176 \ESO@isMEMOIR{%
7177   \renewcommand\AtTextUpperLeft[1]{%
7178     \begingroup
7179     \ifodd\c@page
7180       \@tempdima=\spinemargin
7181     \else
7182       \@tempdima=\paperwidth
7183       \advance\@tempdima-\textwidth
7184       \advance\@tempdima-\spinemargin
7185     \fi
7186     \@tempdimb=-\uppermargin
7187     \AtPageUpperLeft{%
7188       \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7189     }%
7190   \endgroup
7191 }
7192 }{%
7193   \renewcommand\AtTextUpperLeft[1]{%
7194     \begingroup
7195     \@tempdima=1in\relax
7196     \ifodd\c@page
7197       \advance\@tempdima\oddsidemargin
7198     \else
7199       \advance\@tempdima\evensidemargin
7200     \fi
7201     \@tempdimb=-1in\relax
7202     \advance\@tempdimb-\topmargin
7203     \advance\@tempdimb-\headheight
7204     \advance\@tempdimb-\headsep
7205     \AtPageUpperLeft{%
7206       \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7207     }%
7208   \endgroup
7209 }
7210 }

```

7.50 empheq-xetex-bidi.def

```

7211 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7212 \MHInternalSyntaxOn
7213 \def\EQ_tag_plus_endmark:{%
7214   \iftagsleft@

```



```

7215 \gdef\maketag@@@##1{%
7216 \hfuzz\displaywidth
7217 \if@RTL\makebox[\widthof{##1}][r]{%
7218 \hbox to \displaywidth{\m@th\normalfont##1\hss
7219 \raisebox{-\dp\EQ_mathdisplay_box
7220 -\depthof{\EQ_outerbox:}}{
7221 {\PotEndMark{\hss}}}}
7222 \else\makebox[\widthof{##1}][l]{%
7223 \hbox to \displaywidth{\m@th\normalfont##1\hss
7224 \raisebox{-\dp\EQ_mathdisplay_box
7225 -\depthof{\EQ_outerbox:}}{
7226 {\PotEndMark{\hss}}}}\fi}%
7227 \else:
7228 \gdef\maketag@@@##1{%
7229 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
7230 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
7231 \MH_addtolength:dn \@tempdima
7232 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7233 \setlength{\@tempdimb}
7234 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7235 +\depthof{\EQ_innerbox:}}}%
7236 \if_dim:w \@tempdima>\@tempdimb
7237 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7238 -\@tempdima+\g_EQ_bottomrow_depth_dim}
7239 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
7240 \def\EQ_next:{\raisebox{\@tempdima}}%
7241 \else:
7242 \def\EQ_next:{
7243 \raisebox{-\dp\EQ_mathdisplay_box
7244 -\depthof{\EQ_outerbox:}}}%
7245 \fi:\EQ_next:}}}%
7246 \fi:}
7247 \def\EQ_post_process:{%
7248 \EQ_initialize:
7249 \EQ_begin_equation:
7250 \MH_if_boolean:nT {outer_mult}{
7251 \setkeys{\MT_options_name:}{
7252 firstline-afterskip=0pt,
7253 lastline-preskip=0pt,
7254 multlined-width=0pt,
7255 }
7256 \ifodd \l_EQ_alignmentmode_int
7257 \setkeys{\MT_options_name:}{multlined-pos=b}
7258 \else:
7259 \setkeys{\MT_options_name:}{multlined-pos=t}
7260 \fi:
7261 \g@addto@macro\EQ_complete_mathdisplay:{
7262 \begin{MTmultlined}\relax}
7263 }
7264 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:

```




```

7265 \MH_if_boolean:nT {outer_mult}{
7266   \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7267 }
7268 \EQ_end_equation:
7269 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7270 \savecounters@
7271 \EQ_typeset_tags:
7272 \edef\l_EQ_equation_fint{\number\c@equation}
7273 \restorecounters@
7274 \Hy@linkcounter=\EQ_hyperref_link_fint
7275 \settowidth\l_EQ_totalwidth_dim{%
7276   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
7277 \MH_if_boolean:nTF {outer_mult}
7278   { \def\EQ_next:{_mult} }
7279   { \def\EQ_next:{} }
7280 \@nameuse{EQ_modify_linewidth_
7281   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7282 \EQ_typeset_display:
7283 \@nameuse{find_displaywidth_
7284   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7285 \MH_addtolength:dn
7286   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7287 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7288   $\EQ_left_side:
7289   \EQ_innerbox:{%
7290     \if_case:w \l_EQ_alignmentmode_int\or:
7291       \makebox[\l_EQ_displaywidth_dim][c]
7292       {\usebox{\EQ_mathdisplay_box}}%
7293     \or:
7294       \makebox[\l_EQ_displaywidth_dim][c]
7295       {\usebox{\EQ_mathdisplay_box}}%
7296     \or:
7297       \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7298         \if_num:w \l_EQ_equationtype_int=5 \else:
7299           \if_num:w \l_EQ_equationtype_int=6 \else:
7300             \kern-\@mathmargin
7301             \fi:
7302           \fi:
7303           \usebox{\EQ_mathdisplay_box}}%
7304         \else\makebox[\l_EQ_displaywidth_dim][l]{%
7305           \if_num:w \l_EQ_equationtype_int=5 \else:
7306             \if_num:w \l_EQ_equationtype_int=6 \else:
7307               \kern-\@mathmargin
7308               \fi:
7309             \fi:
7310             \usebox{\EQ_mathdisplay_box}}\fi%
7311         \or:
7312           \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7313             \if_num:w \l_EQ_equationtype_int=5 \else:
7314               \if_num:w \l_EQ_equationtype_int=6 \else:

```



```

7315         \kern-\@mathmargin
7316         \fi:
7317         \fi:
7318         \usebox{\EQ_mathdisplay_box}}
7319     \else\makebox[\l_EQ_displaywidth_dim][l]{%
7320         \if_num:w \l_EQ_equationtype_int=5 \else:
7321         \if_num:w \l_EQ_equationtype_int=6 \else:
7322         \kern-\@mathmargin
7323         \fi:
7324         \fi:
7325         \usebox{\EQ_mathdisplay_box}}\fi%
7326     \fi:}%
7327     \EQ_right_side:$}%
7328     \begin{AmSequation*}
7329     \@nameuse{EQ_place_display_
7330         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7331     \if_dim:w \g_EQ_widesttag_dim>\z@
7332     \MH_set_boolean_T:n {show_manual_tags}
7333     \if_case:w \l_EQ_alignmentmode_int
7334     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7335     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7336     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7337     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7338     \fi:
7339     \fi:
7340     \end{AmSequation*}
7341     \global\c@equation=\l_EQ_equation_fint\relax
7342 }
7343 \AtBeginDocument{%
7344     \ifpackageloaded{fancybox}{%
7345         \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7346         {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
7347         \renewcommand*{\shadowbox}%
7348         \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
7349             \VerbBox\EQ_shadowbox:n}
7350             {\MH_set_boolean_F:n {shadowbox_star}
7351             \VerbBox\EQ_shadowbox:n}}
7352     \def\EQ_shadowbox:n #1{%
7353         \sbox{\z@}{\fbox{#1}}%
7354         \MH_if_boolean:nTF {shadowbox_star}{
7355             \MH_setlength:dn \@tempdima{\z@}%
7356         }{
7357             \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
7358         }
7359         \raisebox{\@tempdima}{%
7360             \if@RTL\makebox[\z@][r]{%
7361                 \kern\shadowsize \textcolor{shadowcolor}{%
7362                     \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7363             }%
7364             \else\makebox[\z@][l]{%

```



```

7365         \kern\shadowsize \textcolor{shadowcolor}{%
7366             \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7367     }\fi%
7368     \usebox\z@\textcolor{shadowcolor}{%
7369         \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
7370 }{}%
7371 }
7372 \MHInternalSyntaxOff

```

7.51 extarticle-xetex-bidi.def

```

7373 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class f
7374 \renewcommand*\l@section[2]{%
7375     \ifnum \c@tocdepth >\z@
7376         \addpenalty\@secpenalty
7377         \addvspace{1.0em \@plus\p@}%
7378         \setlength\@tempdima{1.5em}%
7379         \begingroup
7380             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7381             \parfillskip -\@pnumwidth
7382             \leavevmode \bfseries
7383             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7384             \hskip -\if@RTL\rightskip\else\leftskip\fi
7385             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7386         \endgroup
7387     \fi}
7388 \renewcommand*\l@part[2]{%
7389     \ifnum \c@tocdepth >-2\relax
7390         \addpenalty\@secpenalty
7391         \addvspace{2.25em \@plus\p@}%
7392         \begingroup
7393             \setlength\@tempdima{3em}%
7394             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7395             \parfillskip -\@pnumwidth
7396             {\leavevmode
7397                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7398             \nobreak
7399         \endgroup
7400     \fi}
7401 \def\@part[#1]#2{%
7402     \ifnum \c@secnumdepth >\m@ne
7403         \refstepcounter{part}%
7404         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7405     \else
7406         \addcontentsline{toc}{part}{#1}%
7407     \fi
7408     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7409         \interlinepenalty \@M
7410         \normalfont
7411         \ifnum \c@secnumdepth >\m@ne

```



```

7412     \Large\bfseries \partname~\thepart
7413     \par\nobreak
7414     \fi
7415     \huge \bfseries #2%
7416     \markboth{}{}\par}%
7417     \nobreak
7418     \vskip 3ex
7419     \@afterheading}
7420 \def\@spart#1{%
7421     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7422     \interlinepenalty \@M
7423     \normalfont
7424     \huge \bfseries #1\par}%
7425     \nobreak
7426     \vskip 3ex
7427     \@afterheading}
7428 \renewenvironment{thebibliography}[1]
7429     {\section*{\refname
7430     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7431     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7432     \list{\@biblabel{\@arabic\c@enumiv}}%
7433     {\settowidth\labelwidth{\@biblabel{#1}}%
7434     \leftmargin\labelwidth
7435     \advance\leftmargin\labelsep
7436     \@openbib@code
7437     \usecounter{enumiv}%
7438     \let\p@enumiv\@empty
7439     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7440     \sloppy\clubpenalty4000\widowpenalty4000%
7441     \sfcode`.\@m}
7442     {\def\@noitemerr
7443     {\@latex@warning{Empty `thebibliography' environment}}%
7444     \endlist}
7445 \renewcommand\left@footnoterule{%
7446     \kern-3\p@
7447     \hrule\@width.4\columnwidth
7448     \kern2.6\p@}
7449 \renewcommand\right@footnoterule{%
7450     \kern-3\p@
7451     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7452     \kern2.6\p@}
7453     \if@titlepage
7454     \renewcommand\maketitle{\begin{titlepage}%
7455     \let\footnotesize\small
7456     \let\right@footnoterule\relax
7457     \let\left@footnoterule\relax
7458     \let\textwidth\footnoterule\relax
7459     \let \footnote \thanks
7460     \null\vfil
7461     \vskip 60\p@

```



```

7462 \begin{center}%
7463   {\LARGE \@title \par}%
7464   \vskip 3em%
7465   {\large
7466     \lineskip .75em%
7467     \begin{tabular}[t]{c}%
7468       \@author
7469     \end{tabular}\par}%
7470   \vskip 1.5em%
7471   {\large \@date \par}%           % Set date in \large size.
7472 \end{center}\par
7473 \@thanks
7474 \vfil\null
7475 \end{titlepage}%
7476 \setcounter{footnote}{0}%
7477 \global\let\thanks\relax
7478 \global\let\maketitle\relax
7479 \global\let\@thanks\@empty
7480 \global\let\@author\@empty
7481 \global\let\@date\@empty
7482 \global\let\@title\@empty
7483 \global\let\title\relax
7484 \global\let\author\relax
7485 \global\let\date\relax
7486 \global\let\and\relax
7487 }
7488 \else
7489 \renewcommand\maketitle{\par
7490 \begingroup
7491   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7492   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7493   \long\def\@makeintext##1{\parindent 1em\noindent
7494     \hb@xt@1.8em{%
7495       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7496   \if@twocolumn
7497     \ifnum \col@number=\@ne
7498       \@maketitle
7499     \else
7500       \twocolumn[\@maketitle]%
7501     \fi
7502   \else
7503     \newpage
7504     \global\@topnum\z@   % Prevents figures from going at top of page.
7505     \@maketitle
7506   \fi
7507   \thispagestyle{plain}\@thanks
7508 \endgroup
7509 \setcounter{footnote}{0}%
7510 \global\let\thanks\relax
7511 \global\let\maketitle\relax

```



```

7512 \global\let\@maketitle\relax
7513 \global\let\@thanks\@empty
7514 \global\let\@author\@empty
7515 \global\let\@date\@empty
7516 \global\let\@title\@empty
7517 \global\let\title\relax
7518 \global\let\author\relax
7519 \global\let\date\relax
7520 \global\let\and\relax
7521 }
7522 \def\@maketitle{%
7523 \newpage
7524 \null
7525 \vskip 2em%
7526 \begin{center}%
7527 \let \footnote \thanks
7528 {\LARGE \@title \par}%
7529 \vskip 1.5em%
7530 {\large
7531 \lineskip .5em%
7532 \begin{tabular}[t]{c}%
7533 \@author
7534 \end{tabular}\par}%
7535 \vskip 1em%
7536 {\large \@date}%
7537 \end{center}%
7538 \par
7539 \vskip 1.5em}
7540 \fi
7541 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7542 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7543 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7544 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.52 extbook-xetex-bidi.def

```

7545 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7546 \if@titlepage
7547 \renewcommand\maketitle{\begin{titlepage}%
7548 \let\footnotesize\small
7549 \let\right@footnoterule\relax
7550 \let\left@footnoterule\relax
7551 \let\textwidth@footnoterule\relax
7552 \let \footnote \thanks
7553 \let \LTRfootnote \LTRthanks
7554 \let \RTLfootnote \RTLthanks
7555 \null\vfil
7556 \vskip 60\p@
7557 \begin{center}%
7558 {\LARGE \@title \par}%

```



```

7559 \vskip 3em%
7560 {\large
7561 \lineskip .75em%
7562 \begin{tabular}[t]{c}%
7563 \@author
7564 \end{tabular}\par}%
7565 \vskip 1.5em%
7566 {\large \@date \par}% % Set date in \large size.
7567 \end{center}\par
7568 \@thanks
7569 \vfil\null
7570 \end{titlepage}%
7571 \setcounter{footnote}{0}%
7572 \global\let\thanks\relax
7573 \global\let\LTRthanks\relax
7574 \global\let\RTLthanks\relax
7575 \global\let\maketitle\relax
7576 \global\let\@thanks\@empty
7577 \global\let\@author\@empty
7578 \global\let\@date\@empty
7579 \global\let\@title\@empty
7580 \global\let\title\relax
7581 \global\let\author\relax
7582 \global\let\date\relax
7583 \global\let\and\relax
7584 }
7585 \else
7586 \renewcommand\maketitle{\par
7587 \begingroup
7588 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7589 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7590 \long\def\@makeintext##1{\parindent 1em\noindent
7591 \hb@xt@1.8em{%
7592 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7593 \if@twocolumn
7594 \ifnum \col@number=\@ne
7595 \@maketitle
7596 \else
7597 \twocolumn[\@maketitle]%
7598 \fi
7599 \else
7600 \newpage
7601 \global\@topnum\z@ % Prevents figures from going at top of page.
7602 \@maketitle
7603 \fi
7604 \thispagestyle{plain}\@thanks
7605 \endgroup
7606 \setcounter{footnote}{0}%
7607 \global\let\thanks\relax
7608 \global\let\LTRthanks\relax

```



```

7609 \global\let\RTLthanks\relax
7610 \global\let\maketitle\relax
7611 \global\let\@maketitle\relax
7612 \global\let\@thanks\@empty
7613 \global\let\@author\@empty
7614 \global\let\@date\@empty
7615 \global\let\@title\@empty
7616 \global\let\title\relax
7617 \global\let\author\relax
7618 \global\let\date\relax
7619 \global\let\and\relax
7620 }
7621 \def\@maketitle{%
7622   \newpage
7623   \null
7624   \vskip 2em%
7625   \begin{center}%
7626     \let \footnote \thanks
7627     \let \LTRfootnote \LTRthanks
7628     \let \RTLfootnote \RTLthanks
7629     {\LARGE \@title \par}%
7630     \vskip 1.5em%
7631     {\large
7632       \lineskip .5em%
7633       \begin{tabular}[t]{c}%
7634         \@author
7635       \end{tabular}\par}%
7636     \vskip 1em%
7637     {\large \@date}%
7638   \end{center}%
7639   \par
7640   \vskip 1.5em}
7641 \fi
7642 \renewcommand*\l@part[2]{%
7643   \ifnum \c@tocdepth >-2\relax
7644     \addpenalty{-\@highpenalty}%
7645     \addvspace{2.25em \@plus\p@}%
7646     \begingroup
7647       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7648       \parfillskip -\@pnumwidth
7649       {\leavevmode
7650         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7651       \nobreak
7652       \global\@nbreaktrue
7653       \everypar{\global\@nbreakfalse\everypar{}}%
7654     \endgroup
7655   \fi}
7656 \renewcommand\theequation
7657   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7658 \renewcommand \thefigure

```




```

7659      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7660 \renewcommand \thetable
7661      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7662 \renewcommand \thechapter {\@arabic\c@chapter}
7663 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7664 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7665 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
7666 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
7667 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
7668 \def\@makechapterhead#1{%
7669     \vspace*{50\p@}%
7670     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7671       \ifnum \c@secnumdepth >\m@ne
7672         \if@mainmatter
7673           \huge\bfseries \@chapapp\space \thechapter
7674           \par\nobreak
7675           \vskip 20\p@
7676         \fi
7677       \fi
7678       \interlinepenalty\@M
7679       \Huge \bfseries #1\par\nobreak
7680       \vskip 40\p@
7681     }}
7682
7683 \def\@makeschapterhead#1{%
7684     \vspace*{50\p@}%
7685     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7686       \normalfont
7687       \interlinepenalty\@M
7688       \Huge \bfseries #1\par\nobreak
7689       \vskip 40\p@
7690     }}
7691 \renewcommand\backmatter{%
7692     \if@openright
7693       \cleardoublepage
7694     \else
7695       \clearpage
7696     \fi
7697     \@mainmatterfalse}
7698 \renewenvironment{thebibliography}[1]
7699     {\chapter*{\bibname
7700       \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7701     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7702     \list{\@biblabel{\@arabic\c@enumiv}}%
7703         {\settowidth\labelwidth{\@biblabel{#1}}%
7704         \leftmargin\labelwidth
7705         \advance\leftmargin\labelsep
7706         \@openbib@code
7707         \usecounter{enumiv}%
7708         \let\p@enumiv\@empty

```



```

7709         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7710         \sloppy
7711         \clubpenalty4000
7712         \@clubpenalty \clubpenalty
7713         \widowpenalty4000%
7714         \sfcode`. \@m}
7715     {\def\@noitemerr
7716      {\@latex@warning{Empty `thebibliography' environment}}}%
7717     \endlist}

```

7.53 extletter-xetex-bidi.def

```

7718 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
7719 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
7720 \thispagestyle{firstpage}%
7721 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
7722 \else % home address
7723 \thispagestyle{empty}%
7724 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
7725 \fromaddress \*[2\parskip]%
7726 \@date \end{tabular}\par}%
7727 \fi
7728 \vspace{2\parskip}%
7729 {\if@RTL\raggedleft\else\raggedright\fi \toname \[ \toaddress \par}%
7730 \vspace{2\parskip}%
7731 #1\par\nobreak}
7732 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
7733 \stopbreaks
7734 \noindent
7735 \ifx\@empty\fromaddress\else
7736 \hspace*{\longindentation}\fi
7737 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
7738 \ignorespaces #1\*[6\medskipamount]%
7739 \ifx\@empty\fromsig
7740 \fromname
7741 \else \fromsig \fi\strut}%
7742 \par}
7743 \renewcommand\left@footnoterule{%
7744 \kern-\p@
7745 \hrule \@width .4\columnwidth
7746 \kern .6\p@}
7747 \renewcommand\right@footnoterule{%
7748 \kern-\p@
7749 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7750 \kern .6\p@}

```

7.54 extrafootnotefeatures-xetex-bidi.def

```

7751 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2015/11/23 v0.7 bidi extra footnote features
7752 \let\autofootnoterule\relax
7753 \let\rightfootnoterule\relax

```



```

7754 \let\leftfootnoterule\relax
7755 \let\textwidthfootnoterule\relax
7756 \let\LRfootnoterule\relax
7757 \def\footnoterule{\kern-3\p@
7758   \hrule \@width \columnwidth \kern 2.6\p@}
7759 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
7760 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
7761 \renewcommand{\@footnotetext}[1]{%
7762   \insert\footins{%
7763     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7764     \def\baselinestretch{\m@m@footnote@spacing}%
7765     \reset@font
7766     \foottextfont
7767     \@preamfntext
7768     \hsize\columnwidth
7769     \protected@edef\@currentlabel{%
7770       \csname p@footnote\endcsname\@thefnmark}%
7771     \color@begingroup
7772     \@makefntext{%
7773       \rule\z@{\footnotesep\ignorespaces{\foottextfont #1}%
7774       \@finalstrut\strutbox}%
7775     \color@endgroup}%
7776     \m@mmf@prepare}
7777 \renewcommand{\@RTLfootnotetext}[1]{%
7778   \insert\footins{%
7779     \@RTLtrue%
7780     \def\baselinestretch{\m@m@footnote@spacing}%
7781     \reset@font
7782     \RTLfoottextfont
7783     \@preamfntext
7784     \hsize\columnwidth
7785     \protected@edef\@currentlabel{%
7786       \csname p@footnote\endcsname\@thefnmark}%
7787     \color@begingroup
7788     \@makefntext{%
7789       \rule\z@{\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7790       \@finalstrut\strutbox}%
7791     \color@endgroup}%
7792     \m@mmf@prepare}
7793 \renewcommand{\@LTRfootnotetext}[1]{%
7794   \insert\footins{%
7795     \@RTLfalse%
7796     \def\baselinestretch{\m@m@footnote@spacing}%
7797     \reset@font
7798     \LTRfoottextfont
7799     \@preamfntext
7800     \hsize\columnwidth
7801     \protected@edef\@currentlabel{%
7802       \csname p@footnote\endcsname\@thefnmark}%
7803     \color@begingroup

```



```

7804 \makefnintext{%
7805 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7806 \@finalstrut\strutbox}%
7807 \color@endgroup}%
7808 \m@mmf@prepare}
7809 \renewcommand{\@mpfootnotetext}[1]{%
7810 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7811 \unvbox\@mpfootins
7812 \def\baselinestretch{\m@m@footnote@spacing}%
7813 \foottextfont \hsize\columnwidth \@parboxrestore
7814 \protected@edef\@currentlabel{%
7815 \csname p@mpfootnote\endcsname\@thefnmark}%
7816 \color@begingroup
7817 \reset@font%
7818 \makefnintext{%
7819 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
7820 \@finalstrut\strutbox}%
7821 \color@endgroup}}
7822 \renewcommand{\@mpLTRfootnotetext}[1]{%
7823 \global\setbox\@mpfootins\vbox{\@RTLfalse%
7824 \unvbox\@mpfootins
7825 \def\baselinestretch{\m@m@footnote@spacing}%
7826 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
7827 \protected@edef\@currentlabel{%
7828 \csname p@mpfootnote\endcsname\@thefnmark}%
7829 \color@begingroup
7830 \reset@font%
7831 \makefnintext{%
7832 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7833 \@finalstrut\strutbox}%
7834 \color@endgroup}}
7835 \renewcommand{\@mpRTLfootnotetext}[1]{%
7836 \global\setbox\@mpfootins\vbox{\@RTLtrue%
7837 \unvbox\@mpfootins
7838 \def\baselinestretch{\m@m@footnote@spacing}%
7839 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
7840 \protected@edef\@currentlabel{%
7841 \csname p@mpfootnote\endcsname\@thefnmark}%
7842 \color@begingroup
7843 \reset@font%
7844 \makefnintext{%
7845 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7846 \@finalstrut\strutbox}%
7847 \color@endgroup}}
7848 \let\m@mold@footnotetext\@footnotetext
7849 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
7850 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
7851 \let\m@mold@mpfootnotetext\@mpfootnotetext
7852 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
7853 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext

```



```

7854 \bidi@ensure@newcommand{\normalfootnotes}{%
7855   \let\@footnotetext\m@mold@footnotetext
7856   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
7857   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
7858   \let\@mpfootnotetext\m@mold@mpfootnotetext
7859   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
7860   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
7861 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
7862 \bidi@ensure@newcommand*\@RTLcolumnfootnotes{\@RTLcolumnfootnotestruer}
7863 \bidi@ensure@newcommand*\@LTRcolumnfootnotes{\@RTLcolumnfootnotesfalse}
7864 \bidi@ensure@newcommand*\setSingleSpace[1]{%
7865   \def\m@m@singlespace{#1}%
7866   \def\m@m@footnote@spacing{#1}%
7867   \def\m@m@float@spacing{#1} %
7868 }
7869 \setSingleSpace{1}
7870 \newinsert\sideins
7871 \bidi@ensure@newcommand*\multiplefootnotemarker{3sp}
7872 \bidi@ensure@newcommand*\m@mmf@prepare{%
7873   \kern-\multiplefootnotemarker
7874   \kern\multiplefootnotemarker\relax}
7875 \bidi@ensure@newlength{\footmarkwidth}
7876 \bidi@ensure@newlength{\footmarksep}
7877 \bidi@ensure@newlength{\footparindent}
7878 \bidi@ensure@newcommand*\footmarkstyle[1]{\def\footscript##1{#1}}
7879 \bidi@ensure@newcommand*\footfootmark{%
7880   \ifdim\footmarkwidth < \z@
7881     \llap{\hb@xt@ -\footmarkwidth{%
7882       \hss\normalfont\footscript{\@thefnmark}}}%
7883     \hspace*{-\footmarkwidth}}%
7884   \else
7885     \ifdim\footmarkwidth = \z@
7886       {\normalfont\footscript{\@thefnmark}}%
7887     \else
7888       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
7889     \fi
7890   \fi}
7891 \footmarkstyle{\textsuperscript{#1}}
7892 \setlength{\footmarkwidth}{1.8em}
7893 \setlength{\footparindent}{1em}
7894 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
7895 \bidi@ensure@newcommand*\extrafeetins{%
7896   \setbox\@outputbox \vbox{%
7897     \boxmaxdepth \@maxdepth
7898     \unvbox\@outputbox
7899     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
7900     \extrafeetinshook}}
7901 \bidi@ensure@newcommand{\extrafeetinshook}{%
7902 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
7903 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}

```



```

7904 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
7905 \bidi@ensure@newlength{\footinsdim}
7906 \setlength{\footinsdim}{8in} % standard for \dimen\footins
7907 \bidi@ensure@newcommand{\@preamfntext}{%
7908 \interlinepenalty\interfootnotelinepenalty
7909 \floatingpenalty \@MM
7910 \splittopskip=\footnotesep
7911 \splitmaxdepth=\dp\strutbox
7912 \@parboxrestore}
7913 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
7914 \extrafeetminihook}
7915 \bidi@ensure@newcommand{\extrafeetendmini}{%
7916 \ifvoid\@mpfootinsv@r\else
7917 \vskip\skip\@mpfootins
7918 \normalcolor\footnoterule\mp@footgroupv@r
7919 \fi
7920 \extrafeetendminihook}
7921 \bidi@ensure@newcommand{\extrafeetendminihook}{}
7922 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
7923 \def\endminipage{%
7924 \par
7925 \unskip
7926 \ifvoid\@mpfootins\else
7927 \vskip\skip\@mpfootins
7928 \normalcolor
7929 \footnoterule
7930 \unvbox\@mpfootins
7931 \fi
7932 \m@mdoextrafeetendmini
7933 \@minipagefalse
7934 \color@endgroup
7935 \egroup
7936 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
7937 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
7938 \@namedef{@footstart#1}{%
7939 \vskip\bigskipamount
7940 \leftskip=\z@
7941 \rightskip=\z@
7942 \footnoterule}}
7943 \newinsert\footinsv@r
7944 \skip\footinsv@r\bigskipamount
7945 \count\footinsv@r=1000 % no magnification
7946 \dimen\footinsv@r=\footinsdim
7947 \m@make@footstart{v@r}
7948 \bidi@ensure@newcommand{\@footgroupv@r}{}
7949 \newinsert\@mpfootinsv@r
7950 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
7951 \newcount\m@m@k \newdimen\m@m@h
7952 \@ifpackageloaded{multicol}{%
7953 \bidi@ensure@newcommand*\{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3

```



```

7954 \hsize\textwidth
7955 \@@line{\ifRTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7956 \valign{##\vfill\cr\m@mdosplits}\ifRTLcolumnfootnotes\endR\fi}}
7957 }{%
7958 \bidi@ensure@newcommand*\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
7959 \@@line{\ifRTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7960 \valign{##\vfill\cr\m@mdosplits}\ifRTLcolumnfootnotes\endR\fi}}
7961 \bidi@ensure@newcommand*\m@mdosplits{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
7962 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
7963 \bidi@ensure@newcommand*\m@msplitoff{\dimen0=\ht0
7964 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
7965 \setbox2 \vsplit0 to \dimen0
7966 \unvbox2 }
7967 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
7968 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
7969 \let\@footnotetext\@twocolfootnotetext
7970 \let\@LTRfootnotetext\@twocolLTRfootnotetext
7971 \let\@RTLfootnotetext\@twocolRTLfootnotetext
7972 \dimen\footinsv@r=2\footinsdim
7973 \count\footinsv@r=500\relax
7974 \m@make@twocol@footgroup{v@r}%
7975 \let\@footgroupv@r\@twocol@footgroupv@r
7976 \let\@mpfootnotetext\@mptwocolfootnotetext
7977 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
7978 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
7979 \m@make@mptwocol@footgroup{v@r}%
7980 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
7981 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\ifRTL@footnote\@RTLtrue%
7982 \def\baselinestretch{\m@m@footnote@spacing}%
7983 \reset@font\foottextfont
7984 \@preamfntext
7985 \protected@edef\@currentlabel{%
7986 \csname p@footnote\endcsname\@thefnmark}%
7987 \color@begingroup
7988 \@twocolfootfmt{#1}%
7989 \color@endgroup}%
7990 \m@mmf@prepare}
7991 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\ifRTLcolumnfootnotes
7992 \def\baselinestretch{\m@m@footnote@spacing}%
7993 \reset@font\LTRfoottextfont
7994 \@preamfntext
7995 \protected@edef\@currentlabel{%
7996 \csname p@footnote\endcsname\@thefnmark}%
7997 \color@begingroup
7998 \@twocolLTRfootfmt{#1}%
7999 \color@endgroup}%
8000 \m@mmf@prepare}
8001 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8002 \def\baselinestretch{\m@m@footnote@spacing}%
8003 \reset@font\RTLfoottextfont

```



```

8004 \@preamfntext
8005 \protected@edef\@currentlabel{%
8006   \csname p@footnote\endcsname\@thefnmark}%
8007 \color@begingroup
8008   \@twocolRTLfootfmt{#1}%
8009 \color@endgroup}%
8010 \m@mmf@prepare}
8011 \bidi@ensure@newcommand{\@preamtwofmt}{%
8012   \hspace{.45\hspace}
8013   \parindent=\z@
8014   \tolerance=5000\relax
8015   \leavevmode}
8016 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8017   \@preamtwofmt
8018   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8019 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8020   \@preamtwofmt
8021   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8022 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8023   \@preamtwofmt
8024   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8025 \bidi@ensure@newcommand{\@emptwocolfootnotetext}[1]{%
8026   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8027     \unvbox\@mpfootinsv@r
8028     \def\baselinestretch{\m@mm@footnote@spacing}%
8029     \reset@font\foottextfont
8030     \hspace\columnwidth \@parboxrestore
8031     \protected@edef\@currentlabel{%
8032       \csname p@mpfootnote\endcsname\@thefnmark}%
8033     \color@begingroup
8034       \@twocolfootfmt{#1}%
8035     \color@endgroup}%
8036     \m@mmf@prepare}
8037 \bidi@ensure@newcommand{\@emptwocolLTRfootnotetext}[1]{%
8038   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8039     \unvbox\@mpfootinsv@r
8040     \def\baselinestretch{\m@mm@footnote@spacing}%
8041     \reset@font\LTRfoottextfont
8042     \hspace\columnwidth \@parboxrestore
8043     \if@RTLcolumnfootnotes\beginL\fi
8044     \protected@edef\@currentlabel{%
8045       \csname p@mpfootnote\endcsname\@thefnmark}%
8046     \color@begingroup
8047       \@twocolLTRfootfmt{#1}%
8048     \color@endgroup}%
8049     \m@mmf@prepare}
8050 \bidi@ensure@newcommand{\@emptwocolRTLfootnotetext}[1]{%
8051   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8052     \unvbox\@mpfootinsv@r
8053     \def\baselinestretch{\m@mm@footnote@spacing}%

```




```

8054 \reset@font\RTLfoottextfont
8055 \hsize\columnwidth \@parboxrestore
8056 \protected@edef\@currentlabel{%
8057 \csname p@mpfootnote\endcsname\@thefnmark}%
8058 \color@begingroup
8059 \@twocolRTLfootfmt{#1}%
8060 \color@endgroup}%
8061 \m@mmf@prepare}
8062 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8063 \m@make@twocolfootnotetext{#1}%
8064 \m@make@mptwocolfootnotetext{#1}%
8065 \m@make@twocolfootfmt{#1}%
8066 \m@make@twocol@footgroup{#1}%
8067 \m@make@mptwocol@footgroup{#1}%
8068 \m@make@footstart{#1}%
8069 \bidi@namelongdef{\footnotetext#1}##1{%
8070 \nameuse{\twocolfootnotetext#1}{##1}}%
8071 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8072 \nameuse{\mptwocolfootnotetext#1}{##1}}%
8073 \@namedef{\footgroup#1}{\nameuse{\twocol@footgroup#1}}%
8074 \@namedef{\mp@footgroup#1}{\nameuse{\mptwocol@footgroup#1}}%
8075 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8076 \expandafter\count\csname footins#1\endcsname=500\relax}
8077 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8078 \bidi@namelongdef{\twocolfootnotetext#1}##1{%
8079 \insert\nameuse{footins#1}{%
8080 \def\baselinestretch{\m@m@footnote@spacing}%
8081 \reset@font\nameuse{foottextfont#1}%
8082 \@preamfntext
8083 \protected@edef\@currentlabel{%
8084 \csname p@footnote#1\endcsname \nameuse{\thefnmark#1}}%
8085 \color@begingroup
8086 \nameuse{\twocolfootfmt#1}{##1}%
8087 \color@endgroup}%
8088 \m@mmf@prepare}}
8089 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8090 \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
8091 \global\setbox\nameuse{\mpfootins#1}\vbox{%
8092 \unvbox\nameuse{\mpfootins#1}
8093 \def\baselinestretch{\m@m@footnote@spacing}%
8094 \reset@font\nameuse{foottextfont#1}%
8095 \hsize\columnwidth \@parboxrestore
8096 \protected@edef\@currentlabel{%
8097 \csname p@mpfootnote#1\endcsname\nameuse{\thefnmark#1}}%
8098 \color@begingroup
8099 \nameuse{\twocolfootfmt#1}{##1}%
8100 \color@endgroup}\m@mmf@prepare}}
8101 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8102 \namedef{\twocolfootfmt#1}##1{%
8103 \preamtwofmt

```



```

8104     {\@nameuse{footfootmark#1}\strut
8105      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8106 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8107   \@namedef{@twocol@footgroup#1}{%
8108     \def\baselinestretch{\m@footnote@spacing}%
8109     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8110     \m@rigrigidbodybalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
8111 \bidi@ensure@newcommand{\m@make@mp@twocol@footgroup}[1]{%
8112   \@namedef{@mp@twocol@footgroup#1}{%
8113     \def\baselinestretch{\m@footnote@spacing}%
8114     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8115     \m@rigrigidbodybalance{\@nameuse{mp@footins#1}}{\tw@}{\splittopskip}}}%
8116 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8117   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8118   \let\@footnotetext\@threecolfootnotetext
8119   \let\@LTRfootnotetext\@threecolLTRfootnotetext
8120   \let\@RTLfootnotetext\@threecolRTLfootnotetext
8121   \dimen\footinsv@r=3\footinsdim
8122   \count\footinsv@r=333\relax
8123   \m@make@threecol@footgroup{v@r}%
8124   \let\@footgroupv@r\@threecol@footgroupv@r
8125   \let\@mpfootnotetext\@mpthreecolfootnotetext
8126   \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8127   \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8128   \m@make@mpthreecol@footgroup{v@r}%
8129   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8130 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8131   \def\baselinestretch{\m@footnote@spacing}%
8132   \reset@font\foottextfont
8133   \@preamfntext
8134   \protected@edef\@currentlabel{%
8135     \csname p@footnote\endcsname\@thefnmark}%
8136   \color@begingroup
8137     \@threecolfootfmt{#1}%
8138   \color@endgroup}\m@mmf@prepare}
8139 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8140   \def\baselinestretch{\m@footnote@spacing}%
8141   \reset@font\LTRfoottextfont
8142   \@preamfntext
8143   \protected@edef\@currentlabel{%
8144     \csname p@footnote\endcsname\@thefnmark}%
8145   \color@begingroup
8146     \@threecolLTRfootfmt{#1}%
8147   \color@endgroup}\m@mmf@prepare}
8148 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8149   \def\baselinestretch{\m@footnote@spacing}%
8150   \reset@font\RTLfoottextfont
8151   \@preamfntext
8152   \protected@edef\@currentlabel{%
8153     \csname p@footnote\endcsname\@thefnmark}%

```



```

8154 \color@begingroup
8155 \@threecolRTLfootfmt{#1}%
8156 \color@endgroup}\m@mmf@prepare}
8157 \bidi@ensure@newcommand{\@preamthreefmt}{%
8158 \hsize .3\hsize
8159 \parindent=\z@
8160 \tolerance=5000\relax
8161 \leavevmode}
8162 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8163 \@preamthreefmt
8164 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8165 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8166 \@preamthreefmt
8167 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8168 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8169 \@preamthreefmt
8170 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8171 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8172 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8173 \unvbox\@mpfootinsv@r
8174 \def\baselinestretch{\m@m@footnote@spacing}%
8175 \reset@font\foottextfont
8176 \hsize\columnwidth \@parboxrestore
8177 \protected@edef\@currentlabel{%
8178 \csname p@mpfootnote\endcsname\@thefnmark}%
8179 \color@begingroup
8180 \@threecolfootfmt{#1}%
8181 \color@endgroup}\m@mmf@prepare}
8182 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8183 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8184 \unvbox\@mpfootinsv@r
8185 \def\baselinestretch{\m@m@footnote@spacing}%
8186 \reset@font\LTRfoottextfont
8187 \hsize\columnwidth \@parboxrestore
8188 \if@RTLcolumnfootnotes\beginL\fi
8189 \protected@edef\@currentlabel{%
8190 \csname p@mpfootnote\endcsname\@thefnmark}%
8191 \color@begingroup
8192 \@threecolLTRfootfmt{#1}%
8193 \color@endgroup}\m@mmf@prepare}
8194 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8195 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8196 \unvbox\@mpfootinsv@r
8197 \def\baselinestretch{\m@m@footnote@spacing}%
8198 \reset@font\RTLfoottextfont
8199 \hsize\columnwidth \@parboxrestore
8200 \protected@edef\@currentlabel{%
8201 \csname p@mpfootnote\endcsname\@thefnmark}%
8202 \color@begingroup
8203 \@threecolRTLfootfmt{#1}%

```



```

8204 \color@endgroup}\m@mmf@prepare}
8205 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8206 \m@make@threecolfootnotetext{#1}%
8207 \m@make@mpthreecolfootnotetext{#1}%
8208 \m@make@threecolfootfmt{#1}%
8209 \m@make@threecol@footgroup{#1}%
8210 \m@make@mpthreecol@footgroup{#1}%
8211 \m@make@footstart{#1}%
8212 \bidi@namelongdef{@footnotetext#1}##1{%
8213 \@nameuse{@threecolfootnotetext#1}{##1}}%
8214 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8215 \@nameuse{@mpthreecolfootnotetext#1}{##1}}%
8216 \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
8217 \@namedef{mp@footgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
8218 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8219 \expandafter\count\csname footins#1\endcsname=333\relax}
8220 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8221 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
8222 \insert\@nameuse{footins#1}{%
8223 \def\baselinestretch{\m@m@footnote@spacing}%
8224 \reset@font\@nameuse{foottextfont#1}%
8225 \@preamfntext
8226 \protected@edef\@currentlabel{%
8227 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8228 \color@begingroup
8229 \@nameuse{@threecolfootfmt#1}{##1}%
8230 \color@endgroup}\m@mmf@prepare}}
8231 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8232 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
8233 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8234 \unvbox\@nameuse{@mpfootins#1}
8235 \def\baselinestretch{\m@m@footnote@spacing}%
8236 \reset@font\@nameuse{foottextfont#1}%
8237 \hsize\columnwidth \@parboxrestore
8238 \protected@edef\@currentlabel{%
8239 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8240 \color@begingroup
8241 \@nameuse{@threecolfootfmt#1}{##1}%
8242 \color@endgroup}\m@mmf@prepare}}
8243 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8244 \bidi@namelongdef{@threecolfootfmt#1}##1{%
8245 \@preamthrefmt
8246 {\@nameuse{footfootmark#1}\strut
8247 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8248 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8249 \@namedef{@threecol@footgroup#1}{%
8250 \def\baselinestretch{\m@m@footnote@spacing}%
8251 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8252 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}%
8253 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%

```



```

8254 \@namedef{@mpthreecol@footgroup#1}{%
8255   \def\baselinestretch{\m@m@footnote@spacing}%
8256   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8257   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}%
8258 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8259   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8260   \let\@footnotetext\@fourcolfootnotetext
8261   \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8262   \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8263   \dimen\footinsv@r=4\footinsdim
8264   \count\footinsv@r=250\relax
8265   \m@make@fourcol@footgroup{v@r}%
8266   \let\@footgroupv@r\@fourcol@footgroupv@r
8267   \let\@mpfootnotetext\@mpfourcolfootnotetext
8268   \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8269   \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8270   \m@make@mpfourcol@footgroup{v@r}%
8271   \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8272 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8273   \def\baselinestretch{\m@m@footnote@spacing}%
8274   \reset@font\foottextfont
8275   \@preamfntext
8276   \protected@edef\@currentlabel{%
8277     \csname p@footnote\endcsname\@thefnmark}%
8278   \color@begingroup
8279     \@fourcolfootfmt{#1}%
8280   \color@endgroup}%
8281   \m@mmf@prepare}
8282 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8283   \def\baselinestretch{\m@m@footnote@spacing}%
8284   \reset@font\LTRfoottextfont
8285   \@preamfntext
8286   \protected@edef\@currentlabel{%
8287     \csname p@footnote\endcsname\@thefnmark}%
8288   \color@begingroup
8289     \@fourcolLTRfootfmt{#1}%
8290   \color@endgroup}%
8291   \m@mmf@prepare}
8292 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8293   \def\baselinestretch{\m@m@footnote@spacing}%
8294   \reset@font\RTLfoottextfont
8295   \@preamfntext
8296   \protected@edef\@currentlabel{%
8297     \csname p@footnote\endcsname\@thefnmark}%
8298   \color@begingroup
8299     \@fourcolRTLfootfmt{#1}%
8300   \color@endgroup}%
8301   \m@mmf@prepare}
8302 \bidi@ensure@newcommand{\@preamfourfmt}{%
8303   \hspace{.25\hspace}

```



```

8304 \parindent=\z@
8305 \tolerance=5000\relax
8306 \leavevmode}
8307 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8308 \@preamfourfmt
8309 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8310 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8311 \@preamfourfmt
8312 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8313 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8314 \@preamfourfmt
8315 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8316 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8317 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8318 \unvbox\@mpfootinsv@r
8319 \def\baselinestretch{\m@m@footnote@spacing}%
8320 \reset@font\foottextfont
8321 \hsize\columnwidth \@parboxrestore
8322 \protected@edef\@currentlabel{%
8323 \csname p@mpfootnote\endcsname\@thefnmark}%
8324 \color@begingroup
8325 \@fourcolfootfmt{#1}%
8326 \color@endgroup}%
8327 \m@m@mmf@prepare}
8328 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8329 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8330 \unvbox\@mpfootinsv@r
8331 \def\baselinestretch{\m@m@footnote@spacing}%
8332 \reset@font\LTRfoottextfont
8333 \hsize\columnwidth \@parboxrestore
8334 \if@RTLcolumnfootnotes\beginL\fi
8335 \protected@edef\@currentlabel{%
8336 \csname p@mpfootnote\endcsname\@thefnmark}%
8337 \color@begingroup
8338 \@fourcolLTRfootfmt{#1}%
8339 \color@endgroup}%
8340 \m@m@mmf@prepare}
8341 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8342 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8343 \unvbox\@mpfootinsv@r
8344 \def\baselinestretch{\m@m@footnote@spacing}%
8345 \reset@font\RTLfoottextfont
8346 \hsize\columnwidth \@parboxrestore
8347 \protected@edef\@currentlabel{%
8348 \csname p@mpfootnote\endcsname\@thefnmark}%
8349 \color@begingroup
8350 \@fourcolRTLfootfmt{#1}%
8351 \color@endgroup}%
8352 \m@m@mmf@prepare}
8353 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%

```



```

8354 \m@make@fourcolfootnotetext{#1}%
8355 \m@make@mpfourcolfootnotetext{#1}%
8356 \m@make@fourcolfootfmt{#1}%
8357 \m@make@fourcol@footgroup{#1}%
8358 \m@make@mpfourcol@footgroup{#1}%
8359 \m@make@footstart{#1}%
8360 \bidi@namelongdef{@footnotetext#1}##1{%
8361     \@nameuse{@fourcolfootnotetext#1}{##1}}%
8362 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8363     \@nameuse{@mpfourcolfootnotetext#1}{##1}}%
8364 \@namedef{@footgroup#1}{\@nameuse{@fourcol@footgroup#1}}%
8365 \@namedef{@mp@footgroup#1}{\@nameuse{@mpfourcol@footgroup#1}}%
8366 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8367 \expandafter\count\csname footins#1\endcsname=500\relax}
8368 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8369     \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
8370         \insert\@nameuse{footins#1}{%
8371             \def\baselinestretch{\m@m@footnote@spacing}%
8372             \reset@font\@nameuse{foottextfont#1}%
8373             \@preamfntext
8374             \protected@edef\@currentlabel{%
8375                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8376             \color@begingroup
8377                 \@nameuse{@fourcolfootfmt#1}{##1}%
8378             \color@endgroup}%
8379             \m@mmf@prepare}}
8380 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8381     \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
8382         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8383             \unvbox\@nameuse{@mpfootins#1}
8384             \def\baselinestretch{\m@m@footnote@spacing}%
8385             \reset@font\@nameuse{foottextfont#1}%
8386             \hsize\columnwidth \@parboxrestore
8387             \protected@edef\@currentlabel{%
8388                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8389             \color@begingroup
8390                 \@nameuse{@fourcolfootfmt#1}{##1}%
8391             \color@endgroup}\m@mmf@prepare}}
8392 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8393     \@namedef{@fourcolfootfmt#1}##1{%
8394         \@preamfourfmt
8395         {\@nameuse{footfootmark#1}\strut
8396         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8397 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8398     \@namedef{@fourcol@footgroup#1}{%
8399         \def\baselinestretch{\m@m@footnote@spacing}%
8400         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8401         \m@mrigrigidbodybalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
8402 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8403     \@namedef{@mpfourcol@footgroup#1}{%

```




```

8404 \def\baselinestretch{\m@m@footnote@spacing}%
8405 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8406 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
8407 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8408 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8409 \let\@footnotetext\@fivecolfootnotetext
8410 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8411 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8412 \dimen\footinsv@r=5\footinsdim
8413 \count\footinsv@r=200\relax
8414 \m@make@fivecol@footgroup{v@r}%
8415 \let\@footgroupv@r\@fivecol@footgroupv@r
8416 \let\@mpfootnotetext\@mpfivecolfootnotetext
8417 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8418 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8419 \m@make@mpfivecol@footgroup{v@r}%
8420 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
8421 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8422 \def\baselinestretch{\m@m@footnote@spacing}%
8423 \reset@font\foottextfont
8424 \@preamfntext
8425 \protected@edef\@currentlabel{%
8426 \csname p@footnote\endcsname\@thefnmark}%
8427 \color@begingroup
8428 \@fivecolfootfmt{#1}%
8429 \color@endgroup}%
8430 \m@mmf@prepare}
8431 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8432 \def\baselinestretch{\m@m@footnote@spacing}%
8433 \reset@font\LTRfoottextfont
8434 \@preamfntext
8435 \protected@edef\@currentlabel{%
8436 \csname p@footnote\endcsname\@thefnmark}%
8437 \color@begingroup
8438 \@fivecolLTRfootfmt{#1}%
8439 \color@endgroup}%
8440 \m@mmf@prepare}
8441 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8442 \def\baselinestretch{\m@m@footnote@spacing}%
8443 \reset@font\RTLfoottextfont
8444 \@preamfntext
8445 \protected@edef\@currentlabel{%
8446 \csname p@footnote\endcsname\@thefnmark}%
8447 \color@begingroup
8448 \@fivecolRTLfootfmt{#1}%
8449 \color@endgroup}%
8450 \m@mmf@prepare}
8451 \bidi@ensure@newcommand{\@preamfivefmt}{%
8452 \hspace{.2\hspace}
8453 \parindent=\z@

```




```

8454 \tolerance=5000\relax
8455 \leavevmode}
8456 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8457 \@preamfivefmt
8458 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8459 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8460 \@preamfivefmt
8461 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8462 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8463 \@preamfivefmt
8464 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8465 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8466 \global\setbox\@mpfootinsv\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8467 \unvbox\@mpfootinsv\@r
8468 \def\baselinestretch{\m@m@footnote@spacing}%
8469 \reset@font\foottextfont
8470 \hsize\columnwidth \@parboxrestore
8471 \protected@edef\@currentlabel{%
8472 \csname p@mpfootnote\endcsname\@thefnmark}%
8473 \color@begingroup
8474 \@fivecolfootfmt{#1}%
8475 \color@endgroup}%
8476 \m@m@mmf@prepare}
8477 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8478 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLfalse%
8479 \unvbox\@mpfootinsv\@r
8480 \def\baselinestretch{\m@m@footnote@spacing}%
8481 \reset@font\LTRfoottextfont
8482 \hsize\columnwidth \@parboxrestore
8483 \if@RTLcolumnfootnotes\beginL\fi
8484 \protected@edef\@currentlabel{%
8485 \csname p@mpfootnote\endcsname\@thefnmark}%
8486 \color@begingroup
8487 \@fivecolLTRfootfmt{#1}%
8488 \color@endgroup}%
8489 \m@m@mmf@prepare}
8490 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8491 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLtrue%
8492 \unvbox\@mpfootinsv\@r
8493 \def\baselinestretch{\m@m@footnote@spacing}%
8494 \reset@font\RTLfoottextfont
8495 \hsize\columnwidth \@parboxrestore
8496 \protected@edef\@currentlabel{%
8497 \csname p@mpfootnote\endcsname\@thefnmark}%
8498 \color@begingroup
8499 \@fivecolRTLfootfmt{#1}%
8500 \color@endgroup}%
8501 \m@m@mmf@prepare}
8502 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8503 \m@make@fivecolfootnotetext{#1}%

```



```

8504 \m@make@mpfivecolfootnotetext{#1}%
8505 \m@make@fivecolfootfmt{#1}%
8506 \m@make@fivecol@footgroup{#1}%
8507 \m@make@mpfivecol@footgroup{#1}%
8508 \m@make@footstart{#1}%
8509 \bidi@namelongdef{@footnotetext#1}##1{%
8510     \@nameuse{@fivecolfootnotetext#1}{##1}}%
8511 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8512     \@nameuse{@mpfivecolfootnotetext#1}{##1}}%
8513 \@namedef{@footgroup#1}{\@nameuse{@fivecol@footgroup#1}}%
8514 \@namedef{mp@footgroup#1}{\@nameuse{@mpfivecol@footgroup#1}}%
8515 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8516 \expandafter\count\csname footins#1\endcsname=500\relax}
8517 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8518     \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
8519         \insert\@nameuse{footins#1}{%
8520             \def\baselinestretch{\m@m@footnote@spacing}%
8521             \reset@font\@nameuse{foottextfont#1}%
8522             \@preamfntext
8523             \protected@edef\@currentlabel{%
8524                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8525             \color@begingroup
8526                 \@nameuse{@fivecolfootfmt#1}{##1}%
8527             \color@endgroup}%
8528             \m@m@mmf@prepare}}
8529 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8530     \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
8531         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8532             \unvbox\@nameuse{@mpfootins#1}
8533             \def\baselinestretch{\m@m@footnote@spacing}%
8534             \reset@font\@nameuse{foottextfont#1}%
8535             \hsize\columnwidth \@parboxrestore
8536             \protected@edef\@currentlabel{%
8537                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8538             \color@begingroup
8539                 \@nameuse{@fivecolfootfmt#1}{##1}%
8540             \color@endgroup}\m@m@mmf@prepare}}
8541 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8542     \@namedef{@fivecolfootfmt#1}##1{%
8543         \@preamfivefmt
8544         {\@nameuse{footfootmark#1}\strut
8545             {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8546 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8547     \@namedef{@fivecol@footgroup#1}{%
8548         \def\baselinestretch{\m@m@footnote@spacing}%
8549         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8550         \m@m@rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
8551 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8552     \@namedef{@mpfivecol@footgroup#1}{%
8553         \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8554 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8555 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
8556 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8557 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8558 \let\@footnotetext\@sixcolfootnotetext
8559 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8560 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8561 \dimen\footinsv@r=6\footinsdim
8562 \count\footinsv@r=166\relax
8563 \m@make@sixcol@footgroup{v@r}%
8564 \let\@footgroupv@r\@sixcol@footgroupv@r
8565 \let\@mpfootnotetext\@mpsixcolfootnotetext
8566 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8567 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8568 \m@make@mpsixcol@footgroup{v@r}%
8569 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
8570 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8571 \def\baselinestretch{\m@m@footnote@spacing}%
8572 \reset@font\foottextfont
8573 \@preamfntext
8574 \protected@edef\@currentlabel{%
8575 \csname p@footnote\endcsname\@thefnmark}%
8576 \color@begingroup
8577 \@sixcolfootfmt{#1}%
8578 \color@endgroup}%
8579 \m@mmf@prepare}
8580 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8581 \def\baselinestretch{\m@m@footnote@spacing}%
8582 \reset@font\LTRfoottextfont
8583 \@preamfntext
8584 \protected@edef\@currentlabel{%
8585 \csname p@footnote\endcsname\@thefnmark}%
8586 \color@begingroup
8587 \@sixcolLTRfootfmt{#1}%
8588 \color@endgroup}%
8589 \m@mmf@prepare}
8590 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8591 \def\baselinestretch{\m@m@footnote@spacing}%
8592 \reset@font\RTLfoottextfont
8593 \@preamfntext
8594 \protected@edef\@currentlabel{%
8595 \csname p@footnote\endcsname\@thefnmark}%
8596 \color@begingroup
8597 \@sixcolRTLfootfmt{#1}%
8598 \color@endgroup}%
8599 \m@mmf@prepare}
8600 \bidi@ensure@newcommand{\@preamsixfmt}{%
8601 \hsize .16\hsize
8602 \parindent=\z@
8603 \tolerance=5000\relax

```



```

8604 \leavevmode}
8605 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8606 \@preamsixfmt
8607 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8608 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8609 \@preamsixfmt
8610 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8611 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8612 \@preamsixfmt
8613 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8614 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}%
8615 \global\setbox\@mpfootinsv@r\vbox{%
8616 \unvbox\@mpfootinsv@r
8617 \def\baselinestretch{\m@m@footnote@spacing}%
8618 \reset@font\foottextfont
8619 \hsize\columnwidth \@parboxrestore
8620 \protected@edef\@currentlabel{%
8621 \csname p@mpfootnote\endcsname\@thefnmark}%
8622 \color@begingroup
8623 \@sixcolfootfmt{#1}%
8624 \color@endgroup}%
8625 \m@mmf@prepare}
8626 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse}%
8627 \global\setbox\@mpfootinsv@r\vbox{%
8628 \unvbox\@mpfootinsv@r
8629 \def\baselinestretch{\m@m@footnote@spacing}%
8630 \reset@font\LTRfoottextfont
8631 \hsize\columnwidth \@parboxrestore
8632 \if@RTLcolumnfootnotes\beginL\fi
8633 \protected@edef\@currentlabel{%
8634 \csname p@mpfootnote\endcsname\@thefnmark}%
8635 \color@begingroup
8636 \@sixcolLTRfootfmt{#1}%
8637 \color@endgroup}%
8638 \m@mmf@prepare}
8639 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue}%
8640 \global\setbox\@mpfootinsv@r\vbox{%
8641 \unvbox\@mpfootinsv@r
8642 \def\baselinestretch{\m@m@footnote@spacing}%
8643 \reset@font\RTLfoottextfont
8644 \hsize\columnwidth \@parboxrestore
8645 \protected@edef\@currentlabel{%
8646 \csname p@mpfootnote\endcsname\@thefnmark}%
8647 \color@begingroup
8648 \@sixcolRTLfootfmt{#1}%
8649 \color@endgroup}%
8650 \m@mmf@prepare}
8651 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8652 \m@make@sixcolfootnotetext{#1}%
8653 \m@make@mpsixcolfootnotetext{#1}%

```



```

8654 \m@make@sixcolfootfmt{#1}%
8655 \m@make@sixcol@footgroup{#1}%
8656 \m@make@mpsixcol@footgroup{#1}%
8657 \m@make@footstart{#1}%
8658 \bidi@namelongdef{@footnotetext#1}##1{%
8659     \@nameuse{@sixcolfootnotetext#1}{##1}}%
8660 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8661     \@nameuse{@mpsixcolfootnotetext#1}{##1}}%
8662 \@namedef{@footgroup#1}{\@nameuse{@sixcol@footgroup#1}}%
8663 \@namedef{@mp@footgroup#1}{\@nameuse{@mpsixcol@footgroup#1}}%
8664 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8665 \expandafter\count\csname footins#1\endcsname=500\relax}
8666 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
8667     \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
8668         \insert\@nameuse{footins#1}{%
8669             \def\baselinestretch{\m@m@footnote@spacing}%
8670             \reset@font\@nameuse{foottextfont#1}%
8671             \@preamfntext
8672             \protected@edef\@currentlabel{%
8673                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8674             \color@begingroup
8675                 \@nameuse{@sixcolfootfmt#1}{##1}%
8676             \color@endgroup}%
8677             \m@m@mmf@prepare}}
8678 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
8679     \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
8680         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8681             \unvbox\@nameuse{@mpfootins#1}
8682             \def\baselinestretch{\m@m@footnote@spacing}%
8683             \reset@font\@nameuse{foottextfont#1}%
8684             \hsize\columnwidth \@parboxrestore
8685             \protected@edef\@currentlabel{%
8686                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8687             \color@begingroup
8688                 \@nameuse{@sixcolfootfmt#1}{##1}%
8689             \color@endgroup}\m@m@mmf@prepare}}
8690 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
8691     \@namedef{@sixcolfootfmt#1}##1{%
8692         \@preamsixfmt
8693         {\@nameuse{footfootmark#1}\strut
8694         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8695 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
8696     \@namedef{@sixcol@footgroup#1}{%
8697         \def\baselinestretch{\m@m@footnote@spacing}%
8698         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8699         \m@m@r@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
8700 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
8701     \@namedef{@mpsixcol@footgroup#1}{%
8702         \def\baselinestretch{\m@m@footnote@spacing}%
8703         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

8704 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}}
8705 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
8706 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8707 \let\@footnotetext\@sevendcolfootnotetext
8708 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
8709 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
8710 \dimen\footinsv@r=7\footinsdim
8711 \count\footinsv@r=142\relax
8712 \m@make@sevendcol@footgroup{v@r}%
8713 \let\@footgroupv@r\@sevendcol@footgroupv@r
8714 \let\@mpfootnotetext\@mpsevendcolfootnotetext
8715 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
8716 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
8717 \m@make@mpsevendcol@footgroup{v@r}%
8718 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
8719 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8720 \def\baselinestretch{\m@m@footnote@spacing}%
8721 \reset@font\foottextfont
8722 \@preamfntext
8723 \protected@edef\@currentlabel{%
8724 \csname p@footnote\endcsname\@thefnmark}%
8725 \color@begingroup
8726 \@sevendcolfootfmt{#1}%
8727 \color@endgroup}%
8728 \m@mmf@prepare}
8729 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8730 \def\baselinestretch{\m@m@footnote@spacing}%
8731 \reset@font\LTRfoottextfont
8732 \@preamfntext
8733 \protected@edef\@currentlabel{%
8734 \csname p@footnote\endcsname\@thefnmark}%
8735 \color@begingroup
8736 \@sevendcolLTRfootfmt{#1}%
8737 \color@endgroup}%
8738 \m@mmf@prepare}
8739 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8740 \def\baselinestretch{\m@m@footnote@spacing}%
8741 \reset@font\RTLfoottextfont
8742 \@preamfntext
8743 \protected@edef\@currentlabel{%
8744 \csname p@footnote\endcsname\@thefnmark}%
8745 \color@begingroup
8746 \@sevendcolRTLfootfmt{#1}%
8747 \color@endgroup}%
8748 \m@mmf@prepare}
8749 \bidi@ensure@newcommand{\@preamsevenfmt}{%
8750 \hspace{.142\hspace}
8751 \parindent=\z@
8752 \tolerance=5000\relax
8753 \leavevmode}

```



```

8754 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
8755   \@preamsevenfmt
8756   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8757 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
8758   \@preamsevenfmt
8759   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8760 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
8761   \@preamsevenfmt
8762   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8763 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
8764   \global\setbox\@mpfootinsv@r\vbox{%
8765     \unvbox\@mpfootinsv@r
8766     \def\baselinestretch{\m@m@footnote@spacing}%
8767     \reset@font\foottextfont
8768     \hsize\columnwidth \@parboxrestore
8769     \protected@edef\@currentlabel{%
8770       \csname p@mpfootnote\endcsname\@thefnmark}%
8771     \color@begingroup
8772       \@sevendcolfootfmt{#1}%
8773     \color@endgroup}%
8774   \m@mmf@prepare}
8775 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
8776   \global\setbox\@mpfootinsv@r\vbox{%
8777     \unvbox\@mpfootinsv@r
8778     \def\baselinestretch{\m@m@footnote@spacing}%
8779     \reset@font\LTRfoottextfont
8780     \hsize\columnwidth \@parboxrestore
8781     \if@RTLcolumnfootnotes\beginL\fi
8782     \protected@edef\@currentlabel{%
8783       \csname p@mpfootnote\endcsname\@thefnmark}%
8784     \color@begingroup
8785       \@sevendcolLTRfootfmt{#1}%
8786     \color@endgroup}%
8787   \m@mmf@prepare}
8788 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
8789   \global\setbox\@mpfootinsv@r\vbox{%
8790     \unvbox\@mpfootinsv@r
8791     \def\baselinestretch{\m@m@footnote@spacing}%
8792     \reset@font\RTLfoottextfont
8793     \hsize\columnwidth \@parboxrestore
8794     \protected@edef\@currentlabel{%
8795       \csname p@mpfootnote\endcsname\@thefnmark}%
8796     \color@begingroup
8797       \@sevendcolRTLfootfmt{#1}%
8798     \color@endgroup}%
8799   \m@mmf@prepare}
8800 \bidi@ensure@newcommand{\sevendcolumnfootstyle}[1]{%
8801   \m@make@sevendcolfootnotetext{#1}%
8802   \m@make@mpsevendcolfootnotetext{#1}%
8803   \m@make@sevendcolfootfmt{#1}%

```




```

8804 \m@make@sevenscol@footgroup{#1}%
8805 \m@make@mpsevenscol@footgroup{#1}%
8806 \m@make@footstart{#1}%
8807 \bidi@namelongdef{@footnotetext#1}##1{%
8808     \@nameuse{@sevenscolfootnotetext#1}{##1}}%
8809 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8810     \@nameuse{@mpsevenscolfootnotetext#1}{##1}}%
8811 \@namedef{@footgroup#1}{\@nameuse{@sevenscol@footgroup#1}}%
8812 \@namedef{mp@footgroup#1}{\@nameuse{@mpsevenscol@footgroup#1}}%
8813 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8814 \expandafter\count\csname footins#1\endcsname=500\relax
8815 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
8816     \bidi@namelongdef{@sevenscolfootnotetext#1}##1{%
8817         \insert\@nameuse{footins#1}{%
8818             \def\baselinestretch{\m@m@footnote@spacing}%
8819             \reset@font\@nameuse{foottextfont#1}%
8820             \@preamfntext
8821             \protected@edef\@currentlabel{%
8822                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8823             \color@begingroup
8824                 \@nameuse{@sevenscolfootfmt#1}{##1}%
8825             \color@endgroup}%
8826             \m@mmf@prepare}}
8827 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
8828     \bidi@namelongdef{@mpsevenscolfootnotetext#1}##1{%
8829         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8830             \unvbox\@nameuse{@mpfootins#1}
8831             \def\baselinestretch{\m@m@footnote@spacing}%
8832             \reset@font\@nameuse{foottextfont#1}%
8833             \hsize\columnwidth \@parboxrestore
8834             \protected@edef\@currentlabel{%
8835                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8836             \color@begingroup
8837                 \@nameuse{@sevenscolfootfmt#1}{##1}%
8838             \color@endgroup}\m@mmf@prepare}}
8839 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
8840     \@namedef{@sevenscolfootfmt#1}##1{%
8841         \@preamsevenfmt
8842         {\@nameuse{footfootmark#1}}\strut
8843         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8844 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
8845     \@namedef{@sevenscol@footgroup#1}{%
8846         \def\baselinestretch{\m@m@footnote@spacing}%
8847         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8848         \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
8849 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
8850     \@namedef{@mpsevenscol@footgroup#1}{%
8851         \def\baselinestretch{\m@m@footnote@spacing}%
8852         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8853         \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}

```




```

8854 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
8855 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8856 \let\@footnotetext\@eightcolfootnotetext
8857 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
8858 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
8859 \dimen\footinsv@r=8\footinsdim
8860 \count\footinsv@r=125\relax
8861 \m@make@eightcol@footgroup{v@r}%
8862 \let\@footgroupv@r\@eightcol@footgroupv@r
8863 \let\@mpfootnotetext\@mpeightcolfootnotetext
8864 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
8865 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
8866 \m@make@mpeightcol@footgroup{v@r}%
8867 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
8868 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8869 \def\baselinestretch{\m@m@footnote@spacing}%
8870 \reset@font\foottextfont
8871 \@preamfntext
8872 \protected@edef\@currentlabel{%
8873 \csname p@footnote\endcsname\@thefnmark}%
8874 \color@begingroup
8875 \@eightcolfootfmt{#1}%
8876 \color@endgroup}%
8877 \m@mmf@prepare}
8878 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8879 \def\baselinestretch{\m@m@footnote@spacing}%
8880 \reset@font\LTRfoottextfont
8881 \@preamfntext
8882 \protected@edef\@currentlabel{%
8883 \csname p@footnote\endcsname\@thefnmark}%
8884 \color@begingroup
8885 \@eightcolLTRfootfmt{#1}%
8886 \color@endgroup}%
8887 \m@mmf@prepare}
8888 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\if@RTLtrue%
8889 \def\baselinestretch{\m@m@footnote@spacing}%
8890 \reset@font\RTLfoottextfont
8891 \@preamfntext
8892 \protected@edef\@currentlabel{%
8893 \csname p@footnote\endcsname\@thefnmark}%
8894 \color@begingroup
8895 \@eightcolRTLfootfmt{#1}%
8896 \color@endgroup}%
8897 \m@mmf@prepare}
8898 \bidi@ensure@newcommand{\@preameightfmt}{%
8899 \hsize .125\hsize
8900 \parindent=\z@
8901 \tolerance=5000\relax
8902 \leavevmode}
8903 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%

```



```

8904 \@preameightfmt
8905 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8906 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
8907 \@preameightfmt
8908 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8909 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
8910 \@preameightfmt
8911 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8912 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
8913 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8914 \unvbox\@mpfootinsv@r
8915 \def\baselinestretch{\m@m@footnote@spacing}%
8916 \reset@font\foottextfont
8917 \hsize\columnwidth \@parboxrestore
8918 \protected@edef\@currentlabel{%
8919 \csname p@mpfootnote\endcsname\@thefnmark}%
8920 \color@begingroup
8921 \@eightcolfootfmt{#1}%
8922 \color@endgroup}%
8923 \m@mmf@prepare}
8924 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
8925 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8926 \unvbox\@mpfootinsv@r
8927 \def\baselinestretch{\m@m@footnote@spacing}%
8928 \reset@font\LTRfoottextfont
8929 \hsize\columnwidth \@parboxrestore
8930 \if@RTLcolumnfootnotes\beginL\fi
8931 \protected@edef\@currentlabel{%
8932 \csname p@mpfootnote\endcsname\@thefnmark}%
8933 \color@begingroup
8934 \@eightcolLTRfootfmt{#1}%
8935 \color@endgroup}%
8936 \m@mmf@prepare}
8937 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
8938 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8939 \unvbox\@mpfootinsv@r
8940 \def\baselinestretch{\m@m@footnote@spacing}%
8941 \reset@font\RTLfoottextfont
8942 \hsize\columnwidth \@parboxrestore
8943 \protected@edef\@currentlabel{%
8944 \csname p@mpfootnote\endcsname\@thefnmark}%
8945 \color@begingroup
8946 \@eightcolRTLfootfmt{#1}%
8947 \color@endgroup}%
8948 \m@mmf@prepare}
8949 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
8950 \m@make@eightcolfootnotetext{#1}%
8951 \m@make@mpeightcolfootnotetext{#1}%
8952 \m@make@eightcolfootfmt{#1}%
8953 \m@make@eightcol@footgroup{#1}%

```



```

8954 \m@make@mpeightcol@footgroup{#1}%
8955 \m@make@footstart{#1}%
8956 \bidi@namelongdef{@footnotetext#1}##1{%
8957   \@nameuse{@eightcolfootnotetext#1}{##1}}%
8958 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8959   \@nameuse{@mpeightcolfootnotetext#1}{##1}}%
8960 \@namedef{@footgroup#1}{\@nameuse{@eightcol@footgroup#1}}%
8961 \@namedef{mp@footgroup#1}{\@nameuse{@mpeightcol@footgroup#1}}%
8962 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8963 \expandafter\count\csname footins#1\endcsname=500\relax}
8964 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
8965   \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
8966     \insert\@nameuse{footins#1}{%
8967       \def\baselinestretch{\m@m@footnote@spacing}%
8968       \reset@font\@nameuse{foottextfont#1}%
8969       \@preamfntext
8970       \protected@edef\@currentlabel{%
8971         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8972       \color@begingroup
8973       \@nameuse{@eightcolfootfmt#1}{##1}%
8974       \color@endgroup}%
8975       \m@m@mmf@prepare}}
8976 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
8977   \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
8978     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8979       \unvbox\@nameuse{@mpfootins#1}
8980       \def\baselinestretch{\m@m@footnote@spacing}%
8981       \reset@font\@nameuse{foottextfont#1}%
8982       \hsize\columnwidth \@parboxrestore
8983       \protected@edef\@currentlabel{%
8984         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8985       \color@begingroup
8986       \@nameuse{@eightcolfootfmt#1}{##1}%
8987       \color@endgroup}\m@m@mmf@prepare}}
8988 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
8989   \@namedef{@eightcolfootfmt#1}##1{%
8990     \@preameightfmt
8991     {\@nameuse{footfootmark#1}\strut
8992       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8993 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
8994   \@namedef{@eightcol@footgroup#1}{%
8995     \def\baselinestretch{\m@m@footnote@spacing}%
8996     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8997     \m@m@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
8998 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
8999   \@namedef{@mpeightcol@footgroup#1}{%
9000     \def\baselinestretch{\m@m@footnote@spacing}%
9001     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9002     \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
9003 \bidi@ensure@newcommand{\necolumnfootnotes}{%

```



```

9004 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9005 \let\@footnotetext\@ninecolfootnotetext
9006 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9007 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9008 \dimen\footinsv@r=9\footinsdim
9009 \count\footinsv@r=111\relax
9010 \m@make@ninecol@footgroup{v@r}%
9011 \let\@footgroupv@r\@ninecol@footgroupv@r
9012 \let\@mpfootnotetext\@mpninecolfootnotetext
9013 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9014 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9015 \m@make@mpninecol@footgroup{v@r}%
9016 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
9017 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9018 \def\baselinestretch{\m@m@footnote@spacing}%
9019 \reset@font\foottextfont
9020 \@preamfntext
9021 \protected@edef\@currentlabel{%
9022   \csname p@footnote\endcsname\@thefnmark}%
9023 \color@begingroup
9024   \@ninecolfootfmt{#1}%
9025 \color@endgroup}%
9026 \m@mmf@prepare}
9027 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9028 \def\baselinestretch{\m@m@footnote@spacing}%
9029 \reset@font\LTRfoottextfont
9030 \@preamfntext
9031 \protected@edef\@currentlabel{%
9032   \csname p@footnote\endcsname\@thefnmark}%
9033 \color@begingroup
9034   \@ninecolLTRfootfmt{#1}%
9035 \color@endgroup}%
9036 \m@mmf@prepare}
9037 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9038 \def\baselinestretch{\m@m@footnote@spacing}%
9039 \reset@font\RTLfoottextfont
9040 \@preamfntext
9041 \protected@edef\@currentlabel{%
9042   \csname p@footnote\endcsname\@thefnmark}%
9043 \color@begingroup
9044   \@ninecolRTLfootfmt{#1}%
9045 \color@endgroup}%
9046 \m@mmf@prepare}
9047 \bidi@ensure@newcommand{\@preamninefmt}{%
9048 \hsize .1\hsize
9049 \parindent=\z@
9050 \tolerance=5000\relax
9051 \leavevmode}
9052 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9053 \@preamninefmt

```



```

9054 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9055 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9056   \@preamninefmt
9057   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9058 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9059   \@preamninefmt
9060   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9061 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9062   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9063     \unvbox\@mpfootinsv@r
9064     \def\baselinestretch{\m@m@footnote@spacing}%
9065     \reset@font\foottextfont
9066     \hsize\columnwidth \@parboxrestore
9067     \protected@edef\@currentlabel{%
9068       \csname p@mpfootnote\endcsname\@thefnmark}%
9069   \color@begingroup
9070     \@ninecolfootfmt{#1}%
9071   \color@endgroup}%
9072   \m@mmf@prepare}
9073 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9074   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9075     \unvbox\@mpfootinsv@r
9076     \def\baselinestretch{\m@m@footnote@spacing}%
9077     \reset@font\LTRfoottextfont
9078     \hsize\columnwidth \@parboxrestore
9079     \if@RTLcolumnfootnotes\beginL\fi
9080     \protected@edef\@currentlabel{%
9081       \csname p@mpfootnote\endcsname\@thefnmark}%
9082   \color@begingroup
9083     \@ninecolLTRfootfmt{#1}%
9084   \color@endgroup}%
9085   \m@mmf@prepare}
9086 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9087   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9088     \unvbox\@mpfootinsv@r
9089     \def\baselinestretch{\m@m@footnote@spacing}%
9090     \reset@font\RTLfoottextfont
9091     \hsize\columnwidth \@parboxrestore
9092     \protected@edef\@currentlabel{%
9093       \csname p@mpfootnote\endcsname\@thefnmark}%
9094   \color@begingroup
9095     \@ninecolRTLfootfmt{#1}%
9096   \color@endgroup}%
9097   \m@mmf@prepare}
9098 \bidi@ensure@newcommand{\@ninecolumnfootstyle}[1]{%
9099   \m@make@ninecolfootnotetext{#1}%
9100   \m@make@mpninecolfootnotetext{#1}%
9101   \m@make@ninecolfootfmt{#1}%
9102   \m@make@ninecol@footgroup{#1}%
9103   \m@make@mpninecol@footgroup{#1}%

```



```

g104 \m@make@footstart{#1}%
g105 \bidi@namelongdef{@footnotetext#1}##1{%
g106 \@nameuse{@ninecolfootnotetext#1}{##1}}%
g107 \bidi@namelongdef{@mpfootnotetext#1}##1{%
g108 \@nameuse{@mpninecolfootnotetext#1}{##1}}%
g109 \@namedef{@footgroup#1}{\@nameuse{@ninecol@footgroup#1}}%
g110 \@namedef{@mp@footgroup#1}{\@nameuse{@mpninecol@footgroup#1}}%
g111 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
g112 \expandafter\count\csname footins#1\endcsname=500\relax}
g113 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
g114 \bidi@namelongdef{@ninecolfootnotetext#1}##1{%
g115 \insert\@nameuse{footins#1}{%
g116 \def\baselinestretch{\m@m@footnote@spacing}%
g117 \reset@font\@nameuse{foottextfont#1}%
g118 \@preamfntext
g119 \protected@edef\@currentlabel{%
g120 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
g121 \color@begingroup
g122 \@nameuse{@ninecolfootfmt#1}{##1}%
g123 \color@endgroup}%
g124 \m@mmf@prepare}}
g125 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
g126 \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
g127 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
g128 \unvbox\@nameuse{@mpfootins#1}
g129 \def\baselinestretch{\m@m@footnote@spacing}%
g130 \reset@font\@nameuse{foottextfont#1}%
g131 \hsize\columnwidth \@parboxrestore
g132 \protected@edef\@currentlabel{%
g133 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
g134 \color@begingroup
g135 \@nameuse{@ninecolfootfmt#1}{##1}%
g136 \color@endgroup}\m@mmf@prepare}}
g137 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
g138 \@namedef{@ninecolfootfmt#1}##1{%
g139 \@preamninefmt
g140 {\@nameuse{footfootmark#1}\strut
g141 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
g142 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
g143 \@namedef{@ninecol@footgroup#1}{%
g144 \def\baselinestretch{\m@m@footnote@spacing}%
g145 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g146 \m@mrigidbodybalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
g147 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
g148 \@namedef{@mpninecol@footgroup#1}{%
g149 \def\baselinestretch{\m@m@footnote@spacing}%
g150 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g151 \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
g152 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
g153 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]

```



```

9154 \let\@footnotetext\@tencolfootnotetext
9155 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9156 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9157 \dimen\footinsv@r=10\footinsdim
9158 \count\footinsv@r=100\relax
9159 \m@make@tencol@footgroup{v@r}%
9160 \let\@footgroupv@r\@tencol@footgroupv@r
9161 \let\@mpfootnotetext\@mptencolfootnotetext
9162 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9163 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9164 \m@make@mptencol@footgroup{v@r}%
9165 \let\mp@footgroupv@r\@mptencol@footgroupv@r
9166 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9167 \def\baselinestretch{\m@m@footnote@spacing}%
9168 \reset@font\foottextfont
9169 \@preamfntext
9170 \protected@edef\@currentlabel{%
9171 \csname p@footnote\endcsname\@thefnmark}%
9172 \color@begingroup
9173 \@tencolfootfmt{#1}%
9174 \color@endgroup}%
9175 \m@mmf@prepare}
9176 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9177 \def\baselinestretch{\m@m@footnote@spacing}%
9178 \reset@font\LTRfoottextfont
9179 \@preamfntext
9180 \protected@edef\@currentlabel{%
9181 \csname p@footnote\endcsname\@thefnmark}%
9182 \color@begingroup
9183 \@tencolLTRfootfmt{#1}%
9184 \color@endgroup}%
9185 \m@mmf@prepare}
9186 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9187 \def\baselinestretch{\m@m@footnote@spacing}%
9188 \reset@font\RTLfoottextfont
9189 \@preamfntext
9190 \protected@edef\@currentlabel{%
9191 \csname p@footnote\endcsname\@thefnmark}%
9192 \color@begingroup
9193 \@tencolRTLfootfmt{#1}%
9194 \color@endgroup}%
9195 \m@mmf@prepare}
9196 \bidi@ensure@newcommand{\@preamtenfmt}{%
9197 \hsize .1\hsize
9198 \parindent=\z@
9199 \tolerance=5000\relax
9200 \leavevmode}
9201 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9202 \@preamtenfmt
9203 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}

```



```

9204 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9205   \@preamtenfmt
9206   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9207 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9208   \@preamtenfmt
9209   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9210 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9211   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9212     \unvbox\@mpfootinsv@r
9213     \def\baselinestretch{\m@m@footnote@spacing}%
9214     \reset@font\foottextfont
9215     \hsize\columnwidth \@parboxrestore
9216     \protected@edef\@currentlabel{%
9217       \csname p@mpfootnote\endcsname\@thefnmark}%
9218     \color@begingroup
9219       \@tencolfootfmt{#1}%
9220     \color@endgroup}%
9221   \m@mmf@prepare}
9222 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9223   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9224     \unvbox\@mpfootinsv@r
9225     \def\baselinestretch{\m@m@footnote@spacing}%
9226     \reset@font\LTRfoottextfont
9227     \hsize\columnwidth \@parboxrestore
9228     \if@RTLcolumnfootnotes\beginL\fi
9229     \protected@edef\@currentlabel{%
9230       \csname p@mpfootnote\endcsname\@thefnmark}%
9231     \color@begingroup
9232       \@tencolLTRfootfmt{#1}%
9233     \color@endgroup}%
9234   \m@mmf@prepare}
9235 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9236   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9237     \unvbox\@mpfootinsv@r
9238     \def\baselinestretch{\m@m@footnote@spacing}%
9239     \reset@font\RTLfoottextfont
9240     \hsize\columnwidth \@parboxrestore
9241     \protected@edef\@currentlabel{%
9242       \csname p@mpfootnote\endcsname\@thefnmark}%
9243     \color@begingroup
9244       \@tencolRTLfootfmt{#1}%
9245     \color@endgroup}%
9246   \m@mmf@prepare}
9247 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9248   \m@make@tencolfootnotetext{#1}%
9249   \m@make@mptencolfootnotetext{#1}%
9250   \m@make@tencolfootfmt{#1}%
9251   \m@make@tencol@footgroup{#1}%
9252   \m@make@mptencol@footgroup{#1}%
9253   \m@make@footstart{#1}%

```




```

9254 \bidi@namelongdef{@footnotetext#1}##1{%
9255     \@nameuse{@tencolfootnotetext#1}{##1}}%
9256 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9257     \@nameuse{@mptencolfootnotetext#1}{##1}}%
9258 \@namedef{@footgroup#1}{\@nameuse{@tencol@footgroup#1}}%
9259 \@namedef{@mp@footgroup#1}{\@nameuse{@mptencol@footgroup#1}}%
9260 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9261 \expandafter\count\csname footins#1\endcsname=500\relax}
9262 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9263     \bidi@namelongdef{@tencolfootnotetext#1}##1{%
9264         \insert\@nameuse{footins#1}{%
9265             \def\baselinestretch{\m@m@footnote@spacing}%
9266             \reset@font\@nameuse{foottextfont#1}%
9267             \@preamfntext
9268             \protected@edef\@currentlabel{%
9269                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9270             \color@begingroup
9271                 \@nameuse{@tencolfootfmt#1}{##1}%
9272             \color@endgroup}%
9273             \m@m@mmf@prepare}}
9274 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9275     \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
9276         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9277             \unvbox\@nameuse{@mpfootins#1}
9278             \def\baselinestretch{\m@m@footnote@spacing}%
9279             \reset@font\@nameuse{foottextfont#1}%
9280             \hsize\columnwidth \@parboxrestore
9281             \protected@edef\@currentlabel{%
9282                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9283             \color@begingroup
9284                 \@nameuse{@tencolfootfmt#1}{##1}%
9285             \color@endgroup}\m@m@mmf@prepare}}
9286 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9287     \@namedef{@tencolfootfmt#1}##1{%
9288         \@preamtenfmt
9289         {\@nameuse{footfootmark#1}\strut
9290             {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9291 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9292     \@namedef{@tencol@footgroup#1}{%
9293         \def\baselinestretch{\m@m@footnote@spacing}%
9294         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9295         \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9296 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9297     \@namedef{@mptencol@footgroup#1}{%
9298         \def\baselinestretch{\m@m@footnote@spacing}%
9299         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9300         \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
9301 \bidi@ensure@newcommand{\m@munvxh}[1]{%
9302     \setbox0=\vbox{\unvbox#1%
9303         \global\setbox1=\lastbox}%

```



```

9304 \unhbox1
9305 \unskip
9306 \unskip
9307 \unpenalty
9308 \hskip\m@mipn@skip}
9309 \bidi@ensure@newcommand{\m@mungebox}{%
9310 \setbox0=\hbox{\m@munvxh0}%
9311 \dp0=\z@
9312 \ht0=\footfudgefactor\wd0
9313 \box0
9314 \penalty0}
9315 \newskip\m@mipn@skip
9316 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
9317 {\foottextfont\global\m@mipn@skip=#1\relax}}
9318 \m@minterparanoteglua{1em plus.4em minus.4em}
9319 \@ifpackageloaded{multicol}{%
9320 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9321 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9322 \hsize\textwidth%
9323 \setbox0=\hbox{}}%
9324 \loop
9325 \unpenalty
9326 \setbox2=\lastbox
9327 \ifhbox2
9328 \setbox0=\hbox{\box2\unhbox0}
9329 \repeat}
9330 }{%
9331 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9332 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9333 \setbox0=\hbox{}}%
9334 \loop
9335 \unpenalty
9336 \setbox2=\lastbox
9337 \ifhbox2
9338 \setbox0=\hbox{\box2\unhbox0}
9339 \repeat}}
9340 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
9341 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
9342 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9343 \bidi@ensure@newcommand{\paragraphfootnotes}{%
9344 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9345 \let\@footnotetext\@parafootnotetext
9346 \let\@LTRfootnotetext\@paraLTRfootnotetext
9347 \let\@RTLfootnotetext\@paraRTLfootnotetext
9348 \dimen\footinsv@r=\footinsdim
9349 \count\footinsv@r=1000\relax
9350 \m@make@para@footgroup{v@r}%
9351 \let\@footgroupv@r\@para@footgroupv@r
9352 \let\@mpfootnotetext\@mpparafootnotetext
9353 \let\@mplTRfootnotetext\@mpparaLTRfootnotetext

```



```

9354 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9355 \m@make@mppara@footgroup{v@r}%
9356 \let\mp@footgroupv@r\@mppara@footgroupv@r
9357 {\def\baselinestretch{\m@m@footnote@spacing}%
9358 \foottextfont
9359 \dimen0=\baselineskip
9360 \multiply\dimen0 by 1024
9361 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9362 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9363 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9364 \let\bidi@RTL@everypar\@empty%
9365 \def\baselinestretch{\m@m@footnote@spacing}%
9366 \reset@font\foottextfont
9367 \@preamfntext
9368 \protected@edef\@currentlabel{%
9369 \csname p@footnote\endcsname\@thefnmark}%
9370 \setbox0=\vbox{\hsize=\maxdimen
9371 \color@begingroup
9372 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9373 \color@endgroup}%
9374 \m@mungebox}\m@mmf@prepare}
9375 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9376 \let\bidi@RTL@everypar\@empty%
9377 \def\baselinestretch{\m@m@footnote@spacing}%
9378 \reset@font\LTRfoottextfont
9379 \@preamfntext
9380 \protected@edef\@currentlabel{%
9381 \csname p@footnote\endcsname\@thefnmark}%
9382 \setbox0=\vbox{\hsize=\maxdimen
9383 \color@begingroup
9384 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9385 \color@endgroup}%
9386 \m@mungebox}\m@mmf@prepare}
9387 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9388 \let\bidi@RTL@everypar\@empty%
9389 \def\baselinestretch{\m@m@footnote@spacing}%
9390 \reset@font\RTLfoottextfont
9391 \@preamfntext
9392 \protected@edef\@currentlabel{%
9393 \csname p@footnote\endcsname\@thefnmark}%
9394 \setbox0=\vbox{\hsize=\maxdimen
9395 \color@begingroup
9396 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9397 \color@endgroup}%
9398 \m@mungebox}\m@mmf@prepare}
9399 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
9400 \parindent=\z@
9401 \parfillskip=0pt \@plus 1fil
9402 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9403 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%

```



```

9404 \parindent=\z@
9405 \parfillskip=Opt \@plus 1fil
9406 {\footfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9407 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9408 \parindent=\z@
9409 \parfillskip=Opt \@plus 1fil
9410 {\footfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9411 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9412 \global\setbox\@mpfootinsv@r\vbox{%
9413 \let\bidi@RTL@everypar\@empty%
9414 \unvbox\@mpfootinsv@r
9415 \def\baselinestretch{\m@m@footnote@spacing}%
9416 \reset@font\foottextfont
9417 \hsize\columnwidth \@parboxrestore
9418 \protected@edef\@currentlabel{%
9419 \csname p@mpfootnote\endcsname\@thefnmark}%
9420 \setbox0=\vbox{\hsize=\maxdimen
9421 \color@begingroup
9422 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9423 \color@endgroup}%
9424 \m@mungebox}\m@mmf@prepare}
9425 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9426 \global\setbox\@mpfootinsv@r\vbox{%
9427 \let\bidi@RTL@everypar\@empty%
9428 \unvbox\@mpfootinsv@r
9429 \def\baselinestretch{\m@m@footnote@spacing}%
9430 \reset@font\LTRfoottextfont
9431 \hsize\columnwidth \@parboxrestore
9432 \protected@edef\@currentlabel{%
9433 \csname p@mpfootnote\endcsname\@thefnmark}%
9434 \setbox0=\vbox{\hsize=\maxdimen
9435 \color@begingroup
9436 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9437 \color@endgroup}%
9438 \m@mungebox}\m@mmf@prepare}
9439 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9440 \global\setbox\@mpfootinsv@r\vbox{%
9441 \let\bidi@RTL@everypar\@empty%
9442 \unvbox\@mpfootinsv@r
9443 \def\baselinestretch{\m@m@footnote@spacing}%
9444 \reset@font\RTLfoottextfont
9445 \hsize\columnwidth \@parboxrestore
9446 \protected@edef\@currentlabel{%
9447 \csname p@mpfootnote\endcsname\@thefnmark}%
9448 \setbox0=\vbox{\hsize=\maxdimen
9449 \color@begingroup
9450 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9451 \color@endgroup}%
9452 \m@mungebox}\m@mmf@prepare}
9453 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%

```



```

9454 \m@make@parafootnotetext{#1}%
9455 \m@make@mpparafootnotetext{#1}%
9456 \m@make@parafootfmt{#1}%
9457 \m@make@para@footgroup{#1}%
9458 \m@make@mppara@footgroup{#1}%
9459 \m@make@para@footstart{#1}%
9460 \bidi@namelongdef{@footnotetext#1}##1{%
9461   \@nameuse{@parafootnotetext#1}{##1}}%
9462 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9463   \@nameuse{@mpparafootnotetext#1}{##1}}%
9464 \@namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
9465 \@namedef{mp@footgroup#1}{\@nameuse{@mppara@footgroup#1}}%
9466 \@namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
9467 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9468 \expandafter\count\csname footins#1\endcsname=1000\relax
9469 {\def\baselinestretch{\m@m@footnote@spacing}%
9470  \@nameuse{foottextfont#1}%
9471  \dimen0=\baselineskip
9472  \multiply\dimen0 by 1024
9473  \divide\dimen0 by \hsize \multiply\dimen0 by 64
9474  \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9475 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9476 \bidi@namelongdef{@parafootnotetext#1}##1{%
9477   \insert\@nameuse{footins#1}{
9478     \def\baselinestretch{\m@m@footnote@spacing}%
9479     \reset@font\@nameuse{foottextfont#1}%
9480     \@preamfntext
9481     \protected@edef\@currentlabel{%
9482       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9483     \setbox0=\vbox{\hsize=\maxdimen
9484       \color@begingroup
9485         \noindent \@nameuse{@parafootfmt#1}{##1}%
9486         \color@endgroup}%
9487     \m@mungebox}\m@mmf@prepare}}
9488 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9489 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9490   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9491     \unvbox\@nameuse{@mpfootins#1}
9492     \def\baselinestretch{\m@m@footnote@spacing}%
9493     \reset@font\@nameuse{foottextfont#1}%
9494     \hsize\columnwidth \@parboxrestore
9495     \protected@edef\@currentlabel{%
9496       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9497     \setbox0=\vbox{\hsize=\maxdimen
9498       \color@begingroup
9499         \noindent \@nameuse{@parafootfmt#1}{##1}%
9500         \color@endgroup}%
9501     \m@mungebox}\m@mmf@prepare}}
9502 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9503 \bidi@namelongdef{@parafootfmt#1}##1{%

```



```

9504 \parindent=\z@
9505 \parfillskip=Opt \@plus 1fil
9506 {\@nameuse{footfootmark#1}\strut
9507 {\@nameuse{foottextfont#1}##1}\penalty-10}}
9508 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9509 \@namedef{@para@footgroup#1}{%
9510 \unvbox\@nameuse{footins#1}
9511 \m@mmakehboxofhboxes
9512 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9513 \@nameuse{foottextfont#1}%
9514 \noindent\unhbox0\par}}
9515 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9516 \@namedef{@mppara@footgroup#1}{%
9517 \unvbox\@nameuse{@mpfootins#1}
9518 \m@mmakehboxofhboxes
9519 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9520 \@nameuse{foottextfont#1}%
9521 \noindent\unhbox0\par}}
9522 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9523 \@namedef{@para@footstart#1}{%
9524 \vskip\bigskipamount
9525 \leftskip=\z@
9526 \rightskip=\z@
9527 \parindent=\z@
9528 \vskip\skip\@nameuse{footins#1}%
9529 \footnoterule}}
9530 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9531 \xdef\@freelist{\@freelist\@midlist}%
9532 \global\let\@midlist\@empty
9533 \@combinefloats}
9534 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
9535 \ifvbox\@kludgeins
9536 \@makespecialcolbox
9537 \else
9538 \setbox\@outputbox \vbox to\@colht{%
9539 \@texttop
9540 \dimen@ \dp\@outputbox
9541 \unvbox \@outputbox
9542 \vskip -\dimen@
9543 \@textbottom}%
9544 \fi}
9545 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9546 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
9547 \boxmaxdepth\@maxdepth
9548 \@tempdima\dp\@cclv
9549 \unvbox\@cclv
9550 \vskip-\@tempdima
9551 \vskip \skip\footins
9552 \color@begingroup
9553 \normalcolor

```



```

9554 \footnoterule
9555 \unvbox \footins
9556 \color@endgroup}}
9557 \bidi@ensure@newcommand*{\m@mopsidebar}{%
9558 \ifvoid\sideins\else
9559 \setbox\@outputbox \vbox{%
9560 \sidecontents
9561 \unvbox\@outputbox}
9562 \fi}
9563 \gdef\mem@makecol{%
9564 \m@m@makecolintro
9565 \ifvoid\footins
9566 \setbox\@outputbox \box\@cc1v
9567 \else
9568 \m@mopfootnote
9569 \fi
9570 \m@m@doextrafeet
9571 \m@m@makecolfloats
9572 \m@mopsidebar
9573 \m@m@makecoltext
9574 \global \maxdepth \@maxdepth}
9575 \bidi@ensure@newcommand{\feetabovelfloat}{\gdef\@makecol{\mem@makecol}}
9576 \feetabovelfloat%

```

7.55 extreport-xetex-bidi.def

```

9577 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class for
9578 \renewcommand*\l@part[2]{%
9579 \ifnum \c@tocdepth >-2\relax
9580 \addpenalty{-\@highpenalty}%
9581 \addvspace{2.25em \@plus\p@}%
9582 \begingroup
9583 \setlength\@tempdima{3em}%
9584 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9585 \parfillskip -\@pnumwidth
9586 {\leavevmode
9587 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9588 \nobreak
9589 \global\@nbreaktrue
9590 \everypar{\global\@nbreakfalse\everypar{}}%
9591 \endgroup
9592 \fi}
9593 \renewcommand*\l@chapter[2]{%
9594 \ifnum \c@tocdepth >\m@ne
9595 \addpenalty{-\@highpenalty}%
9596 \vskip 1.0em \@plus\p@
9597 \setlength\@tempdima{1.5em}%
9598 \begingroup
9599 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9600 \parfillskip -\@pnumwidth

```



```

g601      \leavevmode \bfseries
g602      \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
g603      \hskip -\if@RTL\rightright\else\leftskip\fi
g604      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
g605      \penalty\@highpenalty
g606      \endgroup
g607      \fi}
g608 \def\@makechapterhead#1{%
g609   \vspace*{50\p@}%
g610   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
g611     \ifnum \c@secnumdepth >\m@ne
g612       \huge\bfseries \@chapapp\space \thechapter
g613       \par\nobreak
g614       \vskip 20\p@
g615     \fi
g616     \interlinepenalty\@M
g617     \Huge \bfseries #1\par\nobreak
g618     \vskip 40\p@
g619   }}
g620 \def\@makeschapterhead#1{%
g621   \vspace*{50\p@}%
g622   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
g623     \normalfont
g624     \interlinepenalty\@M
g625     \Huge \bfseries #1\par\nobreak
g626     \vskip 40\p@
g627   }}
g628 \renewcommand\left@footnoterule{%
g629   \kern-3\p@
g630   \hrule\@width.4\columnwidth
g631   \kern2.6\p@}
g632 \renewcommand\right@footnoterule{%
g633   \kern-3\p@
g634   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
g635   \kern2.6\p@}
g636 \renewenvironment{thebibliography}[1]
g637   {\chapter*{\bibname
g638     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
g639   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
g640   \list{\@biblabel{\@arabic\c@enumiv}}%
g641     {\settowidth\labelwidth{\@biblabel{#1}}%
g642     \leftmargin\labelwidth
g643     \advance\leftmargin\labelsep
g644     \@openbib@code
g645     \usecounter{enumiv}%
g646     \let\p@enumiv\@empty
g647     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
g648   \sloppy\clubpenalty4000\widowpenalty4000%
g649   \sfcode`\.\@m}
g650   {\def\@noitemerr

```




```

9651      {\@latex@warning{Empty `thebibliography' environment}}%
9652      \endlist}
9653      \if@titlepage
9654      \renewcommand\maketitle{\begin{titlepage}%
9655      \let\footnotesize\small
9656      \let\right@footnoterule\relax
9657      \let\left@footnoterule\relax
9658      \let\textwidth\footnoterule\relax
9659      \let \footnote \thanks
9660      \null\vfil
9661      \vskip 60\p@
9662      \begin{center}%
9663      {\LARGE \@title \par}%
9664      \vskip 3em%
9665      {\large
9666      \lineskip .75em%
9667      \begin{tabular}[t]{c}%
9668      \@author
9669      \end{tabular}\par}%
9670      \vskip 1.5em%
9671      {\large \@date \par}%          % Set date in \large size.
9672      \end{center}\par
9673      \@thanks
9674      \vfil\null
9675      \end{titlepage}%
9676      \setcounter{footnote}{0}%
9677      \global\let\thanks\relax
9678      \global\let\maketitle\relax
9679      \global\let\@thanks\@empty
9680      \global\let\@author\@empty
9681      \global\let\@date\@empty
9682      \global\let\@title\@empty
9683      \global\let\title\relax
9684      \global\let\author\relax
9685      \global\let\date\relax
9686      \global\let\and\relax
9687      }
9688      \else
9689      \renewcommand\maketitle{\par
9690      \begingroup
9691      \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9692      \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9693      \long\def\@makefnmark##1{\parindent 1em\noindent
9694      \hb@xt@1.8em{%
9695      \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9696      \if@twocolumn
9697      \ifnum \col@number=\@ne
9698      \@maketitle
9699      \else
9700      \twocolumn[\@maketitle]%

```



```

9701 \fi
9702 \else
9703 \newpage
9704 \global\@topnum\z@ % Prevents figures from going at top of page.
9705 \@maketitle
9706 \fi
9707 \thispagestyle{plain}\@thanks
9708 \endgroup
9709 \setcounter{footnote}{0}%
9710 \global\let\thanks\relax
9711 \global\let\maketitle\relax
9712 \global\let\@maketitle\relax
9713 \global\let\@thanks\@empty
9714 \global\let\@author\@empty
9715 \global\let\@date\@empty
9716 \global\let\@title\@empty
9717 \global\let\title\relax
9718 \global\let\author\relax
9719 \global\let\date\relax
9720 \global\let\and\relax
9721 }
9722 \def\@maketitle{%
9723 \newpage
9724 \null
9725 \vskip 2em%
9726 \begin{center}%
9727 \let \footnote \thanks
9728 {\LARGE \@title \par}%
9729 \vskip 1.5em%
9730 {\large
9731 \lineskip .5em%
9732 \begin{tabular}[t]{c}%
9733 \@author
9734 \end{tabular}\par}%
9735 \vskip 1em%
9736 {\large \@date}%
9737 \end{center}%
9738 \par
9739 \vskip 1.5em}
9740 \fi
9741 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
9742 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
9743 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\csubsubsection}
9744 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\cparagraph}
9745 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
9746 \renewcommand\theequation{%
9747 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9748 \renewcommand\thefigure{%
9749 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
9750 \renewcommand\thetable{%

```



```
9751 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
```

7.56 fancybox-xetex-bidi.def

```
9752 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
9753 \def\fancy@oval#1#2#3{%
9754   \boxmaxdepth \maxdimen
9755   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
9756   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
9757   \@ovxx#1\relax
9758   \advance\@ovxx-\@wholewidth
9759   \@ovyy#2\relax
9760   \advance\@ovyy-\@wholewidth
9761   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
9762   \advance\@tempdimb-2\p@
9763   \ifdim\@tempdimb>\the@cornersize\relax
9764     \@tempdimb=\the@cornersize
9765   \fi
9766   \getcirc\@tempdimb
9767   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
9768   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
9769   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
9770   \circlefnt
9771   \setbox\@tempboxa\hbox{\beginL%
9772     \if@ovr \@ovvert32\kern -\@tempdima \fi
9773     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
9774     \if@ovt \@ovhorz \kern -\@ovxx \fi
9775     \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
9776   \advance\@ovdx\@ovro
9777   \advance\@ovdy\@ovro
9778   \advance\@ovxx\@wholewidth
9779   \wd\@tempboxa=\@ovxx
9780   \dp\@tempboxa=\z@}
```

7.57 fancyhdr-xetex-bidi.def

```
9781 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for
9782 \let\fnch@everypar\everypar%
9783 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
9784   \@fancyvbox\headheight{\hbox
9785     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
9786       \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
9787       \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma
9788 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
9789   \@fancyvbox\footskip{\footrule
9790     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
9791     \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\els
9792     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma
```

7.58 fix2col-xetex-bidi.def

```
9793 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for X
```



```

9794 \def\RTL@outputdblcol{%
9795   \if@firstcolumn
9796     \global\@firstcolumnfalse
9797     \global\setbox\@leftcolumn\copy\@outputbox
9798     \splitmaxdepth\maxdimen
9799     \vbadness\maxdimen
9800     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9801     \toks@\expandafter{\topmark}%
9802     \xdef\@firstcoltopmark{\the\toks@}%
9803     \toks@\expandafter{\splitfirstmark}%
9804     \xdef\@firstcolfirstmark{\the\toks@}%
9805     \ifx\@firstcolfirstmark\@empty
9806       \global\let\@setmarks\relax
9807     \else
9808       \gdef\@setmarks{%
9809         \let\firstmark\@firstcolfirstmark
9810         \let\topmark\@firstcoltopmark}%
9811     \fi
9812 \else \global\@firstcolumntrue
9813 \setbox\@outputbox \vbox {\hbox to\textwidth {%
9814   \hskip \columnwidth
9815   \hfil \vrule width\columnseprule \hfil
9816   \hbox to\columnwidth {\box\@leftcolumn \hss}%
9817   \hskip -\textwidth
9818   \hbox to\columnwidth{\box\@outputbox \hss}%
9819   \hskip \columnsep
9820   \hskip \columnwidth }}%
9821 \@combinedblfloats \@setmarks \@outputpage
9822 \begingroup \@dblfloatplacement \@startdblcolumn
9823 \@whiles\if@fcolmade \fi
9824 {\@outputpage \@startdblcolumn }\endgroup
9825 \fi}
9826 \def\LTR@outputdblcol{%
9827   \if@firstcolumn
9828     \global\@firstcolumnfalse
9829     \global\setbox\@leftcolumn\copy\@outputbox
9830     \splitmaxdepth\maxdimen
9831     \vbadness\maxdimen
9832     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9833     \toks@\expandafter{\topmark}%
9834     \xdef\@firstcoltopmark{\the\toks@}%
9835     \toks@\expandafter{\splitfirstmark}%
9836     \xdef\@firstcolfirstmark{\the\toks@}%
9837     \ifx\@firstcolfirstmark\@empty
9838       \global\let\@setmarks\relax
9839     \else
9840       \gdef\@setmarks{%
9841         \let\firstmark\@firstcolfirstmark
9842         \let\topmark\@firstcoltopmark}%
9843     \fi

```



```

9844 \else
9845   \global\@firstcolumntrue
9846   \setbox\@outputbox\vbox{%
9847     \hb@xt@\textwidth{%
9848       \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
9849       \hfil
9850       \vrule \@width\columnseprule
9851       \hfil
9852       \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
9853 \@combinedblfloats
9854 \setmarks
9855 \outputpage
9856 \begingroup
9857   \dblfloatplacement
9858   \startdblcolumn
9859   \whiles\if@fcolmade \fi{\@outputpage\startdblcolumn}%
9860 \endgroup
9861 \fi}

```

7.59 fleqn-xetex-bidi.def

```

9862 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
9863 \renewcommand\[{ \relax
9864   \ifmmode\@badmath
9865   \else
9866     \begin{trivlist}%
9867       \@beginparpenalty\predisplaypenalty
9868       \@endparpenalty\postdisplaypenalty
9869       \item[]\leavevmode
9870       \hb@xt@\linewidth\bggroup \beginL$\m@th\displaystyle %$
9871       \hskip\mathindent\bggroup
9872     \fi}
9873 \renewcommand\]{ \relax
9874   \ifmmode
9875     \egroup $\hfil% $
9876     \endL\egroup
9877     \end{trivlist}%
9878   \else \@badmath
9879   \fi}
9880 \renewenvironment{equation}%
9881   {\@beginparpenalty\predisplaypenalty
9882    \@endparpenalty\postdisplaypenalty
9883    \refstepcounter{equation}%
9884    \trivlist \item[]\leavevmode
9885    \hb@xt@\linewidth\bggroup\beginL $\m@th% $
9886    \displaystyle
9887    \hskip\mathindent}%
9888   { $\hfil % $
9889    \displaywidth\linewidth\hbox{\@eqnnum}%
9890    \endL\egroup

```



```
9891 \endtrivlist}
```

7.60 float-xetex-bidi.def

```
9892 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
9893 \renewcommand\floatc@plain[2]{\setbox\tempboxa\hbox{\@fs@cfont #1:} #2}%
9894 \ifdim\wd\tempboxa>\hsize {\@fs@cfont #1:} #2\par
9895 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\tempboxa\hfil\if@RTL\endR\fi}\fi}
9896 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
9897 \expandafter\edef\csname the#1\endcsname{%
9898 \expandafter\noexpand\csname
9899 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
9900 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}
```

7.61 floatrow-xetex-bidi.def

```
9901 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
9902 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
9903 \expandafter\edef\csname the\FB@captype\endcsname{%
9904 \expandafter\noexpand\csname
9905 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}
```

7.62 flowfram-xetex-bidi.def

```
9906 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for XeTeX]
9907 \def\@outputdblcol{%
9908 \@nxtcol=\c@thisframe
9909 \c@curpg=\c@page
9910 \@g@tnxtcol{\@nxtcol}%
9911 \if@ff@nwp % next flow frame starts on new page
9912 \global\@firstcolumntrue
9913 \setcolbox\c@thisframe
9914 \if@specialpage
9915 \global\@specialpagefalse
9916 \nameuse{ps@\@specialstyle}\relax
9917 \fi
9918 \if@twoside
9919 \ifodd\count\z@
9920 \let\@thehead\@oddhead
9921 \let\@thefoot\@oddfoot
9922 \else
9923 \let\@thehead\@evenhead
9924 \let\@thefoot\@evenfoot
9925 \fi
9926 \else
9927 \let\@thehead\@oddhead
9928 \let\@thefoot\@oddfoot
9929 \fi
9930 \@begindvi
9931 \@dodynamicthehead\@dodynamicthefoot
9932 \vbadness=\@M
9933 \setbox\@outputbox\box{\hbox to \textwidth{\@ff@do@allframes}}}
```



```

9934 \@combinedblfloats
9935 \@outputpage
9936 \advance\c@curpg by -\c@page\relax
9937 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
9938 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
9939 \@outputpage}
9940 \begingroup
9941 \dblfloatplacement
9942 \@startdblcolumn
9943 \@whilesw \if@fcolmade \fi
9944 {\@outputpage \@startdblcolumn }\endgroup
9945 \@resetst@tics
9946 \@resetdyn@mics
9947 \else % still on same page, save contents of box255
9948 \global\@firstcolumnfalse
9949 \@setcolbox\c@thisframe
9950 \fi
9951 \global\c@thisframe=\@nxtcol
9952 \@setcol{\c@thisframe}\relax
9953 \global\@colht\vsiz
9954 }
9955 \def\@outputpage{%
9956 \begingroup
9957 \let\protect\noexpand
9958 \@resetactivechars
9959 \global\let\@if@newlist\if@newlist
9960 \global\@newlistfalse\@parboxrestore
9961 \shipout\vbox{\set@typeset@protect
9962 \aftergroup
9963 \endgroup
9964 \aftergroup
9965 \set@typeset@protect
9966 \reset@font\normalsize\normalsfcodes
9967 \let\label\@gobble
9968 \let\index\@gobble
9969 \let\glossary\@gobble
9970 \baselineskip\z@skip
9971 \lineskip\z@skip
9972 \lineskiplimit\z@
9973 \vskip\topmargin\moveright\@themargin
9974 \vbox{%
9975 \vskip\headheight
9976 \vskip\headsep
9977 \box\@outputbox
9978 }}%
9979 \global\let\if@newlist\@if@newlist
9980 \stepcounter{page}%
9981 \setcounter{displayedframe}{0}%
9982 \let\firstmark\botmark}
9983

```



```

9984
9985 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
9986 \expandafter\bidicolor\ff@txtcol}}
9987
9988 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
9989 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
9990
9991
9992 \renewcommand*\@docolbox}[1]{%
9993 \edef\ff@frametype{%
9994 \csname @ff@frametype@\romannumeral#1\endcsname}%
9995 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
9996 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
9997 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
9998 \@ff@setoffset{#1}%
9999 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10000 \ifthenelse{\boolean{columnframe\romannumeral#1}}{\%
10001 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10002 {\csname colheight\romannumeral#1\endcsname}{%
10003 \expandafter\box\csname column\romannumeral#1\endcsname}{%
10004 \csname\ff@frametype\endcsname}%
10005 }{\%
10006 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10007 {\csname colheight\romannumeral#1\endcsname}{%
10008 \expandafter\box\csname column\romannumeral#1\endcsname}%
10009 }}}
10010 \ifclassloaded{book}{%
10011 \renewcommand\theequation
10012 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10013 \renewcommand \thefigure
10014 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10015 \renewcommand \thetable
10016 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10017 \renewcommand \thechapter {\@arabic\c@chapter}
10018 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10019 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10020 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10021 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10022 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{\%
10023 \ifclassloaded{report}{%
10024 \renewcommand\theequation
10025 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10026 \renewcommand \thefigure
10027 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10028 \renewcommand \thetable
10029 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10030 \renewcommand \thechapter {\@arabic\c@chapter}
10031 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10032 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10033 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}

```




```

10034 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10035 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10036 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10037 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10038 \else
10039 #2\relax
10040 \fi}

```

7.63 footnote-xetex-bidi.def

```

10041 \ProvidesFile{footnote-xetex-bidi.def}[2015/11/14 v0.9 bidi footnote macros for XeTeX engine]
10042 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10043 \newif\ifbidi@autofooterule
10044 \def\bidi@mpfootnoterule{\footnoterule}
10045 \newcounter{footdir@label}
10046 \renewcommand*{\thefootdir@label}{footdir@\the\value{footdir@label}}
10047 \newcommand*{\footdir@write}{%
10048 \stepcounter{footdir@label}%
10049 \zref@labelbyprops{\thefootdir@label}{abspage}%
10050 }
10051 \newif\iffootdir@debug
10052 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10053 \newtoks\footdir@toks
10054 \newcommand*{\footdir@debug}[1]{%
10055 \iffootdir@debug
10056 \typeout{[footdir] #1}%
10057 \fi
10058 }
10059 \ifpackagelater{zref-abspage}{2012/10/27}{%
10060 \newcommand*{\footdir@LeftRightElse}{%
10061 \ltx@ifundefined{footdir@\the\value{zabspage}}{%
10062 \footdir@debug{abspage \the\value{zabspage}: else}%
10063 \ltx@thirdofthree
10064 }{%
10065 \if\csname footdir@\the\value{zabspage}\endcsname L%
10066 \footdir@debug{abspage \the\value{zabspage}: left}%
10067 \expandafter\ltx@firstofthree
10068 \else
10069 \footdir@debug{abspage \the\value{zabspage}: right}%
10070 \expandafter\ltx@secondofthree
10071 \fi
10072 }%
10073 }%
10074 }{%
10075 \providecommand*{\c@zabspage}{\c@abspage}%
10076 \newcommand*{\footdir@LeftRightElse}{%
10077 \footdir@write
10078 \zifrefundefined{\thefootdir@label}{%
10079 \footdir@debug{abspage ??: else}%
10080 \ltx@thirdofthree

```



```

10081 }{%
10082   \edef\footdir@abspage{%
10083     \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10084   }%
10085   \ltx@ifundefined{footdir@\footdir@abspage}{%
10086     \footdir@debug{\footdir@abspage: else}%
10087     \ltx@thirdofthree
10088   }{%
10089     \if\csname footdir@\footdir@abspage\endcsname L%
10090       \footdir@debug{\footdir@abspage: left}%
10091       \expandafter\ltx@firstofthree
10092     \else
10093       \footdir@debug{\footdir@abspage: right}%
10094       \expandafter\ltx@secondofthree
10095     \fi
10096   }%
10097 }%
10098 }%
10099 }
10100 \newcommand*{\footdir@fntext}[1]{%
10101   \zifrefundefined{\thefootdir@label}{%
10102   }{%
10103     \edef\footdir@name{%
10104       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10105     }%
10106     \@ifundefined{\footdir@name}{%
10107       \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10108     }{%
10109     }%
10110   }
10111 }
10112 \newcommand*{\footdir@temp}[3]{%
10113   \@ifdefinable{#1}{%
10114     \let#1#2%
10115     \renewcommand{#2}[1]{%
10116       \footdir@write
10117       \footdir@fntext{#3}%
10118       \stepcounter{footdir@label}%
10119       \footdir@fntext{#3}%
10120       \footdir@toks{##1}%
10121       \footdir@toks\expandafter{%
10122         \the\expandafter\footdir@toks
10123         \expandafter
10124         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10125       }%
10126       \expandafter#1\expandafter{\the\footdir@toks}%
10127     }%
10128   }%
10129 }
10130

```



```

10131 \def\right@footnoterule{%
10132   \kern-3\p@
10133   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10134   \kern2.6\p@}
10135 \def\left@footnoterule{\kern-3\p@
10136   \hrule \@width .4\columnwidth \kern 2.6\p@}
10137 \def\textwidth@footnoterule{\kern-3\p@
10138   \hrule \@width \columnwidth \kern 2.6\p@}
10139 \def\leftfootnoterule{%
10140   \bidi@autofootnoterulefalse%
10141   \def\footnoterule{\left@footnoterule}}
10142 \let\LRfootnoterule=\leftfootnoterule
10143 \def\rightfootnoterule{%
10144   \bidi@autofootnoterulefalse%
10145   \def\footnoterule{\right@footnoterule}}
10146 \def\textwidthfootnoterule{%
10147   \bidi@autofootnoterulefalse%
10148   \def\footnoterule{\textwidth@footnoterule}}
10149
10150
10151
10152 \def\auto@footnoterule{%
10153   \footdir@LeftRightElse%
10154   \left@footnoterule%
10155   \right@footnoterule%
10156   \left@footnoterule%
10157 }
10158
10159
10160
10161 \def\autofootnoterule{%
10162   \bidi@autofootnoteruletrue%
10163   \def\footnoterule{\auto@footnoterule}%
10164 }
10165
10166 \newcommand*{\SplitFootnoteRule}{%
10167   \gdef\split@prev{0}
10168   \let\pagefootnoterule\footnoterule
10169   \let\mpfootnoterule\footnoterule
10170   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10171   \def\footnoterule{\relax
10172     \ifx \@listdepth\@mplistdepth
10173       \mpfootnoterule
10174     \else
10175       \ifnum\split@prev=\z@
10176         \pagefootnoterule
10177       \else
10178         \splitfootnoterule
10179       \fi
10180       \xdef\split@prev{\the\insertpenalties}%

```



```

10181 \fi
10182 }%
10183 }
10184
10185
10186
10187
10188 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10189 \protected@xdef\@thefnmark{\thempfn}%
10190 \@footnotemark\@RTLfootnotetext}}
10191 \def\@xRTLfootnote[#1]{%
10192 \begingroup
10193 \csname c@\@mpfn\endcsname #1\relax
10194 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10195 \endgroup
10196 \@footnotemark\@RTLfootnotetext}
10197 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10198 \protected@xdef\@thefnmark{\thempfn}%
10199 \@footnotemark\@LTRfootnotetext}}
10200 \def\@xLTRfootnote[#1]{%
10201 \begingroup
10202 \csname c@\@mpfn\endcsname #1\relax
10203 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10204 \endgroup
10205 \@footnotemark\@LTRfootnotetext}
10206
10207
10208 \def\setfootnoteRL{\@RTL@footnotetrue}
10209 \def\unsetfootnoteRL{\@RTL@footnotefalse}
10210 \def\setfootnoteLR{\unsetfootnoteRL}
10211
10212 \long\def\@footnotetext#1{\insert\footins{%
10213 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10214 \reset@font\footnotesize
10215 \interlinepenalty\interfootnotelinepenalty
10216 \splittopskip\footnotesep
10217 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10218 \hsize\columnwidth \@parboxrestore
10219 \protected@edef\@currentlabel{%
10220 \csname p@footnote\endcsname\@thefnmark
10221 }%
10222 \color@begingroup
10223 \@makefnmark{%
10224 \rule{z@}\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10225 \color@endgroup}}%
10226
10227
10228 \long\def\@RTLfootnotetext#1{\insert\footins{%
10229 \@RTLtrue%
10230 \reset@font\footnotesize

```



```

10231 \interlinepenalty\interfootnotelinepenalty
10232 \splittopskip\footnotesep
10233 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10234 \hsize\columnwidth \parboxrestore
10235 \protected@edef\@currentlabel{%
10236     \csname p@footnote\endcsname\@thefnmark
10237 }%
10238 \color@begingroup
10239     \@makefntext{%
10240         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10241 \color@endgroup}}%
10242
10243 \long\def\@LTRfootnotetext#1{\insert\footins{%
10244     \@RTLfalse%
10245     \reset@font\footnotesize
10246     \interlinepenalty\interfootnotelinepenalty
10247     \splittopskip\footnotesep
10248     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10249     \hsize\columnwidth \parboxrestore
10250     \protected@edef\@currentlabel{%
10251         \csname p@footnote\endcsname\@thefnmark
10252     }%
10253     \color@begingroup
10254         \@makefntext{%
10255             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10256     \color@endgroup}}%
10257
10258 \AtBeginDocument{%
10259 \if@RTL@footnote
10260     \newcommand*{\bidi@footdir@footnote}{R}
10261 \else
10262     \newcommand*{\bidi@footdir@footnote}{L}
10263 \fi%
10264 }
10265
10266 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10267 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10268 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10269
10270 \long\def\@mpRTLfootnotetext#1{%
10271 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footno
10272 \global\setbox\@mpfootins\vbox{\@RTLtrue%
10273     \unvbox\@mpfootins
10274     \reset@font\footnotesize
10275     \hsize\columnwidth
10276     \@parboxrestore
10277     \protected@edef\@currentlabel
10278         {\csname p@mpfootnote\endcsname\@thefnmark}%
10279     \color@begingroup
10280         \@makefntext{%

```



```

10281      \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10282      \color@endgroup}}
10283 \long\def\@mpLTRfootnotetext#1{%
10284 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\@bidi@mpfootnoterule\left@footnote
10285 \global\setbox\@mpfootins\vbox{\@RTLfalse%
10286 \unvbox\@mpfootins
10287 \reset@font\footnotesize
10288 \hsize\columnwidth
10289 \@parboxrestore
10290 \protected@edef\@currentlabel
10291 {\csname p@mpfootnote\endcsname\@thefnmark}%
10292 \color@begingroup
10293 \makefnintext{%
10294 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10295 \color@endgroup}}
10296 \long\def\@mpfootnotetext#1{%
10297 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\@bidi@mpfootnoterule
10298 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10299 \unvbox\@mpfootins
10300 \reset@font\footnotesize
10301 \hsize\columnwidth
10302 \@parboxrestore
10303 \protected@edef\@currentlabel
10304 {\csname p@mpfootnote\endcsname\@thefnmark}%
10305 \color@begingroup
10306 \makefnintext{%
10307 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10308 \color@endgroup}}
10309 \def\@iiiminipage#1#2[#3]#4{%
10310 \leavevmode
10311 \@pboxswfalse
10312 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10313 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10314 \setlength\@tempdima{#4}%
10315 \def\@mpargs{#{1}{#2}[#3]{#4}}%
10316 \setbox\@tempboxa\vbox\bgroup
10317 \color@begingroup
10318 \hsize\@tempdima
10319 \textwidth\hsize \columnwidth\hsize
10320 \@parboxrestore
10321 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10322 \let\@footnotetext\@mpfootnotetext
10323 \let\@LTRfootnotetext\@mpLTRfootnotetext
10324 \let\@RTLfootnotetext\@mpRTLfootnotetext
10325 \let\@listdepth\@mplistdepth \@mplistdepth\z@
10326 \minipagerestore
10327 \setminipage}
10328 \def\endminipage{%
10329 \par
10330 \unskip

```



```

10331 \ifvoid\@mpfootins\else
10332 \vskip\skip\@mpfootins
10333 \normalcolor
10334 \bidi\@mpfootnoterule
10335 \unvbox\@mpfootins
10336 \fi
10337 \@minipagefalse %% added 24 May 89
10338 \color@endgroup
10339 \egroup
10340 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10341 \def\LTRthanks#1{\footnotemark
10342 \protected@xdef\@thanks{\@thanks
10343 \protect\LTRfootnotetext[\the\c@footnote]{#1}}}%
10344 }
10345 \def\LTRfootnotetext{%
10346 \ifnextchar [\@xLTRfootnotenext
10347 {\protected@xdef\@thefnmark{\thempfn}%
10348 \@LTRfootnotetext}}
10349 \def\@xLTRfootnotenext[#1]{%
10350 \begingroup
10351 \csname c@\@mpfn\endcsname #1\relax
10352 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10353 \endgroup
10354 \@LTRfootnotetext}
10355 \def\RTLthanks#1{\footnotemark
10356 \protected@xdef\@thanks{\@thanks
10357 \protect\RTLfootnotetext[\the\c@footnote]{#1}}}%
10358 }
10359 \let\@thanks\@empty
10360 \def\RTLfootnotetext{%
10361 \ifnextchar [\@xRTLfootnotenext
10362 {\protected@xdef\@thefnmark{\thempfn}%
10363 \@RTLfootnotetext}}
10364 \def\@xRTLfootnotenext[#1]{%
10365 \begingroup
10366 \csname c@\@mpfn\endcsname #1\relax
10367 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10368 \endgroup
10369 \@RTLfootnotetext}
10370 \leftfootnoterule

```

7.64 framed-xetex-bidi.def

```

10371 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10372 \renewcommand\TitleBarFrame[3][\begingroup
10373 \ifx\delimiter#1\delimiter
10374 \let\TF@conlab\@empty
10375 \else
10376 \def\TF@conlab{% continuation label
10377 \nointerlineskip

```



```

10378     \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
10379     \fi
10380     %\let\TF@savecolor\current@color
10381     \textcolor{TF@FrameColor}{%
10382     \CustomFBox
10383     {\TF@Title{#2}}{\TF@conlab}}%
10384     \fboxrule\fboxrule\fboxrule\fboxrule
10385     %{\let\current@color\TF@savecolor\set@color #3}%
10386     {\normalcolor #3}%
10387   }\endgroup
10388 }
10389 \renewenvironment{titled-frame}[1]{%
10390   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
10391     \TitleBarFrame{\textbf{#1}}}%
10392   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
10393     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
10394   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
10395     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (cont)}}%
10396   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
10397     \TitleBarFrame{\textbf{#1} (cont)}}}%
10398   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10399 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10400 % could interfere with the width measurement.
10401 {\endMakeFramed}
10402 \chardef\FrameRestore=\catcode`\| % for debug
10403 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10404 \def\fb@put@frame#1#2{\relax
10405   \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
10406 |   \message{===== Entering putframe =====^~J
10407 |     \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
10408   \ifinner
10409     \fb@putboxa#1%
10410     \fb@afterframe
10411   \else
10412     \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10413     \ifdim\dimen@<2\baselineskip % Too little room on page
10414 |     \message{Page has only \the\dimen@space room left; eject.}%
10415     \eject \fb@adjheight \fb@put@frame#1#2%
10416   \else % there's appreciable room left on the page
10417     \fb@sizeofframe#1%
10418 |     \message{\string\pagetotal=\the\pagetotal,
10419 |       \string\pagegoal=\the\pagegoal,
10420 |       \string\pagestretch=\the\pagestretch,
10421 |       \string\pageshrink=\the\pageshrink,
10422 |       \string\fb@frh=\the\fb@frh. \space}
10423 |     \message{^~JBox of size \the\ht\@tempboxa\space}%
10424     \begingroup % temporarily set \dimen@ to be...
10425     \advance\dimen@.8\pageshrink % maximum space available on page
10426     \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10427 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!

```




```

10428 \expandafter\endgroup
10429 % expand \ifdim, then restore \dimen@ to real room left on page
10430 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10431 | \message{fits in \the\dimen@. }%
10432 % ToDo: Change this to use vsplit anyway to capture the marks
10433 % MERGE THIS WITH THE else CLAUSE!!!
10434 \fb@putboxa#1%
10435 \fb@afterframe
10436 \else % box must be split
10437 | \message{must be split to fit in \the\dimen@. }%
10438 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10439 \fb@sizeofframe#2%
10440 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10441 | \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10442 | \kern137sp\kern-137sp\penalty-30
10443 | \unvbox\@tempboxa}%
10444 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10445 | \splittopskip\the\splittopskip}%
10446 \boxmaxdepth\z@ \splittopskip\z@
10447 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10448 % Split box here
10449 \setbox\tw@\vsplit\@tempboxa to\dimen@
10450 | \toks99\expandafter{\splitfirstmark}%
10451 | \toks98\expandafter{\splitbotmark}%
10452 | \message{Marks are: \the\toks99, \the\toks98. }%
10453 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10454 | \message{Natural height of split box is \the\ht\tw@, leaving
10455 | \the\ht\@tempboxa\space remainder. }%
10456 % If the split-to size > (\vsize-\topskip), then set box to full size.
10457 \begingroup
10458 \advance\dimen@\topskip
10459 \expandafter\endgroup
10460 \ifdim\dimen@>\pagegoal
10461 | \message{Frame is big -- Use up the full column. }%
10462 \dimen@ii\pagegoal
10463 \advance\dimen@ii -\topskip
10464 \advance\dimen@ii \FrameHeightAdjust\relax
10465 \else % suspect this is implemented incorrectly:
10466 % If the split-to size > feasible room_on_page, rebox it smaller.
10467 \advance\dimen@.8\pageshrink
10468 \ifdim\ht\tw@>\dimen@
10469 | \message{Box too tall; rebox it to \the\dimen@. }%
10470 \dimen@ii\dimen@
10471 \else % use natural size
10472 \dimen@ii\ht\tw@
10473 \fi
10474 \fi
10475 % Re-box contents to desired size \dimen@ii
10476 \advance\dimen@ii -\fb@frh
10477 \setbox\tw@\vbox to\dimen@ii \bgroup

```



```

10478 % remove simulated frame and page flexibility:
10479 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10480 \unvbox\tw@ \unpenalty\unpenalty
10481 \ifdim\lastkern=-137sp % whole box went to next page
10482 | \message{box split at beginning! }%
10483 % need work here???
10484 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10485 \fb@adjheight
10486 \fb@put@frame#1#2% INSERTED ???
10487 \else % Got material split off at the head
10488 \egroup \fb@resto@set
10489 \ifvoid\@tempboxa % it all fit after all
10490 | \message{box split at end! }%
10491 \setbox\@tempboxa\box\tw@
10492 \fb@putboxa#1%
10493 \fb@afterframe
10494 \else % it really did split
10495 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
10496 \ifdim\wd\tw@>\z@
10497 \wd\tw@\wd\@tempboxa
10498 \centerline{#2{\hboxL{box\tw@}}}% ??? \centerline bad idea
10499 \else
10500 | \message{Zero width means likely blank. Don't frame it (guess)}%
10501 \box\tw@
10502 \fi
10503 \hrule \@height\z@ \@width\hsize
10504 \eject
10505 \fb@adjheight
10506 \fb@put@frame\LastFrameCommand\MidFrameCommand
10507 \fi\fi\fi\fi\fi
10508 }
10509 \def\fb@putboxa#1{%
10510 \ifvoid\@tempboxa
10511 \PackageWarning{framed}{Boxa is void -- discard it. }%
10512 \else
10513 | \message{Frame and place boxa. }%
10514 | %{\showoutput\showbox\@tempboxa}%
10515 \centerline{#1{\hboxL{box\@tempboxa}}}%
10516 \fi
10517 }
10518 \catcode`\|=\FrameRestore
10519 \def\FrameRestore{%
10520 \let\if@nobreak\iffalse
10521 \let\if@noskipsec\iffalse
10522 \let\-\@dischph
10523 \let'\@acci\let'\@accii\let\=\@acciii
10524 % \message{FrameRestore:
10525 % \@totalleftmargin=\the \@totalleftmargin,
10526 % \rightmargin=\the\rightmargin,
10527 % \@listdepth=\the\@listdepth. }%

```



```

10528 % Test if we are in a list (or list-like paragraph)
10529 \ifnum \ifdim \@totalleftmargin>\z@ 1\fi
10530       \ifdim \rightmargin>\z@ 1\fi
10531       \ifnum \@listdepth>\z@ 1\fi 0>\z@
10532 %   \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10533 %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10534 %   \labelwidth=\the\labelwidth. }%
10535 %   \@setminipage % snug fit around the item
10536 % Now try to propagate changes of width from \hsize to list parameters.
10537 % This is deficient, but a more advanced way to indicate modification to text
10538 % dimensions is not (yet) provided; in particular, no separate left/right
10539 % adjustment.
10540 % advance\linewidth-\columnwidth \advance\linewidth\hsize
10541 % \parshape\@ne \@totalleftmargin \linewidth
10542 \else % Not in list
10543       \linewidth=\hsize
10544       %\message{No list, set \string\linewidth=\the\hsize. }%
10545 \fi
10546 \sloppy
10547 }

```

7.65 ftnright-xetex-bidi.def

```

10548 \ProvidesFile{ftnright-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for ftnright package for
10549 \def\LTR@outputdblcol{\if@firstcolumn
10550   \global\@firstcolumnfalse
10551   \global\setbox\@leftcolumn\box\@outputbox
10552   \global\count\footins\@m
10553   \global\skip\footins\rcol@footinsskip
10554 \else \preparefootins
10555   \global\@firstcolumntrue
10556   \setbox\@outputbox\vbox{\hbox to\textwidth
10557     {\hbox to\columnwidth
10558       {\box\@leftcolumn\hss}}%
10559     \hfil\vrule\@width\columnseprule\hfil
10560     \hbox to\columnwidth
10561       {\box\@outputbox\hss}}}%
10562 \@combinedblfloats\@outputpage
10563 \begingroup
10564   \@dblfloatplacement\@startdblcolumn
10565   \@whiles\if@fcolmade\fi
10566     {\@outputpage\@startdblcolumn}%
10567 \endgroup
10568 \fi}
10569 \def\RTL@outputdblcol{\if@firstcolumn
10570   \global\@firstcolumnfalse
10571   \global\setbox\@leftcolumn\box\@outputbox
10572   \global\count\footins\@m
10573   \global\skip\footins\rcol@footinsskip
10574 \else \preparefootins

```



```

10575 \global\@firstcolumntrue
10576 \setbox\@outputbox\vbox{\hbox to\textwidth
10577   {\hskip \columnwidth
10578     \hfil \vrule width\columnseprule \hfil
10579     \hbox to\columnwidth
10580       {\box\@leftcolumn\hss}}%
10581   \hskip -\textwidth
10582   \hbox to\columnwidth
10583     {\box\@outputbox\hss}
10584   \hskip \columnsep
10585   \hskip \columnwidth}}%
10586 \@combinedblfloats\@outputpage
10587 \begingroup
10588 \@dblfloatplacement\@startdblcolumn
10589 \@whiles\if@colmade\fi
10590   {\@outputpage\@startdblcolumn}%
10591 \endgroup
10592 \fi}
10593 \let\leftfootnoterule\@empty
10594 \let\rightfootnoterule\@empty
10595 \let\textwidthfootnoterule\@empty
10596 \let\autofootnoterule\@empty
10597 \let\footnoterule\@empty
10598 \long\def\@makefnmark#1{\parindent 1em
10599   \noindent\hbox to 2em{}}%
10600 \llap{\@thefnmark\hbox{.}\,\,\,}\#1}

```

7.66 graphicx-xetex-bidi.def

```

10601 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
10602 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
10603   \Grot@setangle{#1}%
10604   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\end
10605   \Grot@x\z@
10606   \Grot@y\z@
10607   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
10608 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10609   \leavevmode
10610   \def\Gscale@x{#1}\def\Gscale@y{#2}%
10611   \setbox\z@\hbox{{#3}}%
10612   \setbox\zw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10613   \ifdim#2\p<\z@
10614     \ht\zw@-#2\dp\z@
10615     \dp\zw@-#2\ht\z@
10616   \else
10617     \ht\zw@#2\ht\z@
10618     \dp\zw@#2\dp\z@
10619   \fi
10620   \ifdim#1\p<\z@
10621     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\zw@\hss}%

```



```

10622 \else
10623     \wd\tw@#1\wd\z@
10624     \box\tw@
10625     \fi\ifmmode\else\if@RTL\endL\fi\fi}
10626 \def\Gin@iii[#1,#2][#3,#4]#5{%
10627     \begingroup
10628     \ifmmode\else\if@RTL\beginL\fi\fi
10629     \Gin@bboxtrue
10630     \Gin@defaultbp\Gin@llx{#1}%
10631     \Gin@defaultbp\Gin@lly{#2}%
10632     \Gin@defaultbp\Gin@urx{#3}%
10633     \Gin@defaultbp\Gin@ury{#4}%
10634     \Gin@include@graphics{#5}%
10635     \ifmmode\else\if@RTL\endL\fi\fi
10636     \endgroup}
10637 \def\Gin@ii[#1]#2{%
10638     \def\@tempa{[]}\def\@tempb{#2}%
10639     \ifx\@tempa\@tempb
10640         \def\@tempa{\Gin@iii[#1] []}%
10641         \expandafter\@tempa
10642     \else
10643         \begingroup
10644         \ifmmode\else\if@RTL\beginL\fi\fi
10645         \@tempswafalse
10646         \toks@{\Gin@include@graphics{#2}}%
10647         \setkeys{Gin}{#1}%
10648         \Gin@esetsize
10649         \the\toks@
10650         \ifmmode\else\if@RTL\endL\fi\fi
10651     \endgroup
10652     \fi}
10653 \def\reflectbox{\bidiGscale@box-1[1]}
10654 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10655     \leavevmode
10656     \def\Gscale@x{#1}\def\Gscale@y{#2}%
10657     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
10658     \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10659     \ifdim#2\p<\z@
10660         \ht\tw@-#2\dp\z@
10661         \dp\tw@-#2\ht\z@
10662     \else
10663         \ht\tw@#2\ht\z@
10664         \dp\tw@#2\dp\z@
10665     \fi
10666     \ifdim#1\p<\z@
10667         \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10668     \else
10669         \wd\tw@#1\wd\z@
10670         \box\tw@
10671     \fi\ifmmode\else\if@RTL\endL\fi\fi}

```



```

10672 \def\scalebox#1{%
10673   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
10674 \def\resizebox{%
10675   \leavevmode
10676   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
10677 \def\bidiGscale@@box#1#2#3{%
10678   \let\@tempa\Gin@exclamation
10679   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
10680   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
10681   \ifx\@tempb\@tempa
10682     \ifx\@tempc\@tempa
10683       \toks@{\mbox}%
10684     \else
10685       \toks@{\bidiGscale@box@odd{#3}#1}%
10686     \fi
10687   \else
10688     \ifx\@tempc\@tempa
10689       \toks@{\bidiGscale@box@dd{#2}\width}%
10690     \else
10691       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
10692     \fi
10693   \fi
10694   \the\toks@}
10695 \long\def\bidiGscale@box@dd#1#2#3{%
10696   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
10697     \setlength\@tempdima{#1}%
10698     \setlength\@tempdimb{#2}%
10699     \Gscale@div\@tempa\@tempdima\@tempdimb
10700     \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
10701   \@end@tempboxa}
10702 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
10703   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
10704     \setlength\@tempdima{#1}%
10705     \setlength\@tempdimb{#2}%
10706     \Gscale@div\@tempa\@tempdima\@tempdimb
10707     \setlength\@tempdima{#3}%
10708     \setlength\@tempdimb{#4}%
10709     \Gscale@div\@tempb\@tempdima\@tempdimb
10710     \ifGin@iso
10711       \ifdim\@tempa\p@>\@tempb\p@
10712         \let\@tempa\@tempb
10713       \else
10714         \let\@tempb\@tempa
10715       \fi
10716     \fi
10717     \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
10718   \@end@tempboxa}

```

7.67 geometry-xetex-bidi.def



```

10719 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for X
10720 \renewcommand*{\Gm@vrules@mpi}{%
10721 \if@RTLmain%
10722     \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10723     \llap{\Gm@vrule}\ignorespaces
10724     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10725     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
10726 \else%
10727 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
10728 \hskip \textwidth\Gm@vrule\hskip \marginparsep
10729 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
10730 \renewcommand*{\Gm@vrules@mpii}{%
10731 \if@RTLmain%
10732     \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
10733     \hskip \textwidth\Gm@vrule\hskip \marginparsep
10734     \llap{\Gm@vrule}\hfil\Gm@vrule}%
10735 \else%
10736 \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10737 \llap{\Gm@vrule}\ignorespaces
10738 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10739 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
10740

```

7.68 hvfloat-xetex-bidi.def

```

10741 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
10742 \def\do@hvFloat[#1]#2#3{%
10743 \def\hv@shortCap{#1}
10744 \def\hv@longCap{#2}
10745 \def\hv@label{#3}
10746 %\newcommand*{\hvFloat}[5][ ]{%
10747 % [#1]: keyvalues
10748 % #2: type figure | table | ...
10749 % #3: float contents
10750 % [#4]: short caption
10751 % #5: caption
10752 % #6: label
10753 % \setDefaults%
10754 % \def\@tempa{#1}%
10755 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
10756 \def\@tempa{90}%
10757 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
10758 \else \setlength{\hvMaxCapWidth}{\linewidth}
10759 \fi
10760 %
10761 % First we save the object in \hvObjectBox
10762 %
10763 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
10764 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
10765 \else

```



```

10766 \savebox{\hvObjectBox}{%
10767 \rotatebox{\hvSet@objectAngle}{%
10768 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
10769 \fi
10770 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
10771 %
10772 % Now we save the caption with its defined \hvCapWidth
10773 %
10774 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
10775 \else
10776 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
10777 \else
10778 \setlength{\hvCapWidth}{\hvObjectWidth}
10779 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
10780 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
10781 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
10782 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
10783 \else
10784 \setlength{\hvCapWidth}{\hvMaxCapWidth}
10785 \fi
10786 \fi
10787 \fi
10788 %
10789 % now we have the object and the caption with the right
10790 % rotated angles saved in boxes
10791 %
10792 \def\fps@figure{\hvSet@floatPos}
10793 \ifhv@nonFloat\begin{group}% Start the nonfloat part
10794 \else \begin{\hv@floatType}% Start the floating environment
10795 \fi%
10796 \saveCaptionSkip% we put this space ourselves
10797 \ifx\hvSet@capAngle\hv@Width % need rotation?
10798 \sbox{\hvCaptionBox}{%
10799 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10800 \ifhv@nonFloat%
10801 \ifhv@onlyText#2%
10802 \else%
10803 \ifx\hv@floatType\hv@figure
10804 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10805 \else
10806 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10807 \fi
10808 \fi
10809 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10810 \fi%
10811 \label{#3}%
10812 \end{minipage}%
10813 }%
10814 \else%
10815 \sbox{\hvCaptionBox}{%

```




```

10816      \rotatebox{\hvSet@capAngle}{%
10817      \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10818 \ifhv@nonFloat%
10819     \ifhv@onlyText#2%
10820     \else%
10821     \ifx\hv@floatType\hv@figure
10822     \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10823     \else
10824     \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10825     \fi
10826 \fi
10827 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10828     \fi%
10829     \label{#3}%
10830     \end{minipage}%
10831     }%
10832 }%
10833 \fi%
10834 %%
10835 \restoreCaptionSkip% save old values
10836 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
10837 \else%
10838 \ifx\hvSet@objectPos\hv@Center
10839 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
10840 \fi%
10841 \fi%
10842 %
10843 % to rotate object and caption together, we save all in another box
10844 % the caption comes first, if its on the left or the top
10845 %
10846 \savebox{\@tempboxa}{%
10847 \ifx\hvSet@capPos\hv@Left % caption on left side
10848 \if@RTL%
10849 \ifx\hvSet@capVPos\hv@Center%
10850 \ifhv@fbox
10851 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10852 \else
10853 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10854 \fi%
10855 \hspace{\hvSet@floatCapSep pt}%
10856 \ifhv@fbox
10857 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10858 \else
10859 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10860 \fi%
10861 \else%
10862 \ifx\hvSet@capVPos\hv@Top
10863 \ifhv@fbox
10864 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10865 \else

```



```

10866 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10867 \fi%
10868 \hspace{\hvSet@floatCapSep pt}%
10869 \ifhv@fbox
10870 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10871 \else
10872 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10873 \fi
10874 \else
10875 \ifhv@fbox
10876 \fbox{\usebox{\hvObjectBox}}%
10877 \else
10878 \usebox{\hvObjectBox}%
10879 \fi
10880 \hspace{\hvSet@floatCapSep pt}%
10881 \ifhv@fbox
10882 \fbox{\usebox{\hvCaptionBox}}%
10883 \else
10884 \usebox{\hvCaptionBox}%
10885 \fi%
10886 \fi%
10887 \fi%
10888 \else% not RTL
10889 \ifx\hvSet@capVPos\hv@Center%
10890 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10891 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10892 \fi%
10893 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10894 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10895 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10896 \fi%
10897 \else%
10898 \ifx\hvSet@capVPos\hv@Top % caption at top
10899 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10900 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10901 \fi
10902 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10903 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10904 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10905 \fi%
10906 \else% caption on bottom
10907 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
10908 \else\usebox{\hvCaptionBox}
10909 \fi%
10910 \hspace{\hvSet@floatCapSep pt}%
10911 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
10912 \else \usebox{\hvObjectBox}
10913 \fi%
10914 \fi%
10915 \fi% end of RTL

```



```

10916 \fi%
10917 \else
10918 \ifx\hvSet@capPos\hv@Top
10919 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10920 \begin{minipage}{\wd\hvCaptionBox}
10921 \else
10922 \begin{minipage}{\wd\hvObjectBox}
10923 \fi
10924 \centering
10925 \ifhv@fbox
10926 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
10927 \fbox{\usebox{\hvObjectBox}}
10928 \else
10929 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
10930 \usebox{\hvObjectBox}
10931 \fi%
10932 \end{minipage}
10933 \else
10934 \ifx\hvSet@capPos\hv@Bottom
10935 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10936 \begin{minipage}{\wd\hvCaptionBox}
10937 \else
10938 \begin{minipage}{\wd\hvObjectBox}
10939 \fi
10940 \centering
10941 \ifhv@fbox
10942 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
10943 \fbox{\usebox{\hvCaptionBox}}
10944 \else
10945 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
10946 \usebox{\hvCaptionBox}
10947 \fi%
10948 \end{minipage}
10949 \else% the last option: put the caption on the right
10950 \if@RTL%
10951 \ifx\hvSet@capVPos\hv@Center%
10952 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10953 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10954 \fi%
10955 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10956 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10957 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10958 \fi%
10959 \else%
10960 \ifx\hvSet@capVPos\hv@Top % caption at top
10961 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10962 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10963 \fi
10964 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10965 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%

```



```

10966         \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
10967         \fi%
10968     \else% caption on bottom
10969         \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
10970             \else\usebox{\hvCaptionBox}
10971         \fi%
10972         \hspace{\hvSet@floatCapSep pt}%
10973         \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
10974         \else      \usebox{\hvObjectBox}
10975         \fi%
10976     \fi%
10977 \fi%
10978 \else% not RTL
10979 \ifx\hvSet@capVPos\hv@Center%
10980 \ifhv@fbox
10981 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10982 \else
10983 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10984 \fi%
10985 \hspace{\hvSet@floatCapSep pt}%
10986 \ifhv@fbox
10987 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10988 \else
10989 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10990 \fi%
10991 \else%
10992 \ifx\hvSet@capVPos\hv@Top
10993 \ifhv@fbox
10994 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10995 \else
10996 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10997 \fi%
10998 \hspace{\hvSet@floatCapSep pt}%
10999 \ifhv@fbox
11000 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11001 \else
11002 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11003 \fi
11004 \else
11005 \ifhv@fbox
11006 \fbbox{\usebox{\hvObjectBox}}%
11007 \else
11008 \usebox{\hvObjectBox}%
11009 \fi
11010 \hspace{\hvSet@floatCapSep pt}%
11011 \ifhv@fbox
11012 \fbbox{\usebox{\hvCaptionBox}}%
11013 \else
11014 \usebox{\hvCaptionBox}%
11015 \fi%

```



```

11016 \fi%
11017 \fi
11018 \fi% end of RTL
11019 \fi
11020 \fi
11021 \fi
11022 }% End savebox Object and caption
11023 %
11024 % now we rotate the object and caption, if needed
11025 %
11026 \ifx\hvSet@rotAngle\hv@Zero
11027 \usebox{\@tempboxa}
11028 \else
11029 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11030 \fi
11031 \ifhv@nonFloat
11032 \ifx\hvSet@objectPos\hv@Center
11033 \ifhv@nonFloat
11034 \hspace{\fill}
11035 \fi
11036 \fi
11037 \endgroup% End the nonfloat part
11038 \else
11039 \end{\hv@floatType}% End the floating environment
11040 \fi
11041 }

```

7.6g hyperref-xetex-bidi.def

```

11042 \ProvidesFile{hyperref-xetex-bidi.def}[2014/11/08 v0.8 bidi adaptations for hyperref package for
11043 \AtBeginDocument{%
11044 \def\contentsline#1#2#3#4{%
11045 \ifx\\#4\\%
11046 \csname l@#1\endcsname{#2}{#3}%
11047 \else
11048 \ifcase\Hy@linktoc % none
11049 \csname l@#1\endcsname{#2}{#3}%
11050 \or % section
11051 \csname l@#1\endcsname{%
11052 \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
11053 }{#3}%
11054 \or % page
11055 \csname l@#1\endcsname{#2}{#3}%
11056 \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
11057 }%
11058 \else % all
11059 \csname l@#1\endcsname{%
11060 \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
11061 }{#3}%
11062 \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL

```



```

11063     }%
11064     \fi
11065     \fi
11066 }
11067 \ifHy@hyperfootnotes
11068   \let\H@@footnotetext\@footnotetext
11069   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11070   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11071   \def\@xfootnotenext[#1]{%
11072     \begingroup
11073       \csname c@\@mpfn\endcsname #1\relax
11074       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11075     \endgroup
11076     \ifx\@footnotetext\@mpfootnotetext
11077       \expandafter\H@@mpfootnotetext
11078     \else
11079       \expandafter\H@@footnotetext
11080     \fi
11081   }%
11082   \def\@xRTLfootnotenext[#1]{%
11083     \begingroup
11084       \csname c@\@mpfn\endcsname #1\relax
11085       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11086     \endgroup
11087     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11088       \expandafter\HRTL@mpRTLfootnotetext
11089     \else
11090       \expandafter\HRTL@RTLfootnotetext
11091     \fi
11092   }%
11093   \def\@xLTRfootnotenext[#1]{%
11094     \begingroup
11095       \csname c@\@mpfn\endcsname #1\relax
11096       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11097     \endgroup
11098     \ifx\@LTRfootnotetext\@mpLTRfootnotetext
11099       \expandafter\HLTR@mpLTRfootnotetext
11100     \else
11101       \expandafter\HLTR@LTRfootnotetext
11102     \fi
11103   }%
11104   \def\@xfootnotemark[#1]{%
11105     \begingroup
11106       \c@footnote #1\relax
11107       \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11108     \endgroup
11109     \H@@footnotemark
11110   }%
11111   \let\H@@mpfootnotetext\@mpfootnotetext
11112   \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext

```



```

11113 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11114 \long\def\@mpfootnotetext#1{%
11115   \H@mpfootnotetext{%
11116     \ifHy@nesting
11117       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11118     \else
11119       \Hy@raisedlink{%
11120         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11121       }#1%
11122     \fi
11123   }%
11124 }%
11125 \long\def\@mpRTLfootnotetext#1{%
11126   \HRTL@mpRTLfootnotetext{%
11127     \ifHy@nesting
11128       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11129     \else
11130       \Hy@raisedlink{%
11131         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11132       }#1%
11133     \fi
11134   }%
11135 }%
11136 \long\def\@mpLTRfootnotetext#1{%
11137   \HLTR@mpLTRfootnotetext{%
11138     \ifHy@nesting
11139       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11140     \else
11141       \Hy@raisedlink{%
11142         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11143       }#1%
11144     \fi
11145   }%
11146 }%
11147 \long\def\@footnotetext#1{%
11148   \H@@footnotetext{%
11149     \ifHy@nesting
11150       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11151     \else
11152       \Hy@raisedlink{%
11153         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11154       }%
11155       \let\@currentHlabel\Hy@footnote@currentHlabel
11156       \let\@currentHref\Hy@footnote@currentHref
11157       \let\@currentlabelname\@empty
11158       #1%
11159     \fi
11160   }%
11161 }%
11162 \long\def\@RTLfootnotetext#1{%

```



```

11163 \HRTL@RTLfootnotetext{%
11164     \ifHy@nesting
11165         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11166     \else
11167         \Hy@raisedlink{%
11168             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11169         }%
11170         \let\@currentHlabel\Hy@footnote@currentHlabel
11171         \let\@currentHref\Hy@footnote@currentHref
11172         \let\@currentlabelname\@empty
11173         #1%
11174     \fi
11175 }%
11176 }%
11177 \long\def\@LTRfootnotetext#1{%
11178 \HLTR@LTRfootnotetext{%
11179     \ifHy@nesting
11180         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11181     \else
11182         \Hy@raisedlink{%
11183             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11184         }%
11185         \let\@currentHlabel\Hy@footnote@currentHlabel
11186         \let\@currentHref\Hy@footnote@currentHref
11187         \let\@currentlabelname\@empty
11188         #1%
11189     \fi
11190 }%
11191 }%
11192 \def\@footnotemark{%
11193     \leavevmode
11194     \ifhmode\edef\@x@sf{\the\spacefactor}\nobreak\fi
11195     \stepcounter{Hfootnote}%
11196     \global\let\Hy@saved@currentHlabel\@currentHlabel
11197     \global\let\Hy@saved@currentHref\@currentHref
11198     \hyper@makecurrent{Hfootnote}%
11199     \global\let\Hy@footnote@currentHlabel\@currentHlabel
11200     \global\let\Hy@footnote@currentHref\@currentHref
11201     \global\let\@currentHlabel\Hy@saved@currentHlabel
11202     \global\let\@currentHref\Hy@saved@currentHref
11203     \beginL\hyper@linkstart{link}{\Hy@footnote@currentHref}%
11204     \@makefnmark
11205     \hyper@linkend\endL
11206     \ifhmode\spacefactor\@x@sf\fi
11207     \relax
11208 }%
11209 \@ifpackageloaded{tabularx}{%
11210     \let\HyOrg@TX@endtabularx\TX@endtabularx
11211     \def\Hy@tabularx@hook{%
11212         \let\@footnotetext\H@footnotetext

```




```

11213 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11214 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11215 \let\@footnotemark\H@@footnotemark
11216 \let\@mpfootnotetext\H@@mpfootnotetext
11217 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
11218 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
11219 }%
11220 \begingroup
11221 \toks@\expandafter{\TX@endtabularx}%
11222 \xdef\Hy@gtemp{%
11223 \noexpand\Hy@tabularx@hook
11224 \the\toks@
11225 }%
11226 \endgroup
11227 \let\TX@endtabularx\Hy@gtemp
11228 }{}%
11229 \@ifpackageloaded{longtable}{%
11230 \CheckCommand*{\LT@p@LTRftntext}[1]{%
11231 \edef\@tempa{%
11232 \the\LT@p@ftn
11233 \noexpand\LTRfootnotetext[\the\c@footnote]}%
11234 }%
11235 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11236 }%
11237 \long\def\LT@p@LTRftntext#1{%
11238 \edef\@tempa{%
11239 \the\LT@p@ftn
11240 \begingroup
11241 \noexpand\c@footnote=\the\c@footnote\relax
11242 \noexpand\protected@xdef\noexpand\@thefnmark{%
11243 \noexpand\thempfn
11244 }%
11245 \noexpand\Hy@LT@LTRfootnotetext{%
11246 \Hy@footnote@currentHref
11247 }%
11248 }%
11249 \global\LT@p@ftn\expandafter{%
11250 \@tempa{#1}%
11251 \endgroup
11252 }%
11253 }%
11254 \long\def\Hy@LT@LTRfootnotetext#1#2{%
11255 \HLTR@@LTRfootnotetext{%
11256 \ifHy@nesting
11257 \hyper@@anchor{#1}{#2}%
11258 \else
11259 \Hy@raisedlink{%
11260 \hyper@@anchor{#1}{\relax}%
11261 }%
11262 \def\@currentHref{#1}%

```



```

11263         \let\@currentlabelname\@empty
11264         #2%
11265     \fi
11266 }%
11267 }%
11268 \CheckCommand*{\LT@p@RTLftntext}[1]{%
11269     \edef\@tempa{%
11270         \the\LT@p@ftn
11271         \noexpand\RTLfootnotetext[\the\c@footnote]%
11272     }%
11273     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11274 }%
11275 \long\def\LT@p@RTLftntext#1{%
11276     \edef\@tempa{%
11277         \the\LT@p@ftn
11278         \beginingroup
11279         \noexpand\c@footnote=\the\c@footnote\relax
11280         \noexpand\protected@xdef\noexpand\@thefnmark{%
11281             \noexpand\thempfn
11282         }%
11283         \noexpand\Hy@LT@RTLfootnotetext{%
11284             \Hy@footnote@currentHref
11285         }%
11286     }%
11287     \global\LT@p@ftn\expandafter{%
11288         \@tempa{#1}%
11289     \endgroup
11290 }%
11291 }%
11292 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11293     \HRTL@RTLfootnotetext{%
11294         \ifHy@nesting
11295             \hyper@@anchor{#1}{#2}%
11296         \else
11297             \Hy@raisedlink{%
11298                 \hyper@@anchor{#1}{\relax}%
11299             }%
11300             \def\@currentHref{#1}%
11301             \let\@currentlabelname\@empty
11302             #2%
11303         \fi
11304     }%
11305 }%
11306 }{}%
11307 \@ifpackageloaded{bidipoem}{%
11308     \long\def\bidipoem@p@ftntext#1{%
11309         \edef\@tempx{%
11310             \the\bidipoem@p@ftn
11311             \beginingroup
11312             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax

```



```

11313         \noexpand\protected@xdef\noexpand\@thefnmark{%
11314             \noexpand\thempfn
11315         }%
11316         \noexpand\Hy@bidipoem@footnotetext{%
11317             \Hy@footnote@currentHref
11318         }%
11319     }%
11320     \global\bidipoem@p@ftn\expandafter{%
11321         \@tempx{#1}%
11322     \endgroup
11323 }%
11324 }%
11325 \long\def\Hy@bidipoem@footnotetext#1#2{%
11326     \H@@footnotetext{%
11327         \ifHy@nesting
11328             \hyper@@anchor{#1}{#2}%
11329         \else
11330             \Hy@raisedlink{%
11331                 \hyper@@anchor{#1}{\relax}%
11332             }%
11333             \def\@currentHref{#1}%
11334             \let\@currentlabelname\@empty
11335             #2%
11336         \fi
11337     }%
11338 }%
11339 \long\def\bidipoem@p@LTRftntext#1{%
11340     \edef\@tempxi{%
11341         \the\bidipoem@p@ftn
11342     \begingroup
11343     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11344     \noexpand\protected@xdef\noexpand\@thefnmark{%
11345         \noexpand\thempfn
11346     }%
11347     \noexpand\Hy@bidipoem@LTRfootnotetext{%
11348         \Hy@footnote@currentHref
11349     }%
11350 }%
11351 \global\bidipoem@p@ftn\expandafter{%
11352     \@tempxi{#1}%
11353 \endgroup
11354 }%
11355 }%
11356 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11357     \HLTR@@LTRfootnotetext{%
11358         \ifHy@nesting
11359             \hyper@@anchor{#1}{#2}%
11360         \else
11361             \Hy@raisedlink{%
11362                 \hyper@@anchor{#1}{\relax}%

```



```

11363     }%
11364     \def\@currentHref{#1}%
11365     \let\@currentlabelname\@empty
11366     #2%
11367   \fi
11368 }%
11369 }%
11370   \long\def\bidipoem@p@RTLftntext#1{%
11371   \edef\@tempxi{%
11372     \the\bidipoem@p@ftn
11373     \begingroup
11374     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11375     \noexpand\protected@xdef\noexpand\@thefnmark{%
11376       \noexpand\thempfn
11377     }%
11378     \noexpand\Hy@bidipoem@RTLfootnotetext{%
11379       \Hy@footnote@currentHref
11380     }%
11381   }%
11382   \global\bidipoem@p@ftn\expandafter{%
11383     \@tempxi{#1}%
11384   \endgroup
11385   }%
11386 }%
11387 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11388   \HRTL@RTLfootnotetext{%
11389     \ifHy@nesting
11390       \hyper@@anchor{#1}{#2}%
11391     \else
11392       \Hy@raisedlink{%
11393         \hyper@@anchor{#1}{\relax}%
11394       }%
11395       \def\@currentHref{#1}%
11396       \let\@currentlabelname\@empty
11397       #2%
11398     \fi
11399   }%
11400 }%
11401 }{}%
11402 \let\HyOrg@maketitle\maketitle
11403 \def\maketitle{%
11404   \let\Hy@saved@footnotemark\@footnotemark
11405   \let\Hy@saved@footnotetext\@footnotetext
11406   \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11407   \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11408   \let\@footnotemark\H@@footnotemark
11409   \let\@footnotetext\H@@footnotetext
11410   \let\@RTLfootnotetext\HRTL@RTLfootnotetext
11411   \let\@LTRfootnotetext\HLTR@LTRfootnotetext
11412   \@ifnextchar[\Hy@maketitle@optarg{% ]

```



```

11413 \HyOrg@maketitle
11414 \Hy@maketitle@end
11415 }%
11416 }%
11417 \def\Hy@maketitle@optarg[#1]{%
11418 \HyOrg@maketitle[{#1}]%
11419 \Hy@maketitle@end
11420 }%
11421 \def\Hy@maketitle@end{%
11422 \ifx\@footnotemark\H@@footnotemark
11423 \let\@footnotemark\Hy@saved@footnotemark
11424 \fi
11425 \ifx\@footnotetext\H@@footnotetext
11426 \let\@footnotetext\Hy@saved@footnotetext
11427 \fi
11428 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11429 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11430 \fi
11431 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11432 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11433 \fi
11434 }%
11435 \def\realfootnote{%
11436 \@ifnextchar[\@xfootnote{%
11437 \stepcounter{\@mpfn}%
11438 \protected@xdef\@thefnmark{\thempfn}%
11439 \H@@footnotemark\H@@footnotetext
11440 }%
11441 }%
11442 \fi
11443 \def\hyper@link#1#2#3{%
11444 \ifmmode\else\beginL\fi\hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\endR\fi
11445 }
11446 \def\url@#1{\beginL\hyper@linkurl{\Hurl{#1}}{#1}\endL}
11447 \def\hyper@natlinkstart#1{%
11448 \Hy@backout{#1}%
11449 \beginL\hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11450 \def\hyper@nat@current{#1}%
11451 }
11452 \def\hyper@natlinkend{%
11453 \if@RTL\endR\fi\hyper@linkend\endL
11454 }
11455 \def\hyper@natlinkbreak#1#2{%
11456 \if@RTL\endR\fi\hyper@linkend\endL#1\beginL\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11457 }%
11458 }
11459 \begingroup
11460 \catcode`\$=6 %
11461 \catcode`\#=12 %
11462 \gdef\href$1{\expandafter\href@split$1##\\}%

```



```

11463 \gdef\href@split$1#$2#$3\\$4{%
11464 \beginL\hyper@link{$1}->{$2}{\ifRTL\beginR\fi$4\ifRTL\endR\fi}\endL%
11465 \endgroup
11466 }%
11467 \endgroup
11468 \pdfstringdefDisableCommands{%
11469 \let\LRE\@firstofone
11470 \let\LR\@firstofone
11471 \let\RE\@firstofone
11472 \let\RL\@firstofone
11473 \def\XeTeX{Xe\TeX}
11474 \def\XeLaTeX{Xe\LaTeX}
11475 }
11476 \ifpackageloaded{longtable}{%
11477 \begingroup
11478 \def\y{\LT@array}%
11479 \@ifundefined{scrLT@array}{%
11480 \@ifundefined{adlLT@array}{\def\y{\adlLT@array}}%
11481 }{\def\y{\scrLT@array}}%
11482 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
11483 \expandafter\endgroup
11484 \expandafter\def\y[##1]##2{%
11485 \H@refstepcounter{#1}%
11486 \hyper@makecurrent{table}%
11487 \let\Hy@LT@currentHref\@currentHref
11488 #2\@sharp####4%
11489 }%
11490 }%
11491 \expandafter\expandafter\expandafter\x\y[##1]##2\@nil
11492 \begingroup
11493 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
11494 \endgroup
11495 \def\LT@start{%
11496 #1%
11497 \ifvoid\LT@foot#2\fi
11498 \let\@currentHref\Hy@LT@currentHref
11499 \Hy@raisedlink{%
11500 \hyper@anchorstart{\@currentHref}\hyper@anchorend
11501 }%
11502 #3%
11503 }%
11504 }%
11505 \expandafter\x\LT@start\@nil
11506 }{}

```

7.70 leqno-xetex-bidi.def

```

11507 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
11508 \renewcommand\@eqnnum{\hb@xt@.01\p@{}%
11509 \rlap{

```



```
11510 \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\}
```

7.71 letter-xetex-bidi.def

```
11511 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
11512 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11513 \thispagestyle{firstpage}%
11514 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11515 \else % home address
11516 \thispagestyle{empty}%
11517 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
11518 \fromaddress \*[2\parskip]%
11519 \@date \end{tabular}\par}%
11520 \fi
11521 \vspace{2\parskip}%
11522 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
11523 \vspace{2\parskip}%
11524 #1\par\nobreak}
11525 \renewcommand\left@footnoterule{%
11526 \kern-\p@
11527 \hrule \@width .4\columnwidth
11528 \kern .6\p@}
11529 \renewcommand\right@footnoterule{%
11530 \kern-\p@
11531 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11532 \kern .6\p@}
```

7.72 lettrine-xetex-bidi.def

```
11533 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for]
11534 \def\@lettrine[#1]#2#3{%
11535 \setcounter{L@lines}{\theDefaultLines}%
11536 \setcounter{L@depth}{\theDefaultDepth}%
11537 \renewcommand*{\L@hang}{\DefaultLhang}%
11538 \renewcommand*{\L@oversize}{\DefaultLoversize}%
11539 \renewcommand*{\L@raise}{\DefaultLraise}%
11540 \renewcommand*{\L@ante}{}%
11541 \setlength{\L@Findent}{\DefaultFindent}%
11542 \setlength{\L@Nindent}{\DefaultNindent}%
11543 \setlength{\L@slope}{\DefaultSlope}%
11544 \setlength{\L@novskip}{\DiscardVskip}%
11545 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
11546 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
11547 \if\DefaultOptionsFile\relax
11548 \else
11549 \begingroup
11550 \InputIfFileExists{\DefaultOptionsFile}%
11551 {}%
11552 {\PackageWarning{lettrine.sty}%
11553 {File \DefaultOptionsFile\space not found}%
11554 }%
```



```

11555 \def\color##1##{\l@color{##1}}%
11556 \let\l@color\@gobbletwo
11557 \def\textcolor##1##{\l@textcolor{##1}}%
11558 \def\l@textcolor##1##2##3{##3}%
11559 \expandafter\ifx\csname l@#2-keys\endcsname\relax
11560     \gdef\l@L@Keys{%
11561         \else
11562         \xdef\l@L@Keys{\csname l@#2-keys\endcsname}%
11563     \fi
11564 \endgroup
11565 \def\KV@prefix{KV@L@}%
11566 \let\@tempc\relax
11567 \expandafter\KV@do\l@L@Keys,\relax,
11568 \sbox{\L@lbox}{\LettrineFont #2}%
11569 \setlength{\LettrineWidth}{\wd\L@lbox}%
11570 \def\KV@prefix{KV@L@}%
11571 \let\@tempc\relax
11572 \expandafter\KV@do\l@L@Keys,\relax,
11573 \fi
11574 \setkeys{L}{#1}%
11575 \ifL@image
11576     \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
11577 \else
11578     \sbox{\L@lbox}{\LettrineFont #2}%
11579 \fi
11580 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
11581 \@tempdima=\baselineskip
11582 \ifnum\theL@lines=1
11583     \setlength{\L@first}{\ht\L@lbox}%
11584     \addtolength{\L@first}{-\ht\L@tbox}%
11585     \setlength{\L@lraise}{\z@}%
11586 \else
11587     \setlength{\L@first}{-\theL@lines\@tempdima}%
11588     \addtolength{\L@first}{\@tempdima}%
11589     \sbox{\@tempboxa}{\LettrineTextFont x}%
11590     \addtolength{\L@first}{-\ht\@tempboxa}%
11591     \setlength{\L@lraise}{-\L@raise\L@first}%
11592     \addtolength{\L@first}{\L@lraise}%
11593     \addtolength{\L@first}{\ht\L@lbox}%
11594     \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
11595     \addtolength{\L@lraise}{\@tempdima}%
11596 \fi
11597 \par
11598 \ifdim\L@first>\L@novskip
11599     \ifL@grid
11600         \@tempdima=\baselineskip
11601         \@tempdimb=\@tempdima
11602         \advance\@tempdimb by \L@novskip
11603         \@tempcnta=1
11604         \loop\ifdim\L@first>\@tempdimb

```




```

11605         \advance\@tempcnta by 1
11606         \advance\L@first by -\@tempdima
11607         \repeat
11608         \vskip\@tempcnta\baselineskip
11609     \else
11610         \vskip\L@first
11611     \fi
11612 \fi
11613 \setlength{\L@Pindent}{\wd\L@lbox}%
11614 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
11615 \settowidth{\L@first}{\L@ante}%
11616 \addtolength{\L@Pindent}{\L@first}%
11617 \addtolength{\L@Pindent}{\L@Findent}%
11618 \setlength{\L@first}{\linewidth}%
11619 \addtolength{\L@first}{-\L@Pindent}%
11620 \addtolength{\L@Nindent}{\L@Pindent}%
11621 \setlength{\L@next}{\linewidth}%
11622 \addtolength{\L@next}{-\L@Nindent}%
11623 \addtolength{\L@Pindent}{\rightmargin}%
11624 \addtolength{\L@Nindent}{\rightmargin}%
11625 \setlength{\LettrineWidth}{\wd\L@lbox}%
11626 \setlength{\LettrineHeight}{\ht\L@lbox}%
11627 \setlength{\LettrineDepth}{\dp\L@lbox}%
11628 \addtocounter{L@lines}{1}%
11629 \addtocounter{L@lines}{\the\c@L@depth}%
11630 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pin
11631 \@tempcnta=\tw@
11632 \@whilenum \@tempcnta<\c@L@lines\do{%
11633     \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the
11634     \addtolength{\L@Nindent}{\L@slope}%
11635     \addtolength{\L@next}{-\L@slope}%
11636     \advance\@tempcnta\@ne}%
11637 \ifRTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
11638 \noindent
11639 \parshape=\L@parshape\relax
11640 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
11641     \hskip \the\L@Findent}}%
11642 \usebox{\L@tbox}%
11643 }

```

7.73 listings-xetex-bidi.def

```

11644 \ProvidesFile{listings-xetex-bidi.def}[2015/08/23 v0.9 bidi adaptations for listings package for
11645 \lst@Key{captiondirection}{textdirection}{%
11646     \lstKV@SwitchCases{#1}%
11647     {textdirection&\\%
11648     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
11649     LTR&\chardef\bidi@lst@caption@direction\@z}%
11650 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
11651 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%

```



```

11652 \ifundefined{bidi@lst@caption@direction}{\%
11653 \ifnum\bidi@lst@caption@direction=\z@%
11654     #1%
11655 \else%
11656     \ifnum\bidi@lst@caption@direction=\@ne%
11657         #2%
11658     \fi%
11659 \fi%
11660 }}
11661 \long\def\@bidi@lst@makecaption#1#2{%
11662     \vskip\abovecaptionskip
11663     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11664     \sbox\@tempboxa{%
11665         \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
11666         #1: #2%
11667         \bidi@lst@ensure@caption@direction{\endL}{\endR}%
11668     }%
11669     \ifdim \wd\@tempboxa >\hsize
11670         #1: #2\par
11671     \else
11672         \global \@minipagefalse
11673         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
11674     \fi
11675     \vskip\belowcaptionskip}%
11676 \def\lst@makecaption{\@bidi@lst@makecaption}
11677 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
11678 \bidi@patchcmd{\lst@MakeCaption}{\%
11679     \ifx #1t%
11680         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
11681             \expandafter\refstepcounter
11682         \fi {lstlisting}}%
11683 }{\%
11684     \ifx #1t%
11685         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11686         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
11687             \expandafter\refstepcounter
11688         \fi {lstlisting}}%
11689         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
11690 }{}{}
11691 \bidi@patchcmd{\lst@MakeCaption}{\%
11692     \addcontentsline{lol}{lstlisting}%
11693     {\protect\numberline{\thelstlisting}\lst@@caption}%
11694 }{\%
11695 \begingroup%
11696     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11697     \addcontentsline{lol}{lstlisting}%
11698     {\protect\numberline{\thelstlisting}\lst@@caption}%
11699 \endgroup%
11700 }{}{}
11701 \AtBeginDocument{%

```



```

11702 \@ifundefined{captionlabelfalse}{}{%
11703   \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
11704 \@ifundefined{caption@startrue}{}{%
11705   \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
11706 }
11707 \AtBeginDocument{
11708   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
11709   \lst@ifnumberbychapter
11710     \gdef\thelstlisting%
11711       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
11712   \else
11713     \gdef\thelstlisting{\@arabic\c@lstlisting}
11714   \fi}

```

7.74 loadingorder-xetex-bidi.def

```

11715 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last pa
11716 \bidi@isloaded{amsmath}
11717 \bidi@isloaded{amstext}
11718 \bidi@isloaded{amsthm}
11719 \bidi@isloaded{breqn}
11720 \bidi@isloaded{cals}
11721 \bidi@isloaded{caption}
11722 \bidi@isloaded{crop}
11723 \bidi@isloaded{cuted}
11724 \bidi@isloaded{cutwin}
11725 \bidi@isloaded{color}
11726 \bidi@isloaded{dblfnote}
11727 \bidi@isloaded{xcolor}
11728 \bidi@isloaded{colortbl}
11729 \bidi@isloaded{float}
11730 \bidi@isloaded{floatrow}
11731 \bidi@isloaded{flowfram}
11732 \bidi@isloaded{framed}
11733 \bidi@isloaded{ftnright}
11734 \bidi@isloaded{xltextra}
11735 \bidi@isloaded{xunicode}
11736 \bidi@isloaded{wrapfig}
11737 \bidi@isloaded{graphicx}
11738 \bidi@isloaded{geometry}
11739 \bidi@isloaded{hvfloat}
11740 \bidi@isloaded{mdframed}
11741 \bidi@isloaded{midfloat}
11742 \bidi@isloaded{ntheorem}
11743 \bidi@isloaded{ntheorem-hyper}
11744 \bidi@isloaded{hyperref}
11745 \bidi@isloaded{fancybox}
11746 \bidi@isloaded{fancyhdr}
11747 \bidi@isloaded{fix2col}
11748 \bidi@isloaded{draftwatermark}

```



```

11749 \bidi@isloaded{empheq}
11750 \bidi@isloaded{pdfpages}
11751 \bidi@isloaded{listings}
11752 \bidi@isloaded{lettrine}
11753 \bidi@isloaded{pstricks}
11754 \bidi@isloaded{pgf}
11755 \bidi@isloaded{picinpar}
11756 \bidi@isloaded{quotchap}
11757 \bidi@isloaded{tikz}
11758 \bidi@isloaded{titlesec}
11759 \bidi@isloaded{titletoc}
11760 \bidi@isloaded{array}
11761 \bidi@isloaded{soul}
11762 \bidi@isloaded{stabular}
11763 \bidi@isloaded{subfig}
11764 \bidi@isloaded{subfigure}
11765 \bidi@isloaded{supertabular}
11766 \bidi@isloaded{xtab}
11767 \bidi@isloaded{longtable}
11768 \bidi@isloaded{arydshln}
11769 \bidi@isloaded{multicol}
11770 \bidi@isloaded{multienum}
11771 \bidi@isloaded{minitoc}
11772 \bidi@isloaded{natbib}
11773 \bidi@isloaded{newfloat}
11774 \bidi@isloaded{ragged2e}
11775 \bidi@isloaded{rotating}
11776 \bidi@isloaded{tbls}
11777 \bidi@isloaded{tabulary}
11778 \bidi@isloaded{tocstyle}
11779 \bidi@isloaded{tocbibind}
11780 \bidi@isloaded{fontspec}
11781 \bidi@isloaded{arabxetex}
11782 \bidi@isloaded{polyglossia}
11783 \bidi@isloaded{fancyvrb}
11784 \AtBeginDocument{
11785   \if@bidi@amsmathloaded@else
11786     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. Please load bidi package first.}{\fi}]
11787     \fi%
11788     \if@bidi@amstextloaded@else
11789       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. Please load bidi package first.}{\fi}]
11790       \fi%
11791       \if@bidi@amsthmloaded@else
11792         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. Please load bidi package first.}{\fi}]
11793         \fi%
11794         \if@bidi@breqnloaded@else
11795           \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Please load bidi package first.}{\fi}]
11796           \fi%
11797           \if@bidi@calsloaded@else
11798             \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Please load bidi package first.}{\fi}]

```



```

11799 \fi%
11800 \if@bidi@captionloaded@else
11801 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. Plea
11802 \fi%
11803 \if@bidi@croploaded@else
11804 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
11805 \fi%
11806 \if@bidi@colorloaded@else
11807 \@ifpackageloaded{hyperref}{}%
11808 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Plea
11809 \fi%
11810 \if@bidi@cutwinloaded@else
11811 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. Pl
11812 \fi%
11813 \if@bidi@cutedloaded@else
11814 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Plea
11815 \fi%
11816 \if@bidi@dblfnoteloaded@else
11817 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
11818 \fi%
11819 \if@bidi@xcolorloaded@else
11820 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. Pl
11821 \fi%
11822 \if@bidi@colortblloaded@else
11823 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
11824 \fi%
11825 \if@bidi@floatloaded@else
11826 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Plea
11827 \fi%
11828 \if@bidi@floatrowloaded@else
11829 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
11830 \fi%
11831 \if@bidi@flowframloaded@else
11832 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
11833 \fi%
11834 \if@bidi@framedloaded@else
11835 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. Pl
11836 \fi%
11837 \if@bidi@ftnrightloaded@else
11838 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
11839 \fi%
11840 \if@bidi@xltxtraloaded@else
11841 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package. F
11842 \fi%
11843 \if@bidi@xunicodeloaded@else
11844 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
11845 \fi%
11846 \if@bidi@wrapfigloaded@else
11847 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. F
11848 \fi%

```



```

11849 \if@bidi@graphicxloaded@else
11850 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
11851 \fi%
11852 \if@bidi@geometryloaded@else
11853 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
11854 \fi%
11855 \if@bidi@hvfloatloaded@else
11856 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. P
11857 \fi%
11858 \if@bidi@mdframedloaded@else
11859 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
11860 \fi%
11861 \if@bidi@midfloatloaded@else
11862 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
11863 \fi%
11864 \if@bidi@ntheoremloaded@else
11865 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
11866 \fi%
11867 \if@bidi@hyperrefloaded@else
11868 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
11869 \fi%
11870 \if@bidi@fancyboxloaded@else
11871 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
11872 \fi%
11873 \if@bidi@fancyhdrloaded@else
11874 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
11875 \fi%
11876 \if@bidi@draftwatermarkloaded@else
11877 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
11878 \fi%
11879 \if@bidi@empheqloaded@else
11880 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. P
11881 \fi%
11882 \if@bidi@pdfpagesloaded@else
11883 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
11884 \fi%
11885 \if@bidi@lettrineloaded@else
11886 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
11887 \fi%
11888 \if@bidi@listingsloaded@else
11889 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
11890 \fi%
11891 \if@bidi@pstricksloaded@else
11892 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
11893 \fi%
11894 \if@bidi@pgfloaded@else
11895 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
11896 \fi%
11897 \if@bidi@picinparloaded@else
11898 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.

```



```

11899 \fi%
11900 \if@bidi@quotchaploaded@else
11901 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package. Plea
11902 \fi%
11903 \if@bidi@tikzloaded@else
11904 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Plea
11905 \fi%
11906 \if@bidi@titlesecloaded@else
11907 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
11908 \fi%
11909 \if@bidi@titletocloaded@else
11910 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
11911 \fi%
11912 \if@bidi@arrayloaded@else
11913 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
11914 \fi%
11915 \if@bidi@stabularloaded@else
11916 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
11917 \fi%
11918 \if@bidi@soulloaded@else
11919 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Plea
11920 \fi%
11921 \if@bidi@subfigloaded@else
11922 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. PL
11923 \fi%
11924 \if@bidi@subfigureloaded@else
11925 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
11926 \fi%
11927 \if@bidi@supertabularloaded@else
11928 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
11929 \fi%
11930 \if@bidi@xtabloaded@else
11931 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea
11932 \fi%
11933 \if@bidi@longtableloaded@else
11934 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package
11935 \fi%
11936 \if@bidi@arydshlnloaded@else
11937 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
11938 \fi%
11939 \if@bidi@multicolloaded@else
11940 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
11941 \fi%
11942 \if@bidi@multienumloaded@else
11943 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package
11944 \fi%
11945 \if@bidi@minitocloaded@else
11946 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. F
11947 \fi%
11948 \if@bidi@natbibloaded@else

```



```

11949 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. Pl
11950 \fi%
11951 \if@bidi@newfloatloaded@else
11952 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
11953 \fi%
11954 \csname if@bidi@ragged2loaded@endcsname\else
11955 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
11956 \fi%
11957 \if@bidi@rotatingloaded@else
11958 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
11959 \fi%
11960 \if@bidi@tblsloaded@else
11961 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package. Ple
11962 \fi%
11963 \if@bidi@tabularyloaded@else
11964 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
11965 \fi%
11966 \if@bidi@tocstyleloaded@else
11967 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
11968 \fi%
11969 \if@bidi@tocbibindloaded@else
11970 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package
11971 \fi%
11972 \if@bidi@fontspecloaded@else
11973 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
11974 \fi%
11975 \if@bidi@arabxetexloaded@else
11976 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package
11977 \fi%
11978 \if@bidi@polyglossialloaded@else
11979 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
11980 \fi%
11981 \if@bidi@fancyvrbloaded@else
11982 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
11983 \fi%
11984 }

```

7.75 longtable-xetex-bidi.def

```

11985 \ProvidesFile{longtable-xetex-bidi.def}[2013/04/01 v0.3 bidi adaptations for longtable package f
11986 \def\LT@array[#1]#2{%
11987 \refstepcounter{table}\stepcounter{LT@tables}%
11988 \if l#1%
11989 \if@RTLtab\LTleft\fill \Ltright\z@else\LTleft\z@ \Ltright\fill\fi
11990 \else\if r#1%
11991 \if@RTLtab\LTleft\z@ \Ltright\fill\else\LTleft\fill \Ltright\z@\fi
11992 \else\if c#1%
11993 \LTleft\fill \Ltright\fill
11994 \fi\fi\fi
11995 \let\LT@mc\multicolumn

```




```

11996 \let\LT@@tabarray\@tabarray
11997 \let\LT@@hl\hline
11998 \def\@tabarray{%
11999   \let\hline\LT@@hl
12000   \LT@@tabarray}%
12001 \let\\LT@tabularcr\let\tabularnewline\\%
12002 \def\newpage{\noalign{\break}}%
12003 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
12004 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
12005 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
12006 \@tempdima\ht\strutbox
12007 \let\@endpbox\LT@endpbox
12008 \ifx\extrarowheight\@undefined
12009   \let\@acol\@tabacol
12010   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12011   \def\@startpbox{\vtop\LT@startpbox}%
12012   \let\@@startpbox\@startpbox
12013   \let\@@endpbox\@endpbox
12014   \let\LT@LL@FM@cr\@tabularcr
12015 \else
12016   \advance\@tempdima\extrarowheight
12017   \col@sep\tabcolsep
12018   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12019 \fi
12020 \setbox\@arstrutbox\hbox{\vrule
12021   \@height \arraystretch \@tempdima
12022   \@depth \arraystretch \dp \strutbox
12023   \@width \z@}%
12024 \let\@sharp##\let\protect\relax
12025 \begingroup
12026   \mkpream{#2}%
12027   \xdef\LT@bchunk{%
12028     \global\advance\c@LT@chunks\@ne
12029     \global\LT@rows\z@\setbox\z@\vbox\bgroup
12030     \LT@setprevdepth
12031     \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12032     \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
12033 \endgroup
12034 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12035 \LT@make@row
12036 \m@th\let\par\@empty
12037 \everycr{}\lineskip\z@baselineskip\z@
12038 \LT@bchunk}
12039 \def\LT@makecaption#1#2#3{%
12040   \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
12041     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
12042     \ifdim\wd\@tempboxa>\hsize
12043       #1{#2: }#3%
12044     \else
12045       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%

```



```

12046 \fi
12047 \endgraf\vskip\baselineskip}%
12048 \hss}}
12049 \def\LT@startpbox#1{%
12050 \bgroup
12051 \let\@footnotetext\LT@p@ftntext
12052 \let\@LTrfootnotetext\LT@p@LTrftntext
12053 \let\@RTLfootnotetext\LT@p@RTLftntext
12054 \setlength\hsize{#1}%
12055 \@arrayparboxrestore
12056 \vrule \@height \ht\@arstrutbox \@width \z@}
12057 \def\LT@p@LTrftntext#1{%
12058 \edef\@tempa{\the\LT@p@ftn\noexpand\LTrfootnotetext[\the\c@footnote]]}%
12059 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12060 \def\LT@p@RTLftntext#1{%
12061 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
12062 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.76 mdframed-xetex-bidi.def

```

12063 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
12064 \newif\if@bidi@mdf@RTL
12065 \def\mdf@lrbox#1{%
12066 \mdf@patchamsthm%patch amsthm
12067 \if@RTL\@bidi@mdf@RTLtrue\fi%
12068 \@RTLfalse%
12069 \setbox#1\vbox\bgroup%
12070 \color@begingroup%
12071 \if@bidi@mdf@RTL\@RTLtrue\fi%
12072 \mdf@horizontalmargin@equation%
12073 \columnwidth=\hsize%
12074 \textwidth=\hsize%
12075 \let\if@nobreak\iffalse%
12076 \let\if@noskipsec\iffalse%
12077 \let\par\@par%
12078 \let\-\@dischyph%
12079 \let'\@acci\let\`@accii\let\=@acciii%
12080 \parindent\z@ \parskip\z@skip%
12081 \linewidth\hsize%
12082 \@totalleftmargin\z@%
12083 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12084 \parfillskip\@flushglue \lineskip\normallineskip%
12085 \baselineskip\normalbaselineskip%
12086 %% \sloppy%
12087 \let\\\@normalcr%
12088 \mdf@par@local%New feature to restore parskip/parindent local in save box
12089 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12090 \@afterindentfalse%
12091 %\@afterheading%
12092 }

```



```

12093 \renewrobustcmd\mdfframetitleenv[1]{%
12094     \mdf@lrbox{\mdf@frametitlebox}%
12095     \mdf@frametitlealignment%
12096     \leavevmode{\color{\mdf@frametitlefontcolor}%
12097         \normalfont\mdf@frametitlefont{#1}
12098     \ifbool{mdf@ignorelastdescenders}%
12099         {%
12100             \par\strut\par
12101             \unskip\unskip\setbox0=\lastbox
12102             \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12103         }{}}%
12104     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
12105     \endmdf@lrbox\relax%
12106     \mdf@ignorevbadness%
12107     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12108     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12109     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12110     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12111     \mdfframetitleboxtotalheight=\dimexpr
12112         \ht\mdf@frametitlebox
12113         +\dp\mdf@frametitlebox%
12114         +\mdf@frametitleaboveskip@length
12115         +\mdf@frametitlebelowskip@length
12116     \relax%
12117 }
12118
12119 \renewrobustcmd*\mdf@footnoteoutput{%
12120     \ifvoid\@mpfootins\else%
12121         \nobreak%
12122         \vskip\mdf@footnotedistance@length%
12123         \normalcolor%
12124         \bidi@mpfootnoterule%
12125         \unvbox\@mpfootins%
12126     \fi%
12127 }
12128
12129
12130 \renewrobustcmd*\mdf@footnoteinput{%
12131     \def\@mpfn{mpfootnote}%
12132     \def\thempfn{\thempfootnote}%
12133     \c@mpfootnote\z@%
12134     \let\@footnotetext\@mpfootnotetext%
12135     \let\@LTRfootnotetext\@mpLTRfootnotetext%
12136     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12137 }

```

7.77 memoir-xetex-bidi.def

```

12138 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
12139 \renewcommand{\keepthetitle}{%

```



```

12140 \@bsmtitleempty
12141 \global\let\thanks\relax
12142 \global\let\LTRthanks\relax
12143 \global\let\RTLthanks\relax
12144 \global\let\and\relax
12145 \global\let\andnext\relax
12146 \global\let\@thanks\@empty
12147 \global\let\@title\@empty
12148 \global\let\@author\@empty
12149 \global\let\@date\@empty}
12150 \renewcommand{\maketitle}{\par
12151 \begingroup
12152 \bsmarkseries
12153 \def\@makefnmark{\@textsuperscript{%
12154 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
12155 \long\def\@makefntext##1{\makethanksmark ##1}
12156 \if@twocolumn
12157 \ifnum \col@number=\@ne
12158 \maketitle
12159 \else
12160 \twocolumn[\maketitle]%
12161 \fi
12162 \else
12163 \ifdim\pagetotal>z@
12164 \newpage
12165 \fi
12166 \global\@topnum\z@
12167 \maketitle
12168 \fi
12169 \thispagestyle{title}\@thanks
12170 \endgroup
12171 \@bscontmark % \setcounter{footnote}{0}%
12172 }
12173 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
12174 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
12175 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
12176 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
12177 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
12178 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
12179 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
12180 \renewcommand*{\thesubsection}{%
12181 \thesection\@SepMark\@arabic\c@subsection}
12182 \renewcommand*{\thesubsubsection}{%
12183 \thesubsubsection\@SepMark\@arabic\c@subsubsection}
12184 \renewcommand*{\theparagraph}{%
12185 \thesubsubsection\@SepMark\@arabic\c@paragraph}
12186 \renewcommand*{\thesubparagraph}{%
12187 \theparagraph\@SepMark\@arabic\c@subparagraph}
12188 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
12189 \renewcommand{\theequation}{%

```



```

12190 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12191 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
12192 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
12193 \ifartopt
12194 \chapterstyle{article}
12195 \counterwithout{figure}{chapter}
12196 \counterwithout{table}{chapter}
12197 \counterwithout{footnote}{chapter}
12198 \counterwithout{equation}{chapter}
12199 \renewcommand{\chaptername}{\@}
12200 \renewcommand{\maketitlehookb}{\%
12201 \vskip -1.5\topsep\vskip -1.5\partopsep}
12202 \renewcommand{\maketitlehookc}{\%
12203 \vskip -1.5\topsep\vskip -1.5\partopsep}
12204 \fi
12205 \long\def\@makecaption#1#2{\let\@memtempa\relax
12206 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
12207 \else \def\@memtempa{\vbox to\topskip{}}\fi
12208 \let\@contfnote\footnote \renewcommand{\footnote}[2][]{\@}
12209 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][]{\@}
12210 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
12211 \let\footnote\@contfnote
12212 \let\footnotemark\@contfmark
12213 \ifdim\wd\@tempboxa<\linewidth \centering \fi
12214 \if@contcw
12215 \centering
12216 \parbox{\@contcwidth}{\%
12217 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
12218 \fi
12219 \ifdim\wd\@tempboxa<\linewidth
12220 \@contpre
12221 {\@contnfont #1\@contdelim}\@memtempa
12222 {\@contcshortstyle \@conttfont #2\@contfinal\par}
12223 \else
12224 \if@conthang
12225 \sbox\@tempboxa{\@contnfont #1\@contdelim}
12226 \@contpre%
12227 {\@contcstyle\hangindent=\wd\@tempboxa
12228 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
12229 \else
12230 \if@contindent
12231 \@contpre%
12232 {\@contnfont #1\@contdelim}\@memtempa
12233 {\@contcstyle\hangindent=\@contindw
12234 \hangafter=\@ne\@conttfont #2\@contfinal\par}}% <- v1.4
12235 \else
12236 \@contpre%
12237 {\@contnfont #1\@contdelim}\@memtempa
12238 {\@contcstyle \@conttfont #2\@contfinal\par}
12239 \fi

```



```

12240 \fi
12241 \fi
12242 \@contpost
12243 \if@contcw
12244 \par
12245 } % end of the \parbox
12246 \fi
12247 \vskip\belowcaptionskip}
12248 \ifpackageloaded{caption}{%
12249 \AtBeginPackage{caption}{%
12250 \ClassWarningNoLine{memoir}{%
12251 You are using the caption package with the memoir \MessageBreak
12252 class. This may cause unexpected or inconsistent \MessageBreak
12253 results if you use any of memoir's captioning facilities}
12254
12255 \long\def\@makecaption##1##2{%
12256 \vskip\abovecaptionskip
12257 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
12258 \ifdim \wd\@tempboxa >\hsize
12259 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
12260 \else
12261 \global \@minipagefalse
12262 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12263 \fi
12264 \vskip\belowcaptionskip}
12265
12266 \def\caption{%
12267 \ifx\@captype\@undefined
12268 \latex@error{\noexpand\caption outside float}\@ehd
12269 \expandafter\@gobble
12270 \else
12271 \refstepcounter\@captype
12272 \expandafter\@firstofone
12273 \fi
12274 {\@dblarg{\@caption\@captype}}%
12275 }
12276
12277 \long\def\@caption##1[##2]##3{%
12278 \par
12279 \addcontentsline{\csname ext@##1\endcsname}{##1}%
12280 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
12281 \begingroup
12282 \@parboxrestore
12283 \if@minipage
12284 \@setminipage
12285 \fi
12286 \normalsize
12287 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
12288 \endgroup}
12289 }}{}

```



```

12290 \renewenvironment{thebibliography}[1]{%
12291   \bibsection
12292   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12293   \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

7.78 midfloat-xetex-bidi.def

```

12294 \ProvidesFile{midfloat-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for midfloat package for
12295 \def\RTL@outputdblcol{%
12296   \if@firstcolumn
12297     \global \@firstcolumnfalse
12298     \global \setbox\@leftcolumn \box\@outputbox
12299     \global\c@colht\@colht\global\c@advvipersep\z@
12300     \ifnum\jua@sk>0
12301       \remove@strip\jua@sar
12302       \global\@colht\the\jua@pr
12303       \ifdim\right@cor>\z@
12304         \global\advance\@colht by\right@cor
12305       \fi
12306       \global\advance\@colht by\cor@height
12307       \global\cor@height=0pt
12308     \fi
12309     \global \setbox\@rightcolumn \vbox{%
12310 \else
12311   \ifdim\c@colht>\@colht
12312     \@tempdima\@colht
12313     \ifdim\@colht>\z@
12314       \global\setbox\@rightcolumn \vbox{%
12315         \unvbox\@rightcolumn
12316         \vbox to\@tempdima{%
12317           \vskip\c@advvipersep\unvbox\@outputbox}%
12318         \vskip\stripsep
12319         \vrule height\the\jua@ht width 0pt depth 0pt
12320         \vskip\stripsep
12321       }%
12322       \global\c@advvipersep\m@advvipersep
12323     \else
12324       \global\setbox\@rightcolumn \vbox{%
12325         \unvbox\@rightcolumn
12326         \vrule height\the\jua@ht width 0pt depth 0pt
12327         \vskip\stripsep
12328       }%
12329     \fi
12330     \ifnum\jua@sk>0
12331       \remove@strip\jua@sar
12332       \global\@colht\the\jua@pr
12333       \global\advance\@colht by -\ht\@rightcolumn
12334       \global\advance\@colht by\cor@height
12335       \global\cor@height=0pt
12336     \else

```



```

12337         \global\advance\c@colht by-\ht\@rightcolumn
12338         \global\@colht\c@colht
12339     \fi
12340 \else
12341 \global\@firstcolumntrue
12342 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
12343     \unvbox\@rightcolumn
12344     \vskip\c@addvipersep
12345     \unvbox\@outputbox
12346 }%
12347 \setbox\@outputbox \vbox {%
12348     \hb@xt@\textwidth {%
12349         \hskip \columnwidth
12350         \hfil
12351         \vrule \@width\columnseprule
12352         \hfil
12353         \hb@xt@\columnwidth {%
12354             \box\@leftcolumn \hss}%
12355         \hskip-\textwidth
12356         \hb@xt@\columnwidth {%
12357             \box\@outputbox \hss}%
12358         \hskip\columnwidth
12359         \hskip\columnsep}%
12360     }%
12361 \combinedblfloats
12362 \outputpage
12363 \beginingroup
12364     \dblfloatplacement
12365     \startdblcolumn
12366     \@whilesw\if@fcolmade \fi
12367     {\outputpage
12368     \startdblcolumn}%
12369 \endgroup
12370 \global\jua@sk=0\global\jua@sar={}
12371 \global\cor@height\z@\global\c@addvipersep\z@
12372 \fi
12373 \fi
12374 }
12375
12376
12377 \def\LTR@outputdblcol{%
12378     \if@firstcolumn
12379     \global \@firstcolumnfalse
12380     \global \setbox\@leftcolumn \box\@outputbox
12381     \global\c@colht\@colht\global\c@addvipersep\z@
12382     \ifnum\jua@sk>0
12383         \remove@strip\jua@sar
12384         \global\@colht\the\jua@pr
12385         \ifdim\right@cor>\z@
12386             \global\advance\@colht by\right@cor

```




```

12387         \fi
12388         \global\advance\@colht by\cor@height
12389         \global\cor@height=0pt
12390     \fi
12391     \global \setbox\@rightcolumn \vbox{%
12392 \else
12393     \ifdim\c@colht>\@colht
12394         \@tempdima\@colht
12395         \ifdim\@colht>\z@
12396             \global\setbox\@rightcolumn \vbox{%
12397                 \unvbox\@rightcolumn
12398                 \vbox to\@tempdima{%
12399                     \vskip\c@addvipersep\unvbox\@outputbox}%
12400                 \vskip\stripsep
12401                 \vrule height\the\jua@ht width 0pt depth 0pt
12402                 \vskip\stripsep
12403             }%
12404             \global\c@addvipersep\m@addvipersep
12405         \else
12406             \global\setbox\@rightcolumn \vbox{%
12407                 \unvbox\@rightcolumn
12408                 \vrule height\the\jua@ht width 0pt depth 0pt
12409                 \vskip\stripsep
12410             }%
12411         \fi
12412         \ifnum\jua@sk>0
12413             \remove@strip\jua@sar
12414             \global\@colht\the\jua@pr
12415             \global\advance\@colht by -\ht\@rightcolumn
12416             \global\advance\@colht by\cor@height
12417             \global\cor@height=0pt
12418         \else
12419             \global\advance\c@colht by-\ht\@rightcolumn
12420             \global\@colht\c@colht
12421         \fi
12422     \else
12423     \global\@firstcolumntrue
12424     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
12425         \unvbox\@rightcolumn
12426         \vskip\c@addvipersep
12427         \unvbox\@outputbox
12428     }%
12429     \setbox\@outputbox \vbox {%
12430         \hb@xt@\textwidth {%
12431             \hb@xt@\columnwidth {%
12432                 \box\@leftcolumn \hss}%
12433             \hfil
12434             \vrule \@width\columnseprule
12435             \hfil
12436             \hb@xt@\columnwidth {%

```



```

12437             \box\@outputbox \hss}%
12438             }%
12439         }%
12440     \@combinedblfloats
12441     \@outputpage
12442     \beginngroup
12443         \@dblfloatplacement
12444         \@startdblcolumn
12445         \@whiles\if@fcolmade \fi
12446         {\@outputpage
12447         \@startdblcolumn}%
12448     \endgroup
12449     \global\jua@sk=0\global\jua@sar={}%
12450     \global\cor@height\z@\global\c@addvipersep\z@
12451     \fi
12452 \fi
12453 }
12454
12455
12456 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
12457   \global\setbox\@viper\ vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\vi
12458     \hsize\textwidth
12459     \@parboxrestore
12460     \col@number \@ne
12461     \vrule height\topskip width0pt depth0pt
12462 }
12463
12464 \def\endstrip{%
12465     \egroup\egroup
12466     \if@firstcolumn
12467         \ifdim\pagetotal>\z@
12468             \vskip\stripsep
12469             \global\ht@strip\pagegoal
12470             \global\advance\ht@strip by-\pagetotal
12471             \global\advance\ht@strip by-\stripsep
12472             \global\advance\ht@strip by-\ht\@viper
12473             \global\advance\ht@strip by-\stripsep
12474             \global\jua@ht=\ht\@viper
12475         \else
12476             \global\ht@strip\z@
12477         \fi
12478         \ifdim\ht@strip>\z@
12479             \unvbox\@viper
12480             \vskip\stripsep
12481             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
12482             \global\advance\jua@sk by1
12483         \else
12484             \@latex@error{Strip needs more place!}\@ehc
12485             \if@vihproof
12486                 \framebox[\columnwidth]{??? Strip ???}%

```



```

12487         \fi
12488     \fi
12489 \else
12490     \@latex@error{Strip is used only on left column!}\@ehc
12491     \if@vihproof
12492         \framebox[\columnwidth]{??? Strip ???}%
12493     \fi
12494 \fi
12495 }

```

7.79 minitoc-xetex-bidi.def

```

12496 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for X
12497 \def\@undottedtocline#1#2#3#4#5{%
12498     \ifnum #1>\c@tocdepth\relax \else
12499         \vskip \z@ plus.2\p@
12500     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
12501         \parindent #2\relax\@afterindenttrue
12502         \interlinepenalty\@M
12503         \leavevmode
12504         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
12505         \hskip -\if@RTL\righskip\else\leftskip\fi
12506         #4\nobreak\hfill \nobreak
12507         \null\par}%
12508 \fi}
12509 \def\@Undottedtocline#1#2#3#4#5{%
12510     \ifnum #1>\c@tocdepth\relax \else
12511         \vskip \z@ \@plus.2\p@
12512     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
12513         \parindent #2\relax\@afterindenttrue
12514         \interlinepenalty\@M
12515         \leavevmode
12516         \@tempdima #3\relax
12517         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
12518         {\coffefont #4}\nobreak \nobreak\null
12519         \par}%
12520 \fi}
12521 \def\@Undottedtoclinep#1#2#3#4#5{%
12522     \ifnum #1>\c@tocdepth\relax \else
12523         \vskip \z@ \@plus.2\p@
12524     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
12525         \parindent #2\relax\@afterindenttrue
12526         \interlinepenalty\@M
12527         \leavevmode
12528         \@tempdima #3\relax
12529         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
12530         {#4}\nobreak \hfill \nobreak\null
12531         \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
12532     \par}%
12533 \fi}

```



7.8o multicol-xetex-bidi.def

```

12534 \ProvidesFile{multicol-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for multicol package for
12535 \def\page@sofar{%
12536   \process@cols\mult@rightbox
12537     {\ifvoid\count@
12538       \setbox\count@\hbox to\hsize{}}%
12539     \else
12540       \wd\count@\hsize
12541     \fi}%
12542 \count@\col@number \advance\count@\m@ne
12543 \mult@info\z@
12544 {Column spec: \the\full@width\space = indent
12545               + columns + sep =\MessageBreak
12546               \the\multicol@leftmargin\space
12547               + \the\col@number\space
12548               x \the\hsize\space
12549               + \the\count@\space
12550               x \the\columnsep
12551       }%
12552 \ifvmode\else\errmessage{Multicol Error}\fi
12553 \nointerlineskip
12554 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
12555 \moveright\multicol@leftmargin
12556 \hbox to\full@width{%
12557   \bidi@multicol@align@columns
12558   \rlap{\phantom p}%
12559 }%
12560 \prevdepth\z@
12561 \kern-\dimen\tw@
12562 \ifdim\dimen\tw@ > \mc@gridwarn
12563   \PackageWarning{multicol}%
12564     {Very deep columns!\MessageBreak
12565     Grid alignment might be broken}%
12566 \fi
12567 }
12568 \def\LTR@column@boxes{%
12569   \process@cols\mult@gfirstbox{%
12570     \ifdim\dp\count@>\dimen\tw@
12571       \global\dimen\tw@\dp\count@ \fi
12572     \mc@col@status@write
12573     \box\count@
12574     \hss{\columnseprulecolor\vrule
12575          \@width\columnseprule}\hss}%
12576   \ifdim\dp\mult@rightbox>\dimen\tw@
12577     \global\dimen\tw@\dp\mult@rightbox \fi
12578   \mc@lastcol@status@write
12579   \box\mult@rightbox
12580 }
12581

```



```

12582 \def\RTL@column@boxes{%
12583     \process@cols\mult@gfirstbox{%
12584         \hskip\hsize
12585         \hss{\columnseprulecolor\vrule
12586             \@width\columnseprule}\hss
12587     }%
12588     \hskip\hsize
12589     \process@cols\mult@gfirstbox{%
12590         \ifdim\dp\count@>\dimen\tw@
12591             \global\dimen\tw@\dp\count@ \fi
12592         \hskip-\hsize
12593         \mc@col@status@write
12594         \box\count@
12595         \hskip-\hsize
12596         \hskip-\columnsep
12597     }%
12598     \ifdim\dp\mult@rightbox>\dimen\tw@
12599         \global\dimen\tw@\dp\mult@rightbox \fi
12600     \hskip-\hsize
12601     \mc@lastcol@status@write
12602     \box\mult@rightbox
12603     \hskip-\hsize
12604     \hskip\full@width
12605 }
12606 \newcommand\RTLmulticolcolumns
12607     {\let\bidimulticol@align@columns
12608      \RTL@column@boxes}
12609 \newcommand\LTRmulticolcolumns
12610     {\let\bidimulticol@align@columns
12611      \LTR@column@boxes}
12612 \newcommand\bidimulticol@align@columns
12613     {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
12614 \def\multicols#1{\col@number#1\relax
12615   \ifnum\col@number<\tw@
12616     \PackageWarning{multicol}%
12617     {Using ``\number\col@number'
12618      columns doesn't seem a good idea.^^J
12619      I therefore use two columns instead}%
12620     \col@number\tw@ \fi
12621   \ifnum\col@number>10
12622     \PackageError{multicol}%
12623     {Too many columns}%
12624     {Current implementation doesn't
12625      support more than 10 columns.%
12626     \MessageBreak
12627     I therefore use 10 columns instead}%
12628   \col@number10 \fi
12629   \ifx\@footnotetext\mult@footnotetext\else
12630     \let\orig@footnotetext\@footnotetext
12631     \let\@footnotetext\mult@footnotetext

```



```

12632 \fi
12633 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
12634 \let\orig@LTRfootnotetext\@LTRfootnotetext
12635 \let\@LTRfootnotetext\mult@LTRfootnotetext
12636 \fi
12637 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
12638 \let\orig@RTLfootnotetext\@RTLfootnotetext
12639 \let\@RTLfootnotetext\mult@RTLfootnotetext
12640 \fi
12641 \@ifnextchar[\mult@cols{\mult@cols[]}]
12642 \long\def\mult@footnotetext#1{\begingroup
12643 \hsize\textwidth
12644 \columnwidth\textwidth
12645 \orig@footnotetext{#1}\endgroup}
12646 \long\def\mult@LTRfootnotetext#1{\begingroup
12647 \hsize\textwidth
12648 \columnwidth\textwidth
12649 \orig@LTRfootnotetext{#1}\endgroup}
12650 \long\def\mult@RTLfootnotetext#1{\begingroup
12651 \hsize\textwidth
12652 \columnwidth\textwidth
12653 \orig@RTLfootnotetext{#1}\endgroup}
12654 \def\right@footnoterule{%
12655 \kern-3\p@
12656 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
12657 \kern2.6\p@}
12658 \def\textwidth@footnoterule{\kern-3\p@
12659 \hrule \@width \textwidth \kern 2.6\p@}

```

7.81 multienum-xetex-bidi.def

```

12660 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
12661 \renewcommand{\itemx}[1]{\parbox[t]{%
12662 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12663 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
12664 \renewcommand{\itemxx}[2]{\parbox[t]{%
12665 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12666 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
12667 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12668 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
12669 \renewcommand{\itemxxx}[3]{\parbox[t]{%
12670 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12671 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
12672 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12673 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
12674 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12675 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip}
12676 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
12677 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12678 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%

```



```

12679 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12680 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
12681 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12682 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
12683 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12684 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
12685 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
12686 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12687 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
12688 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12689 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
12690 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12691 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
12692 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12693 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
12694 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12695 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
12696 \renewcommand{\itemxox}[2]{\parbox[t]{%
12697 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12698 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
12699 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12700 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
12701 \renewcommand{\itemxox}[2]{\parbox[t]{%
12702 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12703 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
12704 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12705 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
12706 \renewcommand{\itemxox}[3]{\parbox[t]{%
12707 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12708 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
12709 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12710 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
12711 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12712 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
12713 \renewcommand{\itemxox}[3]{\parbox[t]{%
12714 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12715 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
12716 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12717 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
12718 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12719 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
12720 \renewcommand{\itemxxox}[3]{\parbox[t]{%
12721 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12722 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
12723 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12724 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
12725 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12726 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```



7.82 natbib-xetex-bidi.def

```
12727 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
12728 \renewenvironment{thebibliography}[1]{%
12729   \bibsection
12730   \parindent\z@
12731   \bibpreamble
12732   \bibfont
12733   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12734   \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
12735   \ifNAT@openbib
12736     \renewcommand\newblock{\par}%
12737   \else
12738     \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
12739   \fi
12740   \sloppy\clubpenalty4000\widowpenalty4000
12741   \sfcode`\.\@m
12742   \let\NAT@bibitem@first@sw\@firstoftwo
12743   \let\citeN\cite \let\shortcite\cite
12744   \let\citeasnoun\cite
12745 }{%
12746   \bibitem@fin
12747   \bibpostamble
12748   \def\@noitemerr{%
12749     \PackageWarning{natbib}{Empty `thebibliography' environment}%
12750   }%
12751   \endlist
12752   \bibcleanup
12753 }%
```

7.83 newfloat-xetex-bidi.def

```
12754 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
12755 \renewcommand*{\newfloat@setwithin}[2]{%
12756   \ifcsname c@chapter\endcsname
12757     \@removefromreset{#1}{chapter}%
12758   \fi
12759   \@removefromreset{#1}{section}%
12760   \edef\@tempa{#2}%
12761   \ifx\@tempa\@empty
12762     \def\@tempa{none}%
12763   \fi
12764   \def\@tempb{none}%
12765   \ifx\@tempa\@tempb
12766     \ifcsname c@chapter\endcsname
12767       \@chapterlistsgap@off{#1}%
12768     \fi
12769     \newfloat@@setwithin{#1}{-}{-}%
12770   \else
12771     \def\@tempb{chapter}%
12772     \ifx\@tempa\@tempb
```




```

12773 \addtoreset{#1}{chapter}%
12774 \chapterlistsgap@on{#1}%
12775 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa
12776 \else
12777 \def\@tempb{section}%
12778 \ifx\@tempa\@tempb
12779 \addtoreset{#1}{section}%
12780 \ifcsname c@chapter\endcsname
12781 \addtoreset{#1}{chapter}%
12782 \chapterlistsgap@on{#1}%
12783 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
12784 \else
12785 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@Se
12786 \fi
12787 \else
12788 \newfloat@Error{Invalid value `#2' for option `within'}%
12789 \fi
12790 \fi
12791 \fi}

```

7.84 ntheorem-xetex-bidi.def

```

12792 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for
12793 \gdef\@thm#1#2#3{%
12794 \if@thmmarks
12795 \stepcounter{end\InTheoType ctr}%
12796 \fi
12797 \renewcommand{\InTheoType}{#1}%
12798 \if@thmmarks
12799 \stepcounter{curr#1ctr}%
12800 \setcounter{end#1ctr}{0}%
12801 \fi
12802 \refstepcounter{#2}%
12803 \theorem@prework
12804 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
12805 \ifvmode \advance\thm@topsepadd\partopsep\fi
12806 \trivlist
12807 \@topsep \theorem@preskipamount
12808 \@topsepadd \thm@topsepadd % used by \endparenv
12809 \advance\linewidth -\theorem@indent
12810 \advance\@totalleftmargin \theorem@indent
12811 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
12812 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.85 ntheorem-hyper-xetex-bidi.def

```

12813 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hype
12814 \gdef\@thm#1#2#3{%
12815 \if@thmmarks
12816 \stepcounter{end\InTheoType ctr}%
12817 \fi

```



```

12818 \renewcommand{\InTheoType}{#1}%
12819 \if@thmmarks
12820 \stepcounter{curr#1ctr}%
12821 \setcounter{end#1ctr}{0}%
12822 \fi
12823 \refstepcounter{#2}%
12824 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
12825 \ifvmode \advance\thm@topsepadd\partopsep\fi
12826 \trivlist
12827 \@topsep \theorempreskipamount
12828 \@topsepadd \thm@topsepadd % used by \endparenv
12829 \advance\linewidth -\theorem@indent
12830 \advance\@totalleftmargin \theorem@indent
12831 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
12832 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.86 pdfpages-xetex-bidi.def

```

12833 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
12834 \renewcommand*{\includepdf}[2][{}]{%
12835 \begingroup
12836 \@RTLfalse
12837 \let\AM@threadname\relax
12838 \AM@split@options{pdfpages}{#1}%
12839 \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
12840 \expandafter\setkeys\AM@temp
12841 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
12842 \let\AM@currentdocname\relax
12843 \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
12844 \def\AM@pagecount{0}%
12845 }{%
12846 \AM@findfile{#2}%
12847 \if\AM@threadname\relax
12848 \def\AM@threadname{\AM@currentdocname}%
12849 \fi
12850 }%
12851 \ifAM@survey
12852 \def\AM@pagestemp{}%
12853 \@tempcnta=0
12854 \def\foo{%
12855 \ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
12856 {\let\foo\relax}
12857 {\expandafter\ifx\expandafter\\AM@pagestemp\\
12858 \edef\AM@pagestemp{%
12859 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
12860 \else
12861 \edef\AM@pagestemp{\AM@pagestemp,%
12862 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
12863 \fi
12864 \advance\@tempcnta 1\relax

```



```

12865     }%
12866     \foo
12867   }%
12868   \foo
12869   \expandafter\ifx\expandafter\\AM@pagetemp\\
12870     \def\AM@pagetemp{1}%
12871   \fi
12872 \fi
12873 \ifAM@output
12874   \expandafter\AM@readlist\expandafter{\AM@pagetemp}%
12875   \AM@output{#1}%
12876 \fi
12877 \AM@CheckAtEnd
12878 \endgroup
12879 \AM@ClearShipoutPicture
12880 }

```

7.87 pgfcorescopes.code-xetex-bidi.def

```

12881 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf packa
12882 \def\pgfpicture{%
12883   \begingroup%
12884   \ifmmode\else\@RTLfalse\beginL\fi%
12885   \pgfpicturetrue%
12886   \global\advance\pgf@picture@serial@count by1\relax%
12887   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
12888   \let\pgf@nodecallback=\pgfutil@gobble%
12889   \pgf@picmaxx=-16000pt\relax%
12890   \pgf@picminx=16000pt\relax%
12891   \pgf@picmaxy=-16000pt\relax%
12892   \pgf@picminy=16000pt\relax%
12893   \pgf@relevantforpicturesizetrue%
12894   \pgf@resetpathsizes%
12895   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
12896 \def\endpgfpicture{%
12897   \ifpgfrememberpicturepositiononpage%
12898     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
12899   \fi%
12900   % ok, now let's position the box
12901   \ifdim\pgf@picmaxx=-16000pt\relax%
12902     % empty picture. make size 0.
12903     \global\pgf@picmaxx=0pt\relax%
12904     \global\pgf@picminx=0pt\relax%
12905     \global\pgf@picmaxy=0pt\relax%
12906     \global\pgf@picminy=0pt\relax%
12907   \fi%
12908   % Shift baseline outside:
12909   \pgf@relevantforpicturesizefalse%
12910   \pgf@process{\pgf@baseline}%
12911   \xdef\pgf@shift@baseline{\the\pgf@y}%

```



```

12912      %
12913      \pgf@process{\pgf@trimleft}%
12914      \global\advance\pgf@x by-\pgf@picminx
12915      % prepare \hskip\pgf@trimleft@final.
12916      % note that \pgf@trimleft@final is also queried
12917      % by the pgf image externalization.
12918      \xdef\pgf@trimleft@final{-\the\pgf@x}%
12919      %
12920      \pgf@process{\pgf@trimright}%
12921      \global\advance\pgf@x by-\pgf@picmaxx
12922      % prepare \hskip\pgf@trimright@final.
12923      % note that \pgf@trimright@final is also queried
12924      % by the pgf image externalization.
12925      \xdef\pgf@trimright@final{\the\pgf@x}%
12926      %
12927      \pgf@remember@layerlist@globally
12928      \endgroup%
12929      \hss%
12930      \egroup%
12931      \pgf@restore@layerlist@from@global
12932      \pgf@insertlayers%
12933      \endgroup%
12934      \pgfsys@discardpath%
12935      \endgroup%
12936      \pgfsys@endscope%
12937      \pgfsys@endpicture%
12938      \endgroup%
12939      \hss
12940      \egroup%
12941      \pgfsys@typesetpicturebox\pgfpic%
12942      \ifmmode\else\endL\fi%
12943      \endgroup%
12944 }

```

7.88 picinpar-xetex-bidi.def

```

12945 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
12946 \long\def\@makewincaption#1#2{%
12947   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
12948   \ifdim\wd\@tempboxa>\picwd
12949     {\footnotesize{\bf #1:\enspace}{#2\par}}
12950   \else
12951     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
12952   \fi}
12953 \def\endwindow{%
12954   \global\tcd=\tcdsav
12955   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
12956   \vbadness=10000
12957   \splittopskip=0pt
12958 %

```



```

12959 % Typeset the lines above the window
12960 %
12961 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
12962 \tcn=\tcd
12963 \loop\advance\tcn -1
12964 \setbox\fslice=\vsplit\holder to\baselineskip
12965 \prune\fslice\linewidth
12966 \topheight=0pt
12967 \ifnum\dp\fslice>\dp\wstrutbox
12968     \advance\topheight-\dp\fslice
12969     \advance\topheight\dp\wstrutbox
12970     \advance\topheight\ilg\fi
12971 \hbox to\linewidth{\box\fslice}
12972 \vskip-\topheight
12973 \ifdim\ht\holder>0pt\repeat
12974 \fi
12975 %
12976 % Now we build the boxes beside the window
12977 %
12978 \global\topheight=\tcl\baselineskip
12979 \ifnum\cumpartcl>0\global\tcl=\cumtcl
12980     \global\topheight=\vpic
12981 \fi
12982 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
12983 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
12984 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
12985 \tcn=\tcl \na=0 \nb=0
12986 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
12987 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
12988 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
12989 \ifnum\na=0\ifnum\nb=0
12990     \setbox\waslice=\vbox to\vpic{\vss}
12991     \setbox\wbslice=\vbox to\vpic{\vss}
12992     \bl=1\br=1
12993     \vskip\ilg
12994 \fi\fi
12995 %
12996 % both sides
12997 %
12998 \ifnum\na>0 \ifnum\nb>0
12999 \loop\advance\nb -1
13000 \advance\na -1
13001 \if@RTL%
13002 \setbox\bslice=\vsplit\holder to\baselineskip
13003 \prune\bslice\rtside
13004 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13005 to\rtside{\box\bslice\hfil}}
13006 \setbox\aslice=\vsplit\holder to\baselineskip
13007 \prune\aslice\lftside
13008 \setbox\waslice=\vbox{\unvbox\waslice\hbox

```



```

13009 to\lftside{\box\aslice\hfil}}
13010 \else%
13011 \setbox\aslice=\vsplit\holder to\baselineskip
13012 \prune\aslice\lftside
13013 \setbox\waslice=\vbox{\unvbox\waslice\hbox
13014 to\lftside{\box\aslice\hfil}}
13015 \setbox\bslice=\vsplit\holder to\baselineskip
13016 \prune\bslice\rtside
13017 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13018 to\rtside{\box\bslice\hfil}}
13019 \fi%
13020 \ifnum\nb>0\repeat
13021 \fi\fi
13022 %
13023 % only text on the left side
13024 %
13025 \ifnum\na>0
13026   \loop\advance\na -1
13027   \setbox\aslice=\vsplit\holder to\baselineskip
13028   \prune\aslice\lftside
13029   \setbox\waslice=\vbox{\unvbox\waslice\hbox
13030   to\lftside{\box\aslice\hfil}}
13031   \ifdim\ht\holder>0pt\repeat
13032 \fi
13033 %
13034 % only text on the right side
13035 %
13036 \ifnum\nb>0
13037   \loop\advance\nb -1
13038   \setbox\bslice=\vsplit\holder to\baselineskip
13039   \prune\bslice\rtside
13040   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
13041   to\rtside{\box\bslice\hfil}}
13042   \ifdim\ht\holder>0pt\repeat
13043 \fi
13044 %
13045 % fixing the dimensions of the window part
13046 %
13047 \ifnum\bl=0\topheight=\ht\wbslice
13048 \else\ifnum\br=0\topheight=\ht\waslice
13049   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
13050   \else\topheight=\ht\wbslice\fi\fi\fi
13051 %
13052 % ship out the window material to the main vertical list
13053 %
13054 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
13055 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
13056 \fi\fi\fi
13057 \setbox>windowbox=\vbox{\hbox to\linewidth{%
13058 \ifnum\bl>0\box\waslice\hfill\fi%

```



```

13059 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
13060 \vfill\unvbox\picbox%
13061 \ifnum\picwd>0\vfill\fi%
13062 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
13063 \unvbox\windowbox%
13064 \loop
13065 \setbox\bslice=\vsplit\rawtext to\baselineskip
13066 \prune\bslice\linewidth
13067 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
13068 \unvbox\wbslice
13069 \ifdim\ht\rawtext>0pt
13070 \repeat
13071 }% FINITO

```

7.89 plain-xetex-bidi.def

```

13072 \def\TeXeTOn{\TeXeTstate=1 }
13073 \def\TeXeTOff{\TeXeTstate=0 }
13074 \TeXeTOn
13075 \def\usebox#1{\leavevmode\copy #1\relax}
13076 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox{
13077 \let\bidi@o@everypar=everypar
13078 \newtoks\bidi@n@everypar
13079 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
13080 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
13081 \let\everypar=\bidi@n@everypar
13082 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
13083 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
13084 \protected\def\hboxR{\hbox\bgroup
13085 \everyhbox{%
13086 \aftergroup\egroup
13087 \everyhbox{}}%
13088 \beginR
13089 \bgroup
13090 \aftergroup\endR
13091 \aftergroup\egroup
13092 }\hbox}
13093 \protected\def\hboxL{\hbox\bgroup
13094 \everyhbox{%
13095 \aftergroup\egroup
13096 \everyhbox{}}%
13097 \beginL
13098 \bgroup
13099 \aftergroup\endL
13100 \aftergroup\egroup
13101 }\hbox}
13102 \protected\def\vboxR{\vbox\bgroup
13103 \everyvbox{%
13104 \aftergroup\egroup
13105 \everyvbox{}}%

```



```

13106 \@RTLtrue
13107 \bgroup
13108 \aftergroup\egroup
13109 }\vbox}
13110 \protected\def\vboxL{\vbox\bgroup
13111 \everyvbox{%
13112 \aftergroup\egroup
13113 \everyvbox{}}%
13114 \@RTLfalse
13115 \bgroup
13116 \aftergroup\egroup
13117 }\vbox}
13118 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
13119 \def\endLTR{\par}
13120 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
13121 \def\endRTL{\par}
13122 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
13123 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
13124 \let\unsetRTL=\setLTR
13125 \let\unsetLTR=\setRTL
13126 \let\LR=\LRE
13127 \let\RL=\RLE
13128 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
13129 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
13130 \let\@ensure@RL=\@ensure@RTL
13131 \let\@ensure@LR=\@ensure@LTR
13132 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
13133 \let\@ensure@maindir=\@ensure@dir
13134 \def\@RTL{RTL}
13135 \def\@LTR{LTR}
13136 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
13137 \def\reset@dir{\ifx\save@@dir\@RTL\setRTL\else\ifx\save@@dir\@LTR\setLTR\else\relax\fi}
13138 \let\@TeX\TeX
13139 \def\TeX{\@ensure@LTR{\@TeX}}
13140 \long\def\@bidi@reflect@box#1{%
13141 \leavevmode
13142 \setbox\z@\hbox{{#1}}%
13143 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
13144 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
13145 }
13146 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
13147 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
13148 \let\setRL=\setRTL
13149 \let\setLR=\setLTR
13150 \let\unsetRL=\setLTR
13151 \let\@bidi@saved@eqno=\eqno
13152 \let\@bidi@saved@leqno=\leqno
13153 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
13154 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
13155 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}

```




```

13156 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
13157 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

7.90 pstricks-xetex-bidi.def

```

13158 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for
13159 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
13160 \def\endpspicture{%
13161   \ifshowgrid\ifnum\showgridp>0
13162     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
13163   \pst@killglue
13164   % \global\pst@shift=\pst@shift% in fact of the following endgroup
13165   \endgroup
13166   \egroup
13167   \ifdim\wd\pst@hbox=\z@ \else
13168     %\@pstrickserr{Extraneous space in the pspicture environment}%
13169     %\Type \space <return> \space to proceed.}%
13170   \fi
13171   \ht\pst@hbox=\pst@dimd
13172   \dp\pst@hbox=-\pst@dimb
13173   \setbox\pst@hbox=\hbox{%
13174     \kern-\pst@dimd
13175   % Orig version -----
13176   %\ifx\pst@tempa\@empty\else
13177   %\advance\pst@dimd-\pst@dimb
13178   %\pst@dimd=\pst@tempa\pst@dimd
13179   %\advance\pst@dimd\pst@dimb
13180   %\lower\pst@dimd
13181   %\fi
13182   %----- end Orig
13183   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
13184     \advance\pst@dimd-\pst@dimb
13185     \pst@dimd=0.5\pst@dimd
13186   \else\pst@dimd-\pst@shift\fi
13187   \advance\pst@dimd\pst@dimb
13188   \lower\pst@dimd
13189   \box\pst@hbox
13190   \kern\pst@dimc}%
13191   \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
13192   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
13193     \fboxsep=0pt
13194     \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
13195   \ifmmode\else\endL\fi
13196   \endgroup%
13197   \psset[pstricks]{shift=0}% reset value
13198 }

```

7.91 quotchap-xetex-bidi.def

```

13199 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
13200 \renewcommand{\qauthor}[1]{%

```



```

13201 \par\smallskip
13202 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qquad\hbox{}\par}\bigskip}
13203 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
13204 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
13205 {\chapnumfont
13206 \ifnum \c@secnumdepth >\m@ne%
13207 \if@mainmatter\thechapter%
13208 \fi\fi
13209 \par\nobreak}%
13210 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi10em
13211 \nobreak\chapterheadendvskip}}
13212 \renewcommand*{\@iprintcites}{%
13213 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
13214 \global\let\@printcites\relax}

```

7.92 ragged2e-xetex-bidi.def

```

13215 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
13216 \renewcommand{\Centering}{%
13217 \ifx\\ \@raggedtwoe@savedcr
13218 \let\\ \@centercr
13219 \fi
13220 \let\@gnewline\@raggedtwoe@gnewline
13221 \if@RTL\rightrightskip\else\leftskip\fi\CenteringLeftskip
13222 \@rightskip\CenteringRightskip
13223 \if@RTL\leftskip\else\rightrightskip\fi\@rightskip
13224 \parfillskip\CenteringParfillskip
13225 \parindent\CenteringParindent
13226 \@raggedtwoe@spaceskiptrue
13227 \@raggedtwoe@everyselectfont
13228 }
13229 \renewcommand{\RaggedLeft}{%
13230 \ifx\\ \@raggedtwoe@savedcr
13231 \let\\ \@centercr
13232 \fi
13233 \let\@gnewline\@raggedtwoe@gnewline
13234 \if@RTL\rightrightskip\else\leftskip\fi\RaggedLeftLeftskip
13235 \@rightskip\RaggedLeftRightskip
13236 \if@RTL\leftskip\else\rightrightskip\fi\@rightskip
13237 \parfillskip\RaggedLeftParfillskip
13238 \parindent\RaggedLeftParindent
13239 \@raggedtwoe@spaceskiptrue
13240 \@raggedtwoe@everyselectfont
13241 }
13242 \renewcommand{\RaggedRight}{%
13243 \ifx\\ \@raggedtwoe@savedcr
13244 \let\\ \@centercr
13245 \fi
13246 \let\@gnewline\@raggedtwoe@gnewline
13247 \if@RTL\rightrightskip\else\leftskip\fi\RaggedRightLeftskip

```



```

13248 \@rightskip\RaggedRightRightskip
13249 \if@RTL\leftskip\else\rightskip\fi\@rightskip
13250 \parfillskip\RaggedRightParfillskip
13251 \parindent\RaggedRightParindent
13252 \@raggedtwoe@spaceskiptrue
13253 \@raggedtwoe@everyselectfont
13254 }
13255 \renewcommand{\justifying}{%
13256 \let\\\@raggedtwoe@savedcr
13257 \let\@gnewline\@raggedtwoe@saved@gnewline
13258 \if@RTL\rightskip\else\leftskip\fi\z@
13259 \@rightskip\z@
13260 \if@RTL\leftskip\else\rightskip\fi\@rightskip
13261 \parfillskip\JustifyingParfillskip
13262 \parindent\JustifyingParindent
13263 \@raggedtwoe@spaceskipfalse
13264 \@raggedtwoe@everyselectfont
13265 }
13266 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{%
13267 \CheckCommand*{\@arrayparboxrestore}{%
13268 \let\if@nobreak\iffalse
13269 \let\if@noskipsec\iffalse
13270 \let\par\@par
13271 \let\-\@dischyph
13272 \let'\@acci\let\` \@accii\let\=\@acciii
13273 \parindent\z@ \parskip\z@skip
13274 \everypar{}%
13275 \linewidth\hsize
13276 \@totalleftmargin\z@
13277 \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
13278 \parfillskip\@flushglue \lineskip\normallineskip
13279 \baselineskip\normalbaselineskip
13280 \sloppy}%
13281 \renewcommand{\@arrayparboxrestore}{%
13282 \let\if@nobreak\iffalse
13283 \let\if@noskipsec\iffalse
13284 \let\par\@par
13285 \let\-\@dischyph
13286 \let'\@acci\let\` \@accii\let\=\@acciii
13287 \parskip\z@skip
13288 \everypar{}%
13289 \linewidth\hsize
13290 \@totalleftmargin\z@
13291 \RaggedRight
13292 \lineskip\normallineskip
13293 \baselineskip\normalbaselineskip
13294 \sloppy}%
13295 \let\@raggedtwoe@raggedrightboxes@opt\relax
13296 }
13297 \let\origin@RaggedLeft=\RaggedLeft

```



```

13298 \let\origin@RaggedRight=\RaggedRight
13299 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
13300 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.93 rapport1-xetex-bidi.def

```

13301 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for Xe
13302 \renewenvironment{theindex}{%
13303   \if@twocolumn
13304     \@restonecolfalse
13305   \else
13306     \@restonecoltrue
13307   \fi
13308   \columnseprule \z@
13309   \columnsep 35\p@
13310   \twocolumn[\@makeschapterhead{\indexname}]%
13311   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
13312   \thispagestyle{plain}\parindent\z@
13313   \parskip\z@ \@plus .3\p@\relax
13314   \let\item\@idxitem
13315 }{%
13316   \if@restonecol\onecolumn\else\clearpage\fi}
13317 \renewcommand*\head@style{%
13318   \interlinepenalty \@M
13319   \hyphenpenalty=\@M \exhyphenpenalty=\@M
13320   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
13321 \if@titlepage
13322   \renewenvironment{abstract}{%
13323     \titlepage
13324     \null\vfil
13325     \section*{\SectFont\abstractname}%
13326     \noindent\ignorespaces}
13327     {\par\vfil\null\endtitlepage}
13328 \else
13329   \renewenvironment{abstract}{%
13330     \if@twocolumn
13331       \section*{\abstractname}%
13332     \else
13333       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
13334       \section*{\small\SectFont\abstractname}%
13335       \noindent\ignorespaces
13336     \fi}
13337     {\if@twocolumn\else\par\egroup\fi}
13338 \fi
13339 \renewcommand*\@regtocline[3]{%
13340   \ifnum #1>\c@tocdepth
13341   \else
13342     \vskip\z@ \@plus .2\p@
13343     {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
13344     \if@RTL\rightskip\else\leftskip\fi\unitindent

```



```

13345 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
13346 \parfillskip\z@
13347 \@tempdima\unitindent
13348 \parindent\z@
13349 \leavevmode
13350 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
13351 \hskip 1em \nobreak{\slshape #3}\par
13352 }%
13353 \fi}
13354 \if@oldtoc
13355 \renewcommand*\l@part[2]{%
13356 \ifnum \c@tocdepth >-2\relax
13357 \addpenalty{-\@highpenalty}%
13358 \addvspace{2.25em \@plus\p@}%
13359 \begingroup
13360 \setlength\@tempdima{3em}%
13361 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13362 \parfillskip -\@pnumwidth
13363 {\leavevmode
13364 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13365 \nobreak
13366 \global\@nobreaktrue
13367 \everypar{\global\@nobreakfalse\everypar{}}%
13368 \endgroup
13369 \fi}
13370 \else
13371 \renewcommand*\l@part{%
13372 \ifnum \c@tocdepth >-2\relax
13373 \addpenalty{-\@highpenalty}%
13374 \addvspace{2.25em \@plus\p@}%
13375 \@regtocline{0}%
13376 \fi}
13377 \fi
13378 \if@oldtoc
13379 \renewcommand*\l@chapter[2]{%
13380 \addpenalty{-\@highpenalty}%
13381 \vskip 1.0em \@plus\p@
13382 \setlength\@tempdima{1.5em}%
13383 \begingroup
13384 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13385 \parfillskip -\@pnumwidth
13386 \leavevmode \bfseries
13387 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13388 \hskip -\if@RTL\rightskip\else\leftskip\fi
13389 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13390 \penalty\@highpenalty
13391 \endgroup}
13392 \else
13393 \renewcommand*\l@chapter{\@regtocline{0}}
13394 \fi

```



```

13395 \renewcommand*\left@footnoterule{%
13396   \kern-3\p@
13397   \kern.5\baselineskip
13398   \hrule\@width\unitindent
13399   \kern.4\baselineskip
13400 }
13401 \renewcommand*\right@footnoterule{%
13402   \kern-3\p@
13403   \kern.5\baselineskip
13404   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
13405   \kern.4\baselineskip}
13406 \renewenvironment{thebibliography}[1]
13407   {\chapter*{\bibname}%
13408     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
13409     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13410     \list{\@biblabel{\@arabic\c@enumiv}}%
13411       {\settowidth\labelwidth{\@biblabel{#1}}%
13412        \leftmargin\labelwidth
13413        \advance\leftmargin\labelsep
13414        \@openbib@code
13415        \usecounter{enumiv}%
13416        \let\p@enumiv\@empty
13417        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
13418     \sloppy\clubpenalty4000\widowpenalty4000%
13419     \sfcode`. \m}
13420   {\def\@noitemerr
13421     {\@latex@warning{Empty `thebibliography' environment}}%
13422     \endlist}
13423 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
13424 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
13425 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
13426 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
13427 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
13428 \renewcommand*\theequation{%
13429   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
13430 \renewcommand*\thefigure{%
13431   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
13432 \renewcommand*\thetable{%
13433   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
13434 \if@titlepage
13435 \renewcommand*\TitleFont{\rmfamily}
13436 \renewcommand*\maketitle{%
13437   \begin{titlepage}%
13438     \let\footnotesize\small
13439     \let\right@footnoterule\relax
13440     \let\left@footnoterule\relax
13441     \let\textwidth\footnoterule\relax
13442     \let \footnote \thanks
13443     \long\def\@makefnmark##1{\parindent\z@
13444       \def\labelitemi{\textendash}\@revlabeltrue

```



```

13445         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
13446 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13447 \if@compatibility\setcounter{page}{0}\fi
13448 \null\vfil
13449 \vskip 60\p@
13450 \begin{center}%
13451   \TitleFont
13452   {\LARGE \def\\{\penalty -\@M}
13453     \if@allcaps
13454       \expandafter\uc@nothanks\@title\thanks\relax
13455     \else
13456       \@title
13457     \fi\par}%
13458 \vskip 3em%
13459 {\large
13460   \lineskip .75em \parindent\z@
13461   \begin{tabular}[t]{c}%
13462     \if@allcaps
13463       \expandafter\uc@authornothanks\@author\and\relax
13464     \else
13465       \@author
13466     \fi
13467   \end{tabular}\par}%
13468 \vskip 1.5em%
13469 {\large
13470   \if@allcaps
13471     \uppercase\expandafter{\@date}%
13472   \else
13473     \@date
13474   \fi\par}%
13475 \end{center}\par
13476 \@thanks
13477 \vfil\null
13478 \end{titlepage}%
13479 \setcounter{footnote}{0}%
13480 \global\let\thanks\relax
13481 \global\let\maketitle\relax
13482 \global\let\@thanks\@empty
13483 \global\let\@author\@empty
13484 \global\let\@title\@empty
13485 \global\let\@date\@empty
13486 \global\let\title\relax
13487 \global\let\author\relax
13488 \global\let\date\relax
13489 \global\let\and\relax
13490 }
13491 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
13492 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
13493   \futurelet\@tempa\uc@ax}
13494 \def\uc@ax{%

```



```

13495 \ifx\@tempa\relax
13496 \else
13497   \\\andname \\\expandafter\uc@authornothanks
13498 \fi}
13499 \def\uc@tx{\ifx\@tempa\relax
13500   \else \expandafter\uc@ty \fi}
13501 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
13502 \else
13503 \renewcommand*\maketitle{\par
13504 \begingroup
13505   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13506   \def\@makefnmark{\rlap{%
13507     \@textsuperscript{\normalfont\@thefnmark}}}%
13508   \long\def\@makefntext{\@xmakefntext{%
13509     \@textsuperscript{\normalfont\@thefnmark}}}%
13510   \if@twocolumn
13511     \ifnum \col@number=\@one
13512       \@maketitle
13513     \else
13514       \twocolumn[\@maketitle]%
13515     \fi
13516   \else
13517     \newpage
13518     \global\@topnum\z@
13519     \@maketitle
13520   \fi
13521   \thispagestyle{plain}\@thanks
13522 \endgroup
13523 \setcounter{footnote}{0}%
13524 \global\let\thanks\relax
13525 \global\let\maketitle\relax
13526 \global\let\@maketitle\relax
13527 \global\let\@thanks\@empty
13528 \global\let\@author\@empty
13529 \global\let\@title\@empty
13530 \global\let\@date\@empty
13531 \global\let\title\relax
13532 \global\let\author\relax
13533 \global\let\date\relax
13534 \global\let\and\relax
13535 }
13536 \def\@maketitle{%
13537 \newpage
13538 \null
13539 \vskip 2em%
13540 \begin{center}%
13541   \let \footnote \thanks
13542   {\LARGE \TitleFont \@title \par}%
13543   \vskip 1.5em%
13544   {\large \TitleFont

```




```

13545     \lineskip .5em%
13546     \begin{tabular}[t]{c}%
13547         \@author
13548     \end{tabular}\par}%
13549     \vskip 1em%
13550     {\large \TitleFont \@date}%
13551 \end{center}%
13552 \par
13553 \vskip 1.5em}
13554 \fi

```

7.94 rapport3-xetex-bidi.def

```

13555 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
13556 \renewenvironment{theindex}{%
13557     \if@twocolumn
13558         \@restonecolfalse
13559     \else
13560         \@restonecoltrue
13561     \fi
13562     \columnseprule \z@
13563     \columnsep 35\p@
13564     \twocolumn[{\@makeschapterhead{\indexname}}]%
13565     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
13566     \thispagestyle{plain}\parindent\z@
13567     \parskip\z@ \@plus .3\p@\relax
13568     \let\item\@idxitem
13569     }{%
13570     \if@restonecol\onecolumn\else\clearpage\fi}
13571 \if@titlepage
13572 \renewcommand*\TitleFont{\rmfamily}
13573 \renewcommand*\maketitle{%
13574     \begin{titlepage}%
13575         \let\footnotesize\small
13576         \let\right@footnoterule\relax
13577         \let\left@footnoterule\relax
13578         \let\textwidth@footnoterule\relax
13579         \let \footnote \thanks
13580         \let \LTRfootnote \LTRthanks
13581         \let \RTLfootnote \RTLthanks
13582         \long\def\@makefnmark##1{\parindent\z@
13583             \def\labelitemi{\textendash}\@revlabeltrue
13584             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
13585         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13586         \if@compatibility\setcounter{page}{0}\fi
13587         \null\vfil
13588         \vskip 60\p@
13589         \begin{center}%
13590             \TitleFont
13591             {\LARGE \def\\{\penalty -\@M}

```



```

13592     \if@allcaps
13593         \expandafter\uc@nothanks\@title\thanks\relax
13594     \else
13595         \@title
13596     \fi\par}%
13597 \vskip 3em%
13598 {\large
13599 \lineskip .75em \parindent\z@
13600 \begin{tabular}[t]{c}%
13601     \if@allcaps
13602         \expandafter\uc@authornothanks\@author\and\relax
13603     \else
13604         \@author
13605     \fi
13606 \end{tabular}\par}%
13607 \vskip 1.5em%
13608 {\large
13609     \if@allcaps
13610         \uppercase\expandafter{\@date}%
13611     \else
13612         \@date
13613     \fi\par}%
13614 \end{center}}\par
13615 \@thanks
13616 \vfil\null
13617 \end{titlepage}%
13618 \setcounter{footnote}{0}%
13619 \global\let\thanks\relax
13620 \global\let\LTRthanks\relax
13621 \global\let\RTLthanks\relax
13622 \global\let\maketitle\relax
13623 \global\let\@thanks\@empty
13624 \global\let\@author\@empty
13625 \global\let\@title\@empty
13626 \global\let\@date\@empty
13627 \global\let\title\relax
13628 \global\let\author\relax
13629 \global\let\date\relax
13630 \global\let\and\relax
13631 }
13632 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
13633 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
13634     \futurelet\@tempa\uc@ax}
13635 \def\uc@ax{%
13636     \ifx\@tempa\relax
13637     \else
13638         \\\andname \\\ \expandafter\uc@authornothanks
13639     \fi}
13640 \def\uc@tx{\ifx\@tempa\relax
13641     \else \expandafter\uc@ty \fi}

```



```

13642 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
13643 \else
13644 \renewcommand*\maketitle{\par
13645   \begingroup
13646     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13647     \def\@makefnmark{\rlap{%
13648       \@textsuperscript{\normalfont\@thefnmark}}}%
13649     \long\def\@makefntext{\@xmakefntext{%
13650       \@textsuperscript{\normalfont\@thefnmark}}}%
13651     \if@twocolumn
13652       \ifnum \col@number=\@ne
13653         \@maketitle
13654       \else
13655         \twocolumn[\@maketitle]%
13656       \fi
13657     \else
13658       \newpage
13659       \global\@topnum\z@
13660       \@maketitle
13661     \fi
13662     \thispagestyle{plain}\@thanks
13663   \endgroup
13664   \setcounter{footnote}{0}%
13665   \global\let\thanks\relax
13666   \global\let\LTRthanks\relax
13667   \global\let\RTLthanks\relax
13668   \global\let\maketitle\relax
13669   \global\let\@maketitle\relax
13670   \global\let\@thanks\@empty
13671   \global\let\@author\@empty
13672   \global\let\@title\@empty
13673   \global\let\@date\@empty
13674   \global\let\title\relax
13675   \global\let\author\relax
13676   \global\let\date\relax
13677   \global\let\and\relax
13678 }
13679 \def\@maketitle{%
13680   \newpage
13681   \null
13682   \vskip 2em%
13683   \if@titlecentered
13684     \begin{center}%
13685       \let \footnote \thanks
13686       \let \LTRfootnote \LTRthanks
13687       \let \RTLfootnote \RTLthanks
13688       {\LARGE \TitleFont \@title \par}%
13689       \vskip 1.5em%
13690       {\large \TitleFont
13691         \lineskip .5em%

```



```

13692     \begin{tabular}[t]{c}%
13693         \@author
13694     \end{tabular}\par}%
13695     \vskip 1em%
13696     {\large \TitleFont \@date}%
13697 \end{center}}%
13698 \else
13699     {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
13700     {\large \TitleFont \lineskip .5em \tabcolsep\z@
13701         \def\and{%% \begin{tabular} has already started
13702             \end{tabular}\hskip 1em plus .17fil
13703             \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
13704             \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
13705     \vskip 1em {\large \TitleFont \@date}
13706 \fi
13707 \par
13708 \vskip 1.5em}
13709 \fi
13710 \renewcommand*\@regtocline[3]{%
13711     \ifnum #1>\c@tocdepth
13712     \else
13713         \vskip\z@\@plus.2\p@
13714         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
13715             \ifRTL\righskip\else\leftskip\fi\unitindent
13716             \ifRTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
13717             \parfillskip\z@
13718             \@tempdima\unitindent
13719             \parindent\z@
13720             \leavevmode
13721             \hbox{}\hskip -\ifRTL\righskip\else\leftskip\fi\relax#2\nobreak
13722             \hskip 1em \nobreak{\slshape #3}\par
13723         }%
13724     \fi}
13725 \if@oldtoc
13726 \renewcommand*\l@part[2]{%
13727     \ifnum \c@tocdepth >-2\relax
13728         \addpenalty{-\@highpenalty}%
13729         \addvspace{2.25em \@plus\p@}%
13730         \begingroup
13731             \setlength\@tempdima{3em}%
13732             \parindent \z@ \ifRTL\leftskip\else\righskip\fi \@pnumwidth
13733             \parfillskip -\@pnumwidth
13734             {\leavevmode
13735                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13736             \nobreak
13737             \global\@nobreaktrue
13738             \everypar{\global\@nobreakfalse\everypar{}}%
13739         \endgroup
13740     \fi}
13741 \else

```



```

13742 \renewcommand*\l@part{%
13743     \ifnum \c@tocdepth >-2\relax
13744         \addpenalty{-\@highpenalty}%
13745         \addvspace{2.25em \@plus \p}%
13746         \@regtocline{0}%
13747     \fi}
13748 \fi
13749 \if@oldtoc
13750 \renewcommand*\l@chapter[2]{%
13751     \addpenalty{-\@highpenalty}%
13752     \vskip 1.0em \@plus\p@
13753     \setlength\@tempdima{1.5em}%
13754     \begingroup
13755     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13756     \parfillskip -\@pnumwidth
13757     \leavevmode \bfseries
13758     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13759     \hskip -\if@RTL\rightskip\else\leftskip\fi
13760     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13761     \penalty\@highpenalty
13762     \endgroup}
13763 \else
13764 \renewcommand*\l@chapter{\@regtocline{0}}
13765 \fi
13766 \renewcommand*\head@style{%
13767     \interlinepenalty \@M
13768     \hyphenpenalty=\@M \exhyphenpenalty=\@M
13769     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
13770 \if@titlepage
13771 \renewenvironment{abstract}{%
13772     \titlepage
13773     \null\vfil
13774     \section*{\SectFont\abstractname}%
13775     \noindent\ignorespaces}
13776     {\par\vfil\null\endtitlepage}
13777 \else
13778 \renewenvironment{abstract}{%
13779     \if@twocolumn
13780         \section*{\abstractname}%
13781     \else
13782         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
13783         \section*{\small\SectFont\abstractname}%
13784         \noindent\ignorespaces
13785     \fi}
13786     {\if@twocolumn\else\par\egroup\fi}
13787 \fi
13788 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
13789 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
13790 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
13791 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}

```



```

13792 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
13793 \renewcommand*\thefigure{%
13794   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
13795 \renewcommand*\thetable{%
13796   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
13797 \renewcommand*\theequation{%
13798   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
13799 \renewenvironment{thebibliography}[1]
13800   {\chapter*\bibname}%
13801   \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
13802   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
13803   \list{\@biblabel{\@arabic\c@enumiv}}%
13804     {\settowidth\labelwidth{\@biblabel{#1}}%
13805      \leftmargin\labelwidth
13806      \advance\leftmargin\labelsep
13807      \@openbib@code
13808      \usecounter{enumiv}%
13809      \let\p@enumiv\@empty
13810      \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
13811   \sloppy\clubpenalty4000\widowpenalty4000%
13812   \sfcode`\.\@m}
13813   {\def\@noitemerr
13814     {\@latex@warning{Empty `thebibliography' environment}}%
13815     \endlist}
13816 \renewcommand*\left@footnoterule{%
13817   \kern-3\p@
13818   \kern.5\baselineskip
13819   \hrule\@width\unitindent
13820   \kern.4\baselineskip
13821 }
13822 \renewcommand*\right@footnoterule{%
13823   \kern-3\p@
13824   \kern.5\baselineskip
13825   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
13826   \kern.4\baselineskip}
13827 \renewcommand*\head@style{%
13828   \interlinepenalty \@M
13829   \hyphenpenalty=\@M \exhyphenpenalty=\@M
13830   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.95 refrep-xetex-bidi.def

```

13831 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX]
13832 \if@titlepage
13833   \renewcommand\maketitle{\begin{titlepage}%
13834     \let\footnotesize\small
13835     \let\right@footnoterule\relax
13836     \let\left@footnoterule\relax
13837     \let\textwidth\footnoterule\relax
13838     \let\footnote\thanks

```



```

13839 \let\LTRfootnote\LTRthanks
13840 \let\RTLfootnote\RTLthanks
13841 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13842 \def\@makefnmark%
13843     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13844 \long\def\@makefntext##1{%
13845     \setpar{\@par
13846         \tempdima = \hsize
13847         \advance\tempdima -1em
13848         \parshape \@ne 1em \tempdima}%
13849     \par\parindent 1em \noindent
13850     \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
13851 \null\vfil
13852 \vskip 60\p@
13853 \begin{center}%
13854     {\LARGE \@title \par}%
13855     \vskip 3em%
13856     {\large
13857         \lineskip .75em%
13858         \begin{tabular}[t]{c}%
13859             \@author
13860         \end{tabular}\par}%
13861     \vskip 1.5em%
13862     {\large \@date \par}%           % Set date in \large size.
13863 \end{center}\par
13864 \@thanks
13865 \vfil\null
13866 \end{titlepage}%
13867 \setcounter{footnote}{0}%
13868 \global\let\thanks\relax
13869 \global\let\LTRthanks\relax
13870 \global\let\RTLthanks\relax
13871 \global\let\maketitle\relax
13872 \global\let\@thanks\@empty
13873 \global\let\@author\@empty
13874 \global\let\@date\@empty
13875 \global\let\@title\@empty
13876 \global\let\title\relax
13877 \global\let\author\relax
13878 \global\let\date\relax
13879 \global\let\and\relax
13880 }
13881 \else
13882 \renewcommand\maketitle{\par
13883     \begingroup
13884         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13885         \def\@makefnmark%
13886             {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13887         \long\def\@makefntext##1{%
13888             \setpar{\@par

```



```

13889         \@tempdima = \hsize
13890         \advance\@tempdima -1em
13891         \parshape \@ne 1em \@tempdima}%
13892     \par\parindent 1em \noindent
13893     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
13894 \if@twocolumn
13895     \ifnum \col@number=\@ne
13896         \@maketitle
13897     \else
13898         \twocolumn[\@maketitle]%
13899     \fi
13900 \else
13901     \newpage
13902     \global\@topnum\z@    % Prevents figures from going at top of page.
13903     \@maketitle
13904 \fi
13905 \thispagestyle{empty}\@thanks
13906 \endgroup
13907 \setcounter{footnote}{0}%
13908 \global\let\thanks\relax
13909 \global\let\LTRthanks\relax
13910 \global\let\RTLthanks\relax
13911 \global\let\maketitle\relax
13912 \global\let\@maketitle\relax
13913 \global\let\@thanks\@empty
13914 \global\let\@author\@empty
13915 \global\let\@date\@empty
13916 \global\let\@title\@empty
13917 \global\let\title\relax
13918 \global\let\author\relax
13919 \global\let\date\relax
13920 \global\let\and\relax
13921 }
13922 \def\@maketitle{%
13923     \newpage
13924     \null
13925     \longthickrule\vskip1.5em%
13926     \let \footnote \thanks
13927     \let \LTRfootnote \LTRthanks
13928     \let \RTLfootnote \RTLthanks
13929     {\secshape \parskip\z@ \parindent\z@
13930     \Large\bfseries \@title \par}%
13931     \vskip1.5em\longthickrule\vskip1.5em%
13932     {\normalsize
13933         \lineskip .5em%
13934         \begin{flushright}%
13935             {\slshape\@author\par}
13936             \vskip 1em%
13937             {\@date}%
13938         \end{flushright}\par}%

```




```

13939 \vskip 1.5em}
13940 \fi
13941 \renewcommand*\l@part[2]{%
13942 \ifnum \c@tocdepth >-2\relax
13943 \addpenalty{-\@highpenalty}%
13944 \addvspace{2.25em \@plus\p@}%
13945 \begingroup
13946 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13947 \parfillskip -\@pnumwidth
13948 {\leavevmode
13949 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
13950 \nobreak
13951 \global\@nobreaktrue
13952 \everypar{\global\@nobreakfalse\everypar{}}%
13953 \endgroup
13954 \fi}
13955 \renewcommand*\l@chapter[2]{%
13956 \ifnum \c@tocdepth >\m@ne
13957 \addpenalty{-\@highpenalty}%
13958 \vskip 1.0em \@plus\p@
13959 \setlength\@tempdima{1.5em}%
13960 \begingroup
13961 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13962 \parfillskip -\@pnumwidth
13963 \leavevmode \bfseries
13964 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13965 \hskip -\if@RTL\rightskip\else\leftskip\fi
13966 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13967 \penalty\@highpenalty
13968 \endgroup
13969 \fi}
13970 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
13971 \if@RTL\leftskip\else\rightskip\fi=\flushglue%
13972 \hyphenpenalty=2000}
13973 \renewcommand\left@footnoterule{%
13974 \kern-3\p@
13975 \hrule\@width.4\columnwidth
13976 \kern 2.6\p@}
13977 \renewcommand\right@footnoterule{%
13978 \kern-3\p@
13979 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13980 \kern2.6\p@}
13981 \renewcommand\theequation
13982 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13983 \renewcommand\thefigure
13984 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13985 \renewcommand\thetable%
13986 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
13987 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
13988 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

13989 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
13990 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13991 \renewcommand\thesubparagraph {\thesubparagraph\@SepMark\@arabic\c@subparagraph}
13992 \renewenvironment{thebibliography}[1]
13993     {\chapter*{\bibname
13994       \mkboth{\bibname}{\bibname}}}%
13995 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13996 \list{\@biblabel{\@arabic\c@enumiv}}%
13997     {\settowidth\labelwidth{\@biblabel{#1}}%
13998     \leftmargin\labelwidth
13999     \advance\leftmargin\labelsep
14000     \@openbib@code
14001     \usecounter{enumiv}%
14002     \let\p@enumiv\@empty
14003     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
14004     \sloppy
14005     \clubpenalty4000
14006     \@clubpenalty \clubpenalty
14007     \widowpenalty4000%
14008     \sfcode`\.=\@m}
14009 {\def\@noitemerr
14010   {\@latex@warning{Empty `thebibliography' environment}}}%
14011 \endlist}

```

7.96 report-xetex-bidi.def

```

14012 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
14013 \renewenvironment{theindex}
14014     {\if@twocolumn
14015       \@restonecolfalse
14016       \else
14017       \@restonecoltrue
14018       \fi
14019       \columnseprule \z@
14020       \columnsep 35\p@
14021       \twocolumn[\@makeschapterhead{\indexname}]%
14022       \mkboth{\MakeUppercase\indexname}%
14023       {\MakeUppercase\indexname}%
14024       \thispagestyle{plain}\parindent\z@
14025       \parskip\z@ \@plus .3\p@\relax
14026       \let\item\@idxitem}
14027     {\if@restonecol\onecolumn\else\clearpage\fi}
14028 \if@titlepage
14029 \renewcommand\maketitle{\begin{titlepage}%
14030 \let\footnotesize\small
14031 \let\right@footnoterule\relax
14032 \let\left@footnoterule\relax
14033 \let\textwidth\footnoterule\relax
14034 \let \footnote \thanks
14035 \let \LTRfootnote \LTRthanks

```



```

14036 \let \RTLfootnote \RTLthanks
14037 \null\vfil
14038 \vskip 60\p@
14039 \begin{center}%
14040   {\LARGE \@title \par}%
14041   \vskip 3em%
14042   {\large
14043     \lineskip .75em%
14044     \begin{tabular}[t]{c}%
14045       \@author
14046     \end{tabular}\par}%
14047   \vskip 1.5em%
14048   {\large \@date \par}%           % Set date in \large size.
14049 \end{center}\par
14050 \@thanks
14051 \vfil\null
14052 \end{titlepage}%
14053 \setcounter{footnote}{0}%
14054 \global\let\thanks\relax
14055 \global\let\LTRthanks\relax
14056 \global\let\RTLthanks\relax
14057 \global\let\maketitle\relax
14058 \global\let\@thanks\@empty
14059 \global\let\@author\@empty
14060 \global\let\@date\@empty
14061 \global\let\@title\@empty
14062 \global\let\title\relax
14063 \global\let\author\relax
14064 \global\let\date\relax
14065 \global\let\and\relax
14066 }
14067 \else
14068 \renewcommand\maketitle{\par
14069   \begingroup
14070     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
14071     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
14072     \long\def\@makefntext##1{\parindent 1em\noindent
14073       \hb@xt@1.8em{%
14074         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
14075     \if@twocolumn
14076       \ifnum \col@number=\@ne
14077         \@maketitle
14078       \else
14079         \twocolumn[\@maketitle]%
14080       \fi
14081     \else
14082       \newpage
14083       \global\@topnum\z@      % Prevents figures from going at top of page.
14084       \@maketitle
14085     \fi

```



```

14086 \thispagestyle{plain}\@thanks
14087 \endgroup
14088 \setcounter{footnote}{0}%
14089 \global\let\thanks\relax
14090 \global\let\LTRthanks\relax
14091 \global\let\RTLthanks\relax
14092 \global\let\maketitle\relax
14093 \global\let\@maketitle\relax
14094 \global\let\@thanks\@empty
14095 \global\let\@author\@empty
14096 \global\let\@date\@empty
14097 \global\let\@title\@empty
14098 \global\let\title\relax
14099 \global\let\author\relax
14100 \global\let\date\relax
14101 \global\let\and\relax
14102 }
14103 \def\@maketitle{%
14104 \newpage
14105 \null
14106 \vskip 2em%
14107 \begin{center}%
14108 \let \footnote \thanks
14109 \let \LTRfootnote \LTRthanks
14110 \let \RTLfootnote \RTLthanks
14111 {\LARGE \@title \par}%
14112 \vskip 1.5em%
14113 {\large
14114 \lineskip .5em%
14115 \begin{tabular}[t]{c}%
14116 \@author
14117 \end{tabular}\par}%
14118 \vskip 1em%
14119 {\large \@date}%
14120 \end{center}%
14121 \par
14122 \vskip 1.5em}
14123 \fi
14124 \renewcommand*{\l@part[2]{%
14125 \ifnum \c@tocdepth >-2\relax
14126 \addpenalty{-\@highpenalty}%
14127 \addvspace{2.25em \@plus\p@}%
14128 \setlength\@tempdima{3em}%
14129 \begingroup
14130 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
14131 \parfillskip -\@pnumwidth
14132 {\leavevmode
14133 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14134 \nobreak
14135 \global\@nobreaktrue

```



```

14136         \everypar{\global\@nobreakfalse\everypar{}}%
14137     \endgroup
14138 \fi}
14139 \renewcommand*{\l@chapter[2]{%
14140     \ifnum \c@tocdepth >\m@ne
14141         \addpenalty{-\@highpenalty}%
14142         \vskip 1.0em \@plus\p@
14143         \setlength\@tempdima{1.5em}%
14144         \begingroup
14145             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14146             \parfillskip -\@pnumwidth
14147             \leavevmode \bfseries
14148             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14149             \hskip -\if@RTL\rightskip\else\leftskip\fi
14150             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14151             \penalty\@highpenalty
14152         \endgroup
14153 \fi}
14154 \renewcommand\left@footnoterule{%
14155     \kern-3\p@
14156     \hrule\@width.4\columnwidth
14157     \kern2.6\p@}
14158 \renewcommand\right@footnoterule{%
14159     \kern-3\p@
14160     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14161     \kern2.6\p@}
14162 \renewcommand\theequation
14163     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14164 \renewcommand \thefigure
14165     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14166 \renewcommand \thetable
14167     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
14168 \renewcommand \thechapter {\@arabic\c@chapter}
14169 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
14170 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14171 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
14172 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
14173 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
14174 \def\@makechapterhead#1{%
14175     \vspace*{50\p@}%
14176     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
14177         \ifnum \c@secnumdepth >\m@ne
14178             \huge\bfseries \@chapapp\space \thechapter
14179             \par\nobreak
14180             \vskip 20\p@
14181         \fi
14182         \interlinepenalty\@M
14183         \Huge \bfseries #1\par\nobreak
14184         \vskip 40\p@
14185     }}

```



```

14186 \def\@makeschapterhead#1{%
14187   \vspace*{50\p@}%
14188   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
14189     \normalfont
14190     \interlinepenalty\@M
14191     \Huge \bfseries #1\par\nobreak
14192     \vskip 40\p@
14193   }}
14194 \renewenvironment{thebibliography}[1]
14195   {\chapter*{\bibname}%
14196     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14197     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14198     \list{\@biblabel{\@arabic\c@enumiv}}{%
14199       {\settowidth\labelwidth{\@biblabel{#1}}%
14200        \leftmargin\labelwidth
14201        \advance\leftmargin\labelsep
14202        \@openbib@code
14203        \usecounter{enumiv}%
14204        \let\p@enumiv\@empty
14205        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
14206     \sloppy
14207     \clubpenalty4000
14208     \@clubpenalty \clubpenalty
14209     \widowpenalty4000%
14210     \sfcode`\.\@m}
14211   {\def\@noitemerr
14212     {\@latex@warning{Empty `thebibliography' environment}}%
14213     \endlist}

```

7.97 rotating-xetex-bidi.def

```

14214 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
14215 \def\end@rotfloat{%
14216   \end{minipage}\end{lrbox}%
14217   \stepcounter{r@tfl@t}%
14218   \rot@label{RF\ther@tfl@t}%
14219   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
14220   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
14221   \rot@mess@toks\expandafter{\@tempa}
14222   \wd\rot@float@box\z@
14223   \ht\rot@float@box\z@
14224   \dp\rot@float@box\z@
14225   \vboxL to \textheight{%
14226     \setkeys{Grot}{units=360}%
14227     \if@rot@twoside
14228     \else
14229       \let\R@@page\rot@LR
14230     \fi
14231     \ifthenelse{\isodd{\R@@page}}{%
14232       \if@rot@twoside

```



```

14233     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
14234     \fi
14235     \vfill
14236     \@@line{%
14237         \hskip\rotFPtop
14238         \rotatebox{90}{\box\rot@float@box}%
14239         \hskip\rotFPbot
14240     }%
14241 }{%
14242     \if@rot@twoside
14243     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
14244     \fi
14245     \@@line{%
14246         \hskip\rotFPbot
14247         \rotatebox{-90}{\box\rot@float@box}%
14248         \hskip\rotFPtop
14249     }%
14250     \vfill
14251 }%
14252 \rot@message{\the\rot@mess@toks}
14253 }%
14254 \end@float
14255 }
14256 \let\endsidewaysfigure\end@rotfloat
14257 \let\endsidewaysstable\end@rotfloat
14258 \def\end@rotdblfloat{%
14259     \end{minipage}\end{lrbox}%
14260     \stepcounter{r@tfl@t}%
14261     \rot@label{RF\ther@tfl@t}%
14262     \rot@pageref{RF\ther@tfl@t}{\R@@page}%
14263     \edef\@tempa{Adding sideways \c@type\space on page \R@@page\space}
14264     \rot@mess@toks\expandafter{\@tempa}
14265     \@tempdima\ht\rot@float@box
14266     \advance\@tempdima by \dp\rot@float@box
14267     \wd\rot@float@box\z@
14268     \ht\rot@float@box\z@
14269     \dp\rot@float@box\z@
14270     \vboxL to \textheight{%
14271         \setkeys{Grot}{units=360}%
14272         \if@rot@twoside
14273         \else
14274             \let\R@@page\rot@LR
14275         \fi
14276         \ifthenelse{\isodd{\R@@page}}{%
14277             \ifrot@messages
14278             \if@rot@twoside
14279             \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
14280     \fi
14281     \fi
14282     \vfill

```



```

14283     \@@line{%
14284         \hskip\rotFPtop
14285         \rotatebox{90}{\box\rot@float@box}%
14286         \hskip\rotFPbot
14287     }%
14288 }{%
14289     \ifrot@messages
14290     \if@rot@twoside
14291     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
14292 \fi
14293     \fi%
14294     \@@line{%
14295         \hskip\rotFPbot
14296         \rotatebox{-90}{\box\rot@float@box}%
14297         \hskip\rotFPtop
14298     }%
14299     \vfill
14300 }%
14301     \rot@message{\the\rot@mess@toks}%
14302 }%
14303 \end@dblfloat
14304 }
14305 \def\turn#1{%
14306     \Grot@setangle{#1}%
14307     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14308 \def\endturn{%
14309     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14310     \unskip\color@endbox
14311     \Grot@x\z@
14312     \Grot@y\z@
14313     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14314 }
14315 \def\rotate#1{%
14316     \Grot@setangle{#1}%
14317     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14318 \def\endrotate{%
14319     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14320     \unskip\color@endbox
14321     \Grot@x\z@
14322     \Grot@y\z@
14323     \wd0\z@\dp0\z@\ht0\z@
14324     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14325 }
14326 \def\turnbox#1#2{%
14327     \Grot@setangle{#1}%
14328     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
14329     \Grot@x\z@\Grot@y\z@
14330     \wd0\z@\dp0\z@\ht0\z@
14331     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14332 }

```




```

14333 \def\sideways{%
14334   \Grot@setangle{90}%
14335   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14336 \def\endsideways{%
14337   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14338   \unskip\color@endbox
14339   \Grot@x\z@
14340   \Grot@y\z@
14341   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14342 }

```

7.98 scrartcl-xetex-bidi.def

```

14343 \ProvidesFile{scrartcl-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrartcl class for Xe
14344 \newcommand{\scr@saved@LTRfootnotetext}{}
14345 \newcommand{\scr@saved@RTLfootnotetext}{}
14346 \let\scr@saved@footnotetext\@footnotetext
14347 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14348 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14349 \renewcommand{\@footnotetext}[1]{%
14350   \scr@saved@footnotetext{#1}%
14351   \csname FN@mfp@prepare\endcsname
14352 }
14353 \renewcommand{\@LTRfootnotetext}[1]{%
14354   \scr@saved@LTRfootnotetext{#1}%
14355   \csname FN@mfp@prepare\endcsname
14356 }
14357 \renewcommand{\@RTLfootnotetext}[1]{%
14358   \scr@saved@RTLfootnotetext{#1}%
14359   \csname FN@mfp@prepare\endcsname
14360 }
14361 \renewcommand\deffootnote[4][1]{%
14362   \long\def\@makefn#1{%
14363     \setlength{\@tempdimc}{#3}%
14364     \def\@tempa{#1}\ifx\@tempa\@empty
14365       \setpar{\@par
14366         \@tempdima = \hspace
14367         \addtolength{\@tempdima}{-#2}%
14368         \if@RTL\parshape \@ne 0pt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14369     \else
14370       \addtolength{\@tempdimc}{#2}%
14371       \addtolength{\@tempdimc}{-#1}%
14372       \setpar{\@par
14373         \@tempdima = \hspace
14374         \addtolength{\@tempdima}{-#1}%
14375         \@tempdimb = \hspace
14376         \addtolength{\@tempdimb}{-#2}%
14377         \if@RTL\parshape \tw@ 0pt \@tempdima 0pt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
14378       }%
14379     \fi

```



```

14380 \par
14381 \parindent\@tempdimc\noindent
14382 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14383 }%
14384 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
14385 }
14386 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14387 \renewcommand*\left@footnoterule{%
14388 \normalsize\ftn@rule@test@values
14389 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14390 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14391 {\usekomafont{footnoterule}{%
14392 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14393 \kern 2.6\p@}
14394 \renewcommand*\right@footnoterule{%
14395 \normalsize\ftn@rule@test@values
14396 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14397 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14398 {\usekomafont{footnoterule}{%
14399 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
14400 \kern 2.6\p@}
14401 \renewcommand*\maketitle[1][1]{%
14402 \if@titlepage
14403 \begin{titlepage}
14404 \setcounter{page}{%
14405 #1%
14406 }%
14407 \let\footnotesize\small
14408 \let\right@footnoterule\relax
14409 \let\left@footnoterule\relax
14410 \let\textwidth\footnoterule\relax
14411 \let\footnote\thanks
14412 \let\LTRfootnote\LTRthanks
14413 \let\RTLfootnote\RTLthanks
14414 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14415 \let\@oldmakefnmark\@makefnmark
14416 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
14417 \ifx\@extratitle\@empty \else
14418 \noindent\@extratitle\next@tpage\cleardoubleemptypage
14419 \thispagestyle{empty}%
14420 \fi
14421 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14422 \ifx\@titlehead\@empty \else
14423 \begin{minipage}[t]{\textwidth}%
14424 \@titlehead
14425 \end{minipage}\par
14426 \fi
14427 \null\vfill
14428 \begin{center}
14429 \ifx\@subject\@empty \else

```



```

14430         {\subject@font \@subject \par}%
14431         \vskip 3em
14432     \fi
14433     {\titlefont\huge \@title\par}%
14434     \vskip 1em
14435     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14436     \vskip 2em
14437     {\Large \lineskip 0.75em
14438     \begin{tabular}[t]{c}
14439         \@author
14440     \end{tabular}\par
14441     }%
14442     \vskip 1.5em
14443     {\Large \@date \par}%
14444     \vskip \z@ \@plus3fill
14445     {\Large \@publishers \par}%
14446     \vskip 3em
14447     \end{center}\par
14448     \@thanks
14449     \vfill\null
14450     \if@twoside\next@tpage
14451         \begin{minipage}[t]{\textwidth}
14452             \@uppertitleback
14453         \end{minipage}\par
14454         \vfill
14455         \begin{minipage}[b]{\textwidth}
14456             \@lowertitleback
14457         \end{minipage}
14458     \fi
14459     \ifx\@dedication\@empty \else
14460         \next@tpage\null\vfill
14461         {\centering \Large \@dedication \par}%
14462         \vskip \z@ \@plus3fill
14463         \if@twoside \next@tpage\cleardoubleemptypage \fi
14464     \fi
14465     \end{titlepage}
14466 \else
14467     \par
14468     \@tempcnta=%
14469     #1%
14470     \relax\ifnum\@tempcnta=1\else
14471         \ClassWarning{KOMAClassName}{%
14472             Optional argument of \string\maketitle\space ignored
14473             at\MessageBreak
14474             notitlepage-mode%
14475         }%
14476     \fi
14477     \begingroup
14478         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14479         \let\@oldmakefnmark\@makefnmark

```



```

14480 \renewcommand*{\@makefnmark}{\rlap{\oldmakefnmark}}
14481 \if@twocolumn
14482 \ifnum \col@number=\@ne
14483 \maketitle
14484 \else
14485 \twocolumn[\maketitle]%
14486 \fi
14487 \else
14488 \newpage
14489 \global\@topnum\z@
14490 \maketitle
14491 \fi
14492 \thispagestyle{\titlepagestyle}\@thanks
14493 \endgroup
14494 \fi
14495 \setcounter{footnote}{0}%
14496 \let\thanks\relax
14497 \let\LTRthanks\relax
14498 \let\RTLthanks\relax
14499 \let\maketitle\relax
14500 \let\@maketitle\relax
14501 \global\let\@thanks\@empty
14502 \global\let\@author\@empty
14503 \global\let\@date\@empty
14504 \global\let\@title\@empty
14505 \global\let\@subtitle\@empty
14506 \global\let\@extratitle\@empty
14507 \global\let\@titlehead\@empty
14508 \global\let\@subject\@empty
14509 \global\let\@publishers\@empty
14510 \global\let\@uppertitleback\@empty
14511 \global\let\@lowertitleback\@empty
14512 \global\let\@dedication\@empty
14513 \global\let\author\relax
14514 \global\let\title\relax
14515 \global\let\extratitle\relax
14516 \global\let\titlehead\relax
14517 \global\let\subject\relax
14518 \global\let\publishers\relax
14519 \global\let\uppertitleback\relax
14520 \global\let\lowertitleback\relax
14521 \global\let\dedication\relax
14522 \global\let\date\relax
14523 \global\let\and\relax
14524 }%
14525 \renewcommand*{\@maketitle}{%
14526 \clearpage
14527 \let\footnote\thanks
14528 \let\LTRfootnote\LTRthanks
14529 \let\RTLfootnote\RTLthanks

```



```

14530 \ifx\@extratitle\@empty \else
14531   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
14532 \fi
14533 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14534 \ifx\@titlehead\@empty \else
14535   \begin{minipage}[t]{\textwidth}
14536     \@titlehead
14537   \end{minipage}\par
14538 \fi
14539 \null
14540 \vskip 2em%
14541 \begin{center}%
14542   \ifx\@subject\@empty \else
14543     {\subject@font \@subject \par}
14544     \vskip 1.5em
14545   \fi
14546   {\titlefont\huge \@title \par}%
14547   \vskip .5em
14548   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14549   \vskip 1em
14550   {\Large
14551     \lineskip .5em%
14552     \begin{tabular}[t]{c}
14553       \@author
14554     \end{tabular}\par
14555   }%
14556   \vskip 1em%
14557   {\Large \@date \par}%
14558   \vskip \z@ \@plus 1em
14559   {\Large \@publishers \par}
14560   \ifx\@dedication\@empty \else
14561     \vskip 2em
14562     {\Large \@dedication \par}
14563   \fi
14564 \end{center}%
14565 \par
14566 \vskip 2em
14567 }%
14568 \renewcommand*\l@part[2]{%
14569   \ifnum \c@tocdepth >\m@ne\relax
14570     \addpenalty{\@secpenalty}%
14571     \addvspace{2.25em \@plus\p@}%
14572     \setlength{\@tempdima}{2em}%
14573     \if@tocleft
14574       \ifx\toc@l@number\@empty\else
14575         \setlength{\@tempdima}{0\toc@l@number}%
14576       \fi
14577     \fi
14578     \begingroup
14579     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

14580 \parfillskip -\@pnumwidth
14581 \leavevmode
14582 \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
14583 \hskip -\if@RTL\rightright\else\leftskip\fi
14584 {\usekomafont{partentry}{#1\nobreak
14585 \usekomafont{partentrypagenumber}{\hfil\nobreak
14586 \hb@xt@\@pnumwidth{\hss#2}}}\par
14587 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14588 \endgroup
14589 \penalty20010
14590 \else
14591 \if@compatibility
14592 \global\@nobreaktrue
14593 \everypar{\global\@nobreakfalse\everypar{}}%
14594 \else
14595 \penalty\@highpenalty
14596 \fi
14597 \endgroup
14598 \fi
14599 \fi
14600 }
14601 \renewcommand*\l@section[2]{%
14602 \ifnum \c@tocdepth >\z@
14603 \ifnum \lastpenalty<20009
14604 \addpenalty{\@secpenalty}%
14605 \fi
14606 \addvspace{1.0em \@plus\p@}%
14607 \setlength\@tempdima{1.5em}%
14608 \if@tocleft
14609 \ifx\toc@l@number\@empty\else
14610 \setlength\@tempdima{0\toc@l@number}%
14611 \fi
14612 \fi
14613 \begingroup
14614 \raggedsectionentry
14615 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14616 \parfillskip -\@pnumwidth
14617 \interlinepenalty\@M
14618 \leavevmode
14619 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
14620 {\usekomafont{sectionentry}{#1\nobreak
14621 \usekomafont{sectionentrypagenumber}{%
14622 \hfill\nobreak
14623 \hb@xt@\@pnumwidth{\hss#2}}}\par
14624 \endgroup
14625 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14626 \penalty20008
14627 \fi
14628 \fi
14629 }

```



```

14630 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
14631 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
14632 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
14633 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
14634 \renewcommand*{\thesubsubsection}{%
14635   \thesubsection\@SepMark\@arabic\c@subsubsection
14636 }
14637 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14638 \renewcommand*{\thesubparagraph}{%
14639   \theparagraph\@SepMark\@arabic\c@subparagraph
14640 }
14641 \renewenvironment{thebibliography}[1]{%
14642   \if@bib@break@
14643     \bib@beginhook
14644   \else
14645     \bib@heading
14646     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
14647       \noindent\bibpreamble\par\nobreak
14648     \fi\fi
14649     \bib@beginhook
14650     \bib@before@hook
14651   \fi
14652   \renewcommand{\BreakBibliography}[1]{%
14653     \@bib@break
14654     \end{thebibliography}%
14655     \begingroup ##1\endgroup
14656     \begin{thebibliography}{#1}
14657   }%
14658   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14659   \list{%
14660     \@biblabel{\@arabic\c@enumiv}%
14661   }{%
14662     \settowidth\labelwidth{\@biblabel{#1}}%
14663     \leftmargin\labelwidth
14664     \advance\leftmargin\labelsep
14665     \@openbib@code
14666     \if@bib@break@
14667       \edef\@tempa{%
14668         \noexpand\usecounter{enumiv}%
14669         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
14670       }\@tempa
14671       \no@bib@break
14672     \else
14673       \usecounter{enumiv}%
14674     \fi
14675     \let\p@enumiv\@empty
14676     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
14677   }%
14678   \sloppy\clubpenalty4000 \widowpenalty4000
14679   \sfcode`\.\=@m

```



```

14680 }{%
14681   \if@bib@break@
14682     \def\@noitemerr{%
14683       \@latex@warning{%
14684         \string\BreakBibliography\space at begin of `thebibliography'
14685         environment\MessageBreak
14686         or following \string\BreakBibliography}%
14687       }%
14688     \else
14689       \def\@noitemerr{%
14690         \@latex@warning{%
14691           Empty `thebibliography' environment or
14692           \string\BreakBibliography\MessageBreak
14693           before end of `thebibliography' environment}%
14694         }%
14695       \fi
14696     \endlist
14697   \if@bib@break@
14698   \else
14699     \bib@after@hook
14700     \let\bib@before@hook\@empty
14701     \let\bib@after@hook\@empty
14702   \fi
14703   \bib@endhook
14704 }
14705 \renewcommand*\left@footnoterule{%
14706   \kern-3\p@
14707   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14708   \hrule\@width.4\columnwidth
14709   \kern 2.6\p@}
14710 \renewcommand*\right@footnoterule{%
14711   \kern-3\p@
14712   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14713   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14714   \kern2.6\p@}
14715 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
14716 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
14717 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
14718 \renewcommand\marginline[1]{%
14719   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
14720 }
14721 \renewcommand{\@makecaption}[3]{%
14722   \cap@margin
14723   \ifonelinecaptions
14724     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
14725     \let\scr@tmp@footnotetext=\@footnotetext
14726     \let\@footnotetext=\@gobble
14727     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
14728     \let\@LTRfootnotetext=\@gobble
14729     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext

```




```

14730 \let\@RTLfootnotetext=\@gobble
14731 \sbox\@tempboxa{%
14732   {\capfont{\strut\ignorespaces
14733     #1{\caplabelfont{#2\captionformat}}}%
14734     #3\unskip\strut}}%
14735 }%
14736 \let\@footnotetext=\scr@tmp@footnotetext
14737 \let\scr@tmp@footnotetext=\undefined
14738 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
14739 \let\scr@tmp@LTRfootnotetext=\undefined
14740 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
14741 \let\scr@tmp@RTLfootnotetext=\undefined
14742 \setcounter{footnote}{\@tempcntb}%
14743 \setcounter{mpfootnote}{\@tempcnta}%
14744 \else
14745   \sbox\@tempboxa{\hspace*{2\cap@width}}%
14746 \fi
14747 \begingroup%
14748   \setlength{\@tempdima}{\cap@width}%
14749   \ifdim \wd\@tempboxa >\@tempdima
14750     \hb@xt@\hsize{%
14751       \setbox\@tempboxa\vbox{\hsize=\cap@width
14752         \ifdofullc@p
14753           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
14754             #1{\caplabelfont{#2\captionformat}}}}}%
14755             {\#3\unskip\strut\par}}}%
14756         \else%
14757           \ifdim\cap@indent<\z@
14758             {\capfont{\strut\ignorespaces
14759               #1{\caplabelfont{#2\captionformat\par}}}%
14760               \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
14761             \else%
14762               \if@capbreak
14763                 {\capfont{\strut\ignorespaces
14764                   #1{\caplabelfont{#2\captionformat\par}}}%
14765                   \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
14766                 \else
14767                   {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
14768                     {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
14769                       {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
14770                     \fi
14771                 \fi
14772             \fi
14773         }%
14774         \setlength{\@tempdima}{\ht\@tempboxa}%
14775         \addtolength{\@tempdima}{\dp\@tempboxa}%
14776         \addtolength{\@tempdima}{-\ht\strutbox}%
14777         \ht\@tempboxa\ht\strutbox
14778         \dp\@tempboxa\@tempdima
14779         \strut\cap@left

```



```

14780         \box\@tempboxa
14781         \cap@right\strut
14782     }%
14783 \else
14784     \global \@minipagefalse
14785     \sbox\@tempboxa{%
14786         {\capfont{\scr@smashdp{\strut\ignorespaces
14787             #1{\caplabelfont{#2\captionformat}}}}}%
14788         #3}}%
14789     }%
14790     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap
14791     \fi
14792 \endgroup
14793 }
14794 \renewcommand{\@makecaption}[2]{%
14795     \if@captionabove
14796         \vskip\belowcaptionskip
14797     \else
14798         \vskip\abovecaptionskip
14799     \fi
14800     \@makecaption\@firstofone{#1}{#2}%
14801     \if@captionabove
14802         \vskip\abovecaptionskip
14803     \else
14804         \vskip\belowcaptionskip
14805     \fi
14806 }
14807 \bidi@AfterFile{longtable-xetex-bidi.def}{%
14808     \ifpackageloaded{caption2}{\@komalongtablefalse
14809         \scr@caption@before@longtable@warning{caption2}%
14810     }{}%
14811     \if@komalongtable
14812         \renewcommand{\LT@makecaption}[3]{%
14813             \noalign{%
14814                 \if@captionabove
14815                     \vskip\belowcaptionskip
14816                 \else
14817                     \vskip\abovecaptionskip
14818                 \fi
14819             }%
14820             \LT@mcol\LT@cols c{%
14821                 \hbox to\z@{\hss\parbox[t]{linewidth{%
14822                     \@makecaption{#1}{#2}{#3}%
14823                 }\endgraf
14824                 \if@captionabove
14825                     \vskip\abovecaptionskip
14826                 \else
14827                     \vskip\belowcaptionskip
14828                 \fi
14829             }%

```



```

14830         \hss
14831     }%
14832 }%
14833 }%
14834 \renewcommand*{\scr@LT@array}{}%
14835 \let\scr@LT@array=\LT@array
14836 \renewcommand*{\LT@array}{%
14837     \let\scr@caption=\LT@caption
14838     \def\captionabove{\noalign{\global\@captionabovetrue}%
14839         \scr@caption}%
14840     \def\captionbelow{\noalign{\global\@captionabovefalse}%
14841         \scr@caption}%
14842     \if@tablecaptionabove
14843         \let\LT@caption=\captionabove
14844     \else
14845         \let\LT@caption=\captionbelow
14846     \fi
14847     \scr@LT@array
14848 }%
14849 \ClassInfo{\KOMAClassName}{%
14850     longtable captions redefined%
14851 }%
14852 \fi
14853 }

```

7.99 scrbook-xetex-bidi.def

```

14854 \ProvidesFile{scrbook-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrbook class for XeT
14855 \newcommand{\scr@saved@LTRfootnotetext}{}
14856 \newcommand{\scr@saved@RTLfootnotetext}{}
14857 \let\scr@saved@footnotetext\@footnotetext
14858 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14859 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14860 \renewcommand{\@footnotetext}[1]{%
14861     \scr@saved@footnotetext{#1}%
14862     \csname FN@mfp@prepare\endcsname
14863 }
14864 \renewcommand{\@LTRfootnotetext}[1]{%
14865     \scr@saved@LTRfootnotetext{#1}%
14866     \csname FN@mfp@prepare\endcsname
14867 }
14868 \renewcommand{\@RTLfootnotetext}[1]{%
14869     \scr@saved@RTLfootnotetext{#1}%
14870     \csname FN@mfp@prepare\endcsname
14871 }
14872 \renewcommand\deffootnote[4][1]{%
14873     \long\def\@makefntext##1{%
14874         \setlength{\@tempdimc}{#3}%
14875         \def\@tempa{#1}\ifx\@tempa\@empty
14876             \setpar{\@par

```



```

14877      \@tempdima = \hsize
14878      \addtolength{\@tempdima}{-#2}%
14879      \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14880    \else
14881      \addtolength{\@tempdimc}{#2}%
14882      \addtolength{\@tempdimc}{-#1}%
14883      \setpar{\@par
14884        \@tempdima = \hsize
14885        \addtolength{\@tempdima}{-#1}%
14886        \@tempdimb = \hsize
14887        \addtolength{\@tempdimb}{-#2}%
14888        \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
14889      }%
14890    \fi
14891    \par
14892    \parindent\@tempdimc\noindent
14893    \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14894  }%
14895  \def\@makefnmark{\hbox{\ftn@font{#4}}}%
14896 }
14897 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14898 \renewcommand*\left@footnoterule{%
14899   \normalsize\ftn@rule@test@values
14900   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14901   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14902   {\usekomafont{footnoterule}{%
14903     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14904   \kern 2.6\p@}
14905 \renewcommand*\right@footnoterule{%
14906   \normalsize\ftn@rule@test@values
14907   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14908   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14909   {\usekomafont{footnoterule}{%
14910     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
14911     \kern 2.6\p@}
14912 \renewcommand*\maketitle[1][1]{%
14913   \if@titlepage
14914     \begin{titlepage}
14915       \setcounter{page}{%
14916         #1%
14917       }%
14918       \let\footnotesize\small
14919       \let\right@footnoterule\relax
14920       \let\left@footnoterule\relax
14921       \let\textwidth@footnoterule\relax
14922       \let\footnote\thanks
14923       \let\LTRfootnote\LTRthanks
14924       \let\RTLfootnote\RTLthanks
14925       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14926       \let\@oldmakefnmark\@makefnmark

```



```

14927 \renewcommand*{\@makefnmark}{\rlap{\oldmakefnmark}}%
14928 \ifx\@extratitle\@empty \else
14929 \noindent\@extratitle\next@tpage\cleardoubleemptypage
14930 \thispagestyle{empty}%
14931 \fi
14932 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14933 \ifx\@titlehead\@empty \else
14934 \begin{minipage}[t]{\textwidth}%
14935 \@titlehead
14936 \end{minipage}\par
14937 \fi
14938 \null\vfill
14939 \begin{center}
14940 \ifx\@subject\@empty \else
14941 {\subject@font \@subject \par}%
14942 \vskip 3em
14943 \fi
14944 {\titlefont\huge \@title\par}%
14945 \vskip 1em
14946 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14947 \vskip 2em
14948 {\Large \lineskip 0.75em
14949 \begin{tabular}[t]{c}
14950 \@author
14951 \end{tabular}\par
14952 }%
14953 \vskip 1.5em
14954 {\Large \@date \par}%
14955 \vskip \z@ \@plus3fill
14956 {\Large \@publishers \par}%
14957 \vskip 3em
14958 \end{center}\par
14959 \@thanks
14960 \vfill\null
14961 \if@twoside\next@tpage
14962 \begin{minipage}[t]{\textwidth}
14963 \@uppertitleback
14964 \end{minipage}\par
14965 \vfill
14966 \begin{minipage}[b]{\textwidth}
14967 \@lowertitleback
14968 \end{minipage}
14969 \fi
14970 \ifx\@dedication\@empty \else
14971 \next@tpage\null\vfill
14972 {\centering \Large \@dedication \par}%
14973 \vskip \z@ \@plus3fill
14974 \if@twoside \next@tpage\cleardoubleemptypage \fi
14975 \fi
14976 \end{titlepage}

```



```

14977 \else
14978   \par
14979   \@tempcnta=%
14980   #1%
14981   \relax\ifnum\@tempcnta=1\else
14982     \ClassWarning{\KOMAClassName}{%
14983       Optional argument of \string\maketitle\space ignored
14984       at\MessageBreak
14985       notitlepage-mode%
14986     }%
14987   \fi
14988   \begingroup
14989     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14990     \let\@oldmakefnmark\@makefnmark
14991     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
14992     \if@twocolumn
14993       \ifnum \col@number=\@ne
14994         \@maketitle
14995       \else
14996         \twocolumn[\@maketitle]%
14997       \fi
14998     \else
14999       \newpage
15000       \global\@topnum\z@
15001       \@maketitle
15002     \fi
15003     \thispagestyle{\titlepagestyle}\@thanks
15004   \endgroup
15005 \fi
15006 \setcounter{footnote}{0}%
15007 \let\thanks\relax
15008 \let\LTRthanks\relax
15009 \let\RTLthanks\relax
15010 \let\maketitle\relax
15011 \let\@maketitle\relax
15012 \global\let\@thanks\@empty
15013 \global\let\@author\@empty
15014 \global\let\@date\@empty
15015 \global\let\@title\@empty
15016 \global\let\@subtitle\@empty
15017 \global\let\@extratitle\@empty
15018 \global\let\@titlehead\@empty
15019 \global\let\@subject\@empty
15020 \global\let\@publishers\@empty
15021 \global\let\@uppertitleback\@empty
15022 \global\let\@lowertitleback\@empty
15023 \global\let\@dedication\@empty
15024 \global\let\author\relax
15025 \global\let\title\relax
15026 \global\let\extratitle\relax

```



```

15027 \global\let\titlehead\relax
15028 \global\let\subject\relax
15029 \global\let\publishers\relax
15030 \global\let\uppertitleback\relax
15031 \global\let\lowertitleback\relax
15032 \global\let\dedication\relax
15033 \global\let\date\relax
15034 \global\let\and\relax
15035 }%
15036 \renewcommand*{\@maketitle}{%
15037 \clearpage
15038 \let\footnote\thanks
15039 \let\LTRfootnote\LTRthanks
15040 \let\RTLfootnote\RTLthanks
15041 \ifx\@extratitle\@empty \else
15042 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15043 \fi
15044 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15045 \ifx\@titlehead\@empty \else
15046 \begin{minipage}[t]{\textwidth}
15047 \@titlehead
15048 \end{minipage}\par
15049 \fi
15050 \null
15051 \vskip 2em%
15052 \begin{center}%
15053 \ifx\@subject\@empty \else
15054 {\subject@font \@subject \par}
15055 \vskip 1.5em
15056 \fi
15057 {\titlefont\huge \@title \par}%
15058 \vskip .5em
15059 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15060 \vskip 1em
15061 {\Large
15062 \lineskip .5em%
15063 \begin{tabular}[t]{c}
15064 \@author
15065 \end{tabular}\par
15066 }%
15067 \vskip 1em%
15068 {\Large \@date \par}%
15069 \vskip \z@ \@plus 1em
15070 {\Large \@publishers \par}
15071 \ifx\@dedication\@empty \else
15072 \vskip 2em
15073 {\Large \@dedication \par}
15074 \fi
15075 \end{center}%
15076 \par

```



```

15077 \vskip 2em
15078 }%
15079 \renewcommand*\l@part[2]{%
15080 \ifnum \c@tocdepth >-2\relax
15081 \addpenalty{-\@highpenalty}%
15082 \addvspace{2.25em \@plus\p@}%
15083 \setlength{\@tempdima}{2em}%
15084 \if@tocleft
15085 \ifx\toc@l@number\@empty\else
15086 \setlength\@tempdima{0\toc@l@number}%
15087 \fi
15088 \fi
15089 \begingroup
15090 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15091 \parfillskip -\@pnumwidth
15092 \leavevmode
15093 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15094 \hskip -\if@RTL\rightskip\else\leftskip\fi
15095 {\usekomafont{partentry}{#1\nobreak
15096 \usekomafont{partentrypagenumber}{\hfil\nobreak
15097 \hb@xt@\@pnumwidth{\hss#2}}}\par
15098 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15099 \endgroup
15100 \penalty20010
15101 \else
15102 \penalty\@highpenalty
15103 \endgroup
15104 \fi
15105 \fi
15106 }\renewcommand*\l@part[2]{%
15107 \ifnum \c@tocdepth >-2\relax
15108 \addpenalty{-\@highpenalty}%
15109 \addvspace{2.25em \@plus\p@}%
15110 \setlength{\@tempdima}{2em}%
15111 \if@tocleft
15112 \ifx\toc@l@number\@empty\else
15113 \setlength\@tempdima{0\toc@l@number}%
15114 \fi
15115 \fi
15116 \begingroup
15117 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15118 \parfillskip -\@pnumwidth
15119 \leavevmode
15120 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15121 \hskip -\if@RTL\rightskip\else\leftskip\fi
15122 {\usekomafont{partentry}{#1\nobreak
15123 \usekomafont{partentrypagenumber}{\hfil\nobreak
15124 \hb@xt@\@pnumwidth{\hss#2}}}\par
15125 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15126 \endgroup

```




```

15127     \penalty20010
15128     \else
15129         \penalty\@highpenalty
15130     \endgroup
15131 \fi
15132 \fi
15133 }
15134 \renewcommand*\l@chapter[2]{%
15135     \ifnum \c@tocdepth >\m@ne
15136         \ifnum \lastpenalty<20010
15137             \addpenalty{-\@highpenalty}%
15138         \fi
15139         \vskip 1.0em \@plus\p@
15140         \setlength\@tempdima{1.5em}%
15141         \if@tocleft
15142             \ifx\toc@l@number\@empty\else
15143                 \setlength\@tempdima{0\toc@l@number}%
15144             \fi
15145         \fi
15146         \begingroup
15147             \raggedchapterentry
15148         \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15149         \parfillskip -\@pnumwidth
15150         \interlinepenalty\@M
15151         \leavevmode
15152         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
15153         {\usekomafont{chapterentry}{#1\nobreak
15154             \usekomafont{chapterentrypagenumber}{%
15155                 \hfill\nobreak
15156                 \hb@xt@\@pnumwidth{\hss#2}}}\par
15157         \ifnum \scr@compatibility>\@nameuse{scr@v02.96}\relax
15158         \endgroup
15159         \penalty20009
15160     \else
15161         \penalty\@highpenalty
15162     \endgroup
15163 \fi
15164 \fi
15165 }
15166 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15167 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15168 \renewcommand*\thesection{%
15169     \ifnum \scr@compatibility>\@nameuse{scr@v02.97d}\relax
15170     \if@mainmatter\thechapter\@SepMark\fi
15171 \else
15172     \thechapter\@SepMark%
15173 \fi
15174 \@arabic\c@section
15175 }
15176 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}

```



```

15177 \renewcommand*{\thesubsubsection}{%
15178   \thesubsection\@SepMark\@arabic\c@subsubsection
15179 }
15180 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15181 \renewcommand*{\thesubparagraph}{%
15182   \theparagraph\@SepMark\@arabic\c@subparagraph
15183 }
15184 \renewcommand*\thefigure{%
15185   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15186     \if@mainmatter\thechapter\@SepMark\fi
15187   \else
15188     \thechapter\@SepMark%
15189   \fi
15190   \@arabic\c@figure
15191 }
15192 \renewcommand*\thetable{%
15193   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15194     \if@mainmatter\thechapter\@SepMark\fi
15195   \else
15196     \thechapter\@SepMark%
15197   \fi
15198   \@arabic\c@table
15199 }
15200 \renewcommand*\theequation{%
15201   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15202     \if@mainmatter\thechapter\@SepMark\fi
15203   \else
15204     \thechapter\@SepMark%
15205   \fi
15206   \@arabic\c@equation
15207 }
15208 \renewenvironment{thebibliography}[1]{%
15209   \if@bib@break@
15210     \bib@beginhook
15211   \else
15212     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15213       \setchapterpreamble{\bibpreamble}%
15214     \fi\fi
15215     \bib@heading
15216     \bib@beginhook
15217     \bib@before@hook
15218   \fi
15219   \renewcommand{\BreakBibliography}[1]{%
15220     \@bib@break
15221     \end{thebibliography}%
15222     \begingroup ##1\endgroup
15223     \begin{thebibliography}{#1}
15224   }%
15225   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15226   \list{%

```



```

15227 \biblabel{\@arabic\c@enumiv}%
15228 }{%
15229 \settowidth\labelwidth{\@biblabel{#1}}%
15230 \leftmargin\labelwidth
15231 \advance\leftmargin\labelsep
15232 \@openbib@code
15233 \if@bib@break@
15234 \edef\@tempa{%
15235 \noexpand\usecounter{enumiv}%
15236 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15237 }\@tempa
15238 \no@bib@break
15239 \else
15240 \usecounter{enumiv}%
15241 \fi
15242 \let\p@enumiv\@empty
15243 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15244 }%
15245 \sloppy\clubpenalty4000 \widowpenalty4000
15246 \sfcode`\.=\@m
15247 }{%
15248 \if@bib@break@
15249 \def\@noitemerr{%
15250 \@latex@warning{%
15251 \string\BreakBibliography\space at begin of `thebibliography'
15252 environment\MessageBreak
15253 or following \string\BreakBibliography}%
15254 }%
15255 \else
15256 \def\@noitemerr{%
15257 \@latex@warning{%
15258 Empty `thebibliography' environment or
15259 \string\BreakBibliography\MessageBreak
15260 before end of `thebibliography' environment}%
15261 }%
15262 \fi
15263 \endlist
15264 \if@bib@break@
15265 \else
15266 \bib@after@hook
15267 \let\bib@before@hook\@empty
15268 \let\bib@after@hook\@empty
15269 \fi
15270 \bib@endhook
15271 }
15272 \renewcommand*\left@footnoterule{%
15273 \kern-3\p@
15274 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15275 \hrule\@width.4\columnwidth
15276 \kern 2.6\p@}

```



```

15277 \renewcommand*\right@footnoterule{%
15278   \kern-3\p@
15279   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15280   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15281   \kern2.6\p@}
15282 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15283 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15284 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15285 \renewcommand\marginline[1]{%
15286   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15287 }
15288 \renewcommand{\@@makecaption}[3]{%
15289   \cap@margin
15290   \ifonelinecaptions
15291     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15292     \let\scr@tmp@footnotetext=\@footnotetext
15293     \let\@footnotetext=\@gobble
15294     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15295     \let\@LTRfootnotetext=\@gobble
15296     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15297     \let\@RTLfootnotetext=\@gobble
15298     \sbox\@tempboxa{%
15299       {\capfont{\strut\ignorespaces
15300         #1{\caplabelfont{#2\captionformat}}}%
15301         #3\unskip\strut}}%
15302     }%
15303     \let\@footnotetext=\scr@tmp@footnotetext
15304     \let\scr@tmp@footnotetext=\undefined
15305     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15306     \let\scr@tmp@LTRfootnotetext=\undefined
15307     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15308     \let\scr@tmp@RTLfootnotetext=\undefined
15309     \setcounter{footnote}{\@tempcntb}%
15310     \setcounter{mpfootnote}{\@tempcnta}%
15311   \else
15312     \sbox\@tempboxa{\hspace*{2\cap@width}}%
15313   \fi
15314   \begingroup%
15315     \setlength{\@tempdima}{\cap@width}%
15316     \ifdim \wd\@tempboxa >\@tempdima
15317       \hb@xt@\hsize{%
15318         \setbox\@tempboxa\vbox{\hsize=\cap@width
15319           \ifdofullc@p
15320             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15321               #1{\caplabelfont{#2\captionformat}}}}}%
15322             {\#3\unskip\strut\par}}}%
15323         \else%
15324           \ifdim\cap@indent<\z@
15325             {\capfont{\strut\ignorespaces
15326               #1{\caplabelfont{#2\captionformat\par}}}%

```



```

15327         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
15328     \else%
15329         \if@capbreak
15330             {\capfont{\strut\ignorespaces
15331                 #1{\caplabelfont{#2\captionformat\par}}}%
15332                 \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15333         \else
15334             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
15335                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15336                 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
15337             \fi
15338         \fi
15339     \fi
15340 }%
15341 \setlength{\@tempdima}{\ht\@tempboxa}%
15342 \addtolength{\@tempdima}{\dp\@tempboxa}%
15343 \addtolength{\@tempdima}{-\ht\strutbox}%
15344 \ht\@tempboxa\ht\strutbox
15345 \dp\@tempboxa\@tempdima
15346 \strut\cap@left
15347 \box\@tempboxa
15348 \cap@right\strut
15349 }%
15350 \else
15351     \global \@minipagefalse
15352     \sbox\@tempboxa{%
15353         {\capfont{\scr@smashdp{\strut\ignorespaces
15354             #1{\caplabelfont{#2\captionformat}}}%
15355             #3}}%
15356     }%
15357     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
15358     \fi
15359 \endgroup
15360 }
15361 \renewcommand{\@makecaption}[2]{%
15362     \if@captionabove
15363         \vskip\belowcaptionskip
15364     \else
15365         \vskip\abovecaptionskip
15366     \fi
15367     \@makecaption\@firstofone{#1}{#2}%
15368     \if@captionabove
15369         \vskip\abovecaptionskip
15370     \else
15371         \vskip\belowcaptionskip
15372     \fi
15373 }
15374 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15375     \@ifpackageloaded{caption2}{\@komalongtablefalse
15376         \scr@caption@before@longtable@warning{caption2}%

```



```

15377 }{}%
15378 \if@komalongtable
15379   \renewcommand{\LT@makecaption}[3]{%
15380     \noalign{%
15381       \if@captionabove
15382         \vskip\belowcaptionskip
15383       \else
15384         \vskip\abovecaptionskip
15385       \fi
15386     }%
15387     \LT@mcol\LT@cols c{%
15388       \hbox to\z@{\hss\parbox[t]{linewidth{%
15389         \@makecaption{#1}{#2}{#3}%
15390       }\endgraf
15391       \if@captionabove
15392         \vskip\abovecaptionskip
15393       \else
15394         \vskip\belowcaptionskip
15395       \fi
15396     }%
15397     \hss
15398   }%
15399 }%
15400 }%
15401 \renewcommand*{\scr@LT@array}{}%
15402 \let\scr@LT@array=\LT@array
15403 \renewcommand*{\LT@array}{%
15404   \let\scr@caption=\LT@caption
15405   \def\captionabove{\noalign{\global\@captionabovetrue}%
15406     \scr@caption}%
15407   \def\captionbelow{\noalign{\global\@captionabovefalse}%
15408     \scr@caption}%
15409   \if@tablecaptionabove
15410     \let\LT@caption=\captionabove
15411   \else
15412     \let\LT@caption=\captionbelow
15413   \fi
15414   \scr@LT@array
15415 }%
15416 \ClassInfo{\KOMAClassName}{%
15417   longtable captions redefined%
15418 }%
15419 \fi
15420 }

```

7.100 scrlettr-xetex-bidi.def

```

15421 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for X
15422 \renewcommand\deffootnote[4][]{%
15423   \long\def\@makefntext##1{%

```



```

15424 \edef\@tempa{#1}\ifx\@tempa\@empty
15425 \setpar{\@par
15426 \@tempdima = \hsize
15427 \addtolength{\@tempdima}{-#2}
15428 \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15429 \else
15430 \setpar{\@par
15431 \@tempdima = \hsize
15432 \addtolength{\@tempdima}{-#1}
15433 \@tempdimb = \hsize
15434 \addtolength{\@tempdimb}{-#2}
15435 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15436 \fi
15437 \par
15438 \parindent #3\noindent
15439 \hbox to \z@{\hss\@makefnmark}##1}
15440 \def\@makefnmark{\hbox{#4}}
15441 }
15442 \def\footnote[1em]{1.5em}{1em}
15443 {\textsuperscript{\thefootnotemark}}
15444 \def\left@footnoterule{\kern-1\p@
15445 \hrule width 0.4\columnwidth
15446 \kern .6\p@}
15447 \def\right@footnoterule{%
15448 \kern-1\p@
15449 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15450 \kern .6\p@}
15451 \def\@datefield{\@reffalse
15452 \ifx\varyourref\@empty \else \@reftrue \fi
15453 \ifx\varyourmail\@empty \else \@reftrue \fi
15454 \ifx\varmyref\@empty \else \@reftrue \fi
15455 \ifx\varcustomer\@empty \else \@reftrue \fi
15456 \ifx\varinvoice\@empty \else \@reftrue \fi
15457 \ifx\varrefitemi\@empty \else \@reftrue \fi
15458 \ifx\varrefitemii\@empty \else \@reftrue \fi
15459 \ifx\varrefitemiii\@empty \else \@reftrue \fi
15460 \vskip -\parskip
15461 \vskip \refvskip
15462 \if@ref
15463 \ifx\varyourref\@empty \else
15464 \settowidth{\sc@temp}{\varyourref}
15465 \setbox0\hbox{\scriptsize \sf \yourrefname}
15466 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
15467 \parbox[t]{\sc@temp}{\noindent \box0\par \varyourref}\hfill
15468 \fi
15469 \ifx\varyourmail\@empty \else
15470 \settowidth{\sc@temp}{\varyourmail}
15471 \setbox0\hbox{\scriptsize \sf \yourmailname}
15472 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
15473 \parbox[t]{\sc@temp}{\noindent \box0\par \varyourmail}\hfill

```



```

15474 \fi
15475 \ifx\varmyref\@empty \else
15476 \settowidth{\sc@temp}{\varmyref}
15477 \setbox0\hbox{\scriptsize \sf \myrefname}
15478 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15479 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
15480 \fi
15481 \ifx\varcustomer\@empty \else
15482 \settowidth{\sc@temp}{\varcustomer}
15483 \setbox0\hbox{\scriptsize \sf \customername}
15484 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15485 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
15486 \fi
15487 \ifx\varinvoice\@empty \else
15488 \settowidth{\sc@temp}{\varinvoice}
15489 \setbox0\hbox{\scriptsize \sf \invoicename}
15490 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15491 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
15492 \fi
15493 \ifx\varrefitemi\@empty \else
15494 \settowidth{\sc@temp}{\varrefitemi}
15495 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
15496 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15497 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
15498 \fi
15499 \ifx\varrefitemii\@empty \else
15500 \settowidth{\sc@temp}{\varrefitemii}
15501 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
15502 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15503 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
15504 \fi
15505 \ifx\varrefitemiii\@empty \else
15506 \settowidth{\sc@temp}{\varrefitemiii}
15507 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
15508 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15509 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
15510 \fi
15511 \ifx\@date\@empty \else
15512 \settowidth{\sc@temp}{\@date}
15513 \setbox0\hbox{\scriptsize \sf \datename}
15514 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15515 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
15516 \fi
15517 \par
15518 \vspace{2.5\baselineskip}
15519 \else
15520 {\ifx\@date\@empty \else \ifRTLraggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
15521 \vspace{1.5\baselineskip}
15522 \fi}
15523 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}

```




```

15524 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
15525 -\sigindent \hspace{\sigindent}%
15526 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{\presig@ski
15527 \fromsig\strut}\par
15528 \vspace{1.5\baselineskip}}

```

7.101 scrreprt-xetex-bidi.def

```

15529 \ProvidesFile{scrreprt-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrreprt class for X
15530 \newcommand{\scr@saved@LTRfootnotetext}{}
15531 \newcommand{\scr@saved@RTLfootnotetext}{}
15532 \let\scr@saved@footnotetext\@footnotetext
15533 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15534 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15535 \renewcommand{\@footnotetext}[1]{%
15536   \scr@saved@footnotetext{#1}%
15537   \csname FN@mfb@prepare\endcsname
15538 }
15539 \renewcommand{\@LTRfootnotetext}[1]{%
15540   \scr@saved@LTRfootnotetext{#1}%
15541   \csname FN@mfb@prepare\endcsname
15542 }
15543 \renewcommand{\@RTLfootnotetext}[1]{%
15544   \scr@saved@RTLfootnotetext{#1}%
15545   \csname FN@mfb@prepare\endcsname
15546 }
15547 \renewcommand\deffootnote[4][ ]{%
15548   \long\def\@makefnmark##1{%
15549     \setlength{\@tempdimc}{#3}%
15550     \def\@tempa{#1}\ifx\@tempa\@empty
15551       \setpar{\@par
15552         \@tempdima = \hspace
15553         \addtolength{\@tempdima}{-#2}%
15554         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15555       \else
15556         \addtolength{\@tempdimc}{#2}%
15557         \addtolength{\@tempdimc}{-#1}%
15558         \setpar{\@par
15559           \@tempdima = \hspace
15560           \addtolength{\@tempdima}{-#1}%
15561           \@tempdimb = \hspace
15562           \addtolength{\@tempdimb}{-#2}%
15563           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15564         }%
15565       \fi
15566       \par
15567       \parindent\@tempdimc\noindent
15568       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15569     }%
15570     \def\@makefnmark{\hbox{\ftn@font{#4}}}%

```



```

15571 }
15572 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15573 \renewcommand*\left@footnoterule{%
15574   \normalsize\ftn@rule@test@values
15575   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15576   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15577   {\usekomafont{footnoterule}{%
15578     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15579   \kern 2.6\p@}
15580 \renewcommand*\right@footnoterule{%
15581   \normalsize\ftn@rule@test@values
15582   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15583   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15584   {\usekomafont{footnoterule}{%
15585     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15586     \kern 2.6\p@}
15587 \renewcommand*\maketitle[1][1]{%
15588   \if@titlepage
15589     \begin{titlepage}
15590       \setcounter{page}{%
15591         #1%
15592       }%
15593       \let\footnotesize\small
15594       \let\right@footnoterule\relax
15595       \let\left@footnoterule\relax
15596       \let\textwidth@footnoterule\relax
15597       \let\footnote\thanks
15598       \let\LTRfootnote\LTRthanks
15599       \let\RTLfootnote\RTLthanks
15600       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15601       \let\@oldmakefnmark\@makefnmark
15602       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15603       \ifx\@extratitle\@empty \else
15604         \noindent\@extratitle\next@tpage\cleardoubleemptypage
15605         \thispagestyle{empty}%
15606       \fi
15607       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15608       \ifx\@titlehead\@empty \else
15609         \begin{minipage}[t]{\textwidth}%
15610           \@titlehead
15611         \end{minipage}\par
15612       \fi
15613       \null\vfill
15614       \begin{center}
15615         \ifx\@subject\@empty \else
15616           {\subject@font \@subject \par}%
15617         \vskip 3em
15618       \fi
15619       {\titlefont\huge \@title\par}%
15620       \vskip 1em

```



```

15621 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15622 \vskip 2em
15623 {\Large \lineskip 0.75em
15624 \begin{tabular}[t]{c}
15625 \@author
15626 \end{tabular}\par
15627 }%
15628 \vskip 1.5em
15629 {\Large \@date \par}%
15630 \vskip \z@ \@plus3fill
15631 {\Large \@publishers \par}%
15632 \vskip 3em
15633 \end{center}\par
15634 \@thanks
15635 \vfill\null
15636 \if@twoside\next@tpage
15637 \begin{minipage}[t]{\textwidth}
15638 \@uppertitleback
15639 \end{minipage}\par
15640 \vfill
15641 \begin{minipage}[b]{\textwidth}
15642 \@lowertitleback
15643 \end{minipage}
15644 \fi
15645 \ifx\@dedication\@empty \else
15646 \next@tpage\null\vfill
15647 {\centering \Large \@dedication \par}%
15648 \vskip \z@ \@plus3fill
15649 \if@twoside \next@tpage\cleardoubleemptypage \fi
15650 \fi
15651 \end{titlepage}
15652 \else
15653 \par
15654 \@tempcnta=%
15655 #1%
15656 \relax\ifnum\@tempcnta=1\else
15657 \ClassWarning{\KOMAClassName}{%
15658 Optional argument of \string\maketitle\space ignored
15659 at\MessageBreak
15660 notitlepage-mode%
15661 }%
15662 \fi
15663 \begingroup
15664 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15665 \let\@oldmakefnmark\@makefnmark
15666 \renewcommand*\@makefnmark{\rlap{\@oldmakefnmark}}
15667 \if@twocolumn
15668 \ifnum \col@number=\@ne
15669 \maketitle
15670 \else

```



```

15671         \twocolumn[\@maketitle]%
15672     \fi
15673     \else
15674         \newpage
15675         \global\@topnum\z@
15676         \@maketitle
15677     \fi
15678     \thispagestyle{\titlepagestyle}\@thanks
15679 \endgroup
15680 \fi
15681 \setcounter{footnote}{0}%
15682 \let\thanks\relax
15683 \let\LTRthanks\relax
15684 \let\RTLthanks\relax
15685 \let\maketitle\relax
15686 \let\@maketitle\relax
15687 \global\let\@thanks\@empty
15688 \global\let\@author\@empty
15689 \global\let\@date\@empty
15690 \global\let\@title\@empty
15691 \global\let\@subtitle\@empty
15692 \global\let\@extratitle\@empty
15693 \global\let\@titlehead\@empty
15694 \global\let\@subject\@empty
15695 \global\let\@publishers\@empty
15696 \global\let\@uppertitleback\@empty
15697 \global\let\@lowertitleback\@empty
15698 \global\let\@dedication\@empty
15699 \global\let\author\relax
15700 \global\let\title\relax
15701 \global\let\extratitle\relax
15702 \global\let\titlehead\relax
15703 \global\let\subject\relax
15704 \global\let\publishers\relax
15705 \global\let\uppertitleback\relax
15706 \global\let\lowertitleback\relax
15707 \global\let\dedication\relax
15708 \global\let\date\relax
15709 \global\let\and\relax
15710 }%
15711 \renewcommand*{\@maketitle}{%
15712     \clearpage
15713     \let\footnote\thanks
15714     \let\LTRfootnote\LTRthanks
15715     \let\RTLfootnote\RTLthanks
15716     \ifx\@extratitle\@empty \else
15717         \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15718     \fi
15719     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15720     \ifx\@titlehead\@empty \else

```



```

15721 \begin{minipage}[t]{\textwidth}
15722 \@titlehead
15723 \end{minipage}\par
15724 \fi
15725 \null
15726 \vskip 2em%
15727 \begin{center}%
15728 \ifx\@subject\@empty \else
15729 {\subject@font \@subject \par}
15730 \vskip 1.5em
15731 \fi
15732 {\titlefont\huge \@title \par}%
15733 \vskip .5em
15734 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15735 \vskip 1em
15736 {\Large
15737 \lineskip .5em%
15738 \begin{tabular}[t]{c}
15739 \@author
15740 \end{tabular}\par
15741 }%
15742 \vskip 1em%
15743 {\Large \@date \par}%
15744 \vskip \z@ \@plus 1em
15745 {\Large \@publishers \par}
15746 \ifx\@dedication\@empty \else
15747 \vskip 2em
15748 {\Large \@dedication \par}
15749 \fi
15750 \end{center}%
15751 \par
15752 \vskip 2em
15753 }%
15754 \renewcommand*\l@part[2]{%
15755 \ifnum \c@tocdepth >-2\relax
15756 \addpenalty{-\@highpenalty}%
15757 \addvspace{2.25em \@plus\p@}%
15758 \setlength{\@tempdima}{2em}%
15759 \if@tocleft
15760 \ifx\toc@l@number\@empty\else
15761 \setlength{\@tempdima}{0\toc@l@number}%
15762 \fi
15763 \fi
15764 \begingroup
15765 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15766 \parfillskip -\@pnumwidth
15767 \leavevmode
15768 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15769 \hskip -\if@RTL\rightskip\else\leftskip\fi
15770 {\usekomafont{partentry}{#1\nobreak

```



```

15771         \usekomafont{partentrypagenumber}{\hfil\nobreak
15772         \hb@xt@{\@pnumwidth{\hss#2}}}{\par
15773         \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15774         \endgroup
15775         \penalty20010
15776         \else
15777         \penalty\@highpenalty
15778         \endgroup
15779     \fi
15780 \fi
15781 }
15782 \renewcommand*\l@chapter[2]{%
15783 \ifnum \c@tocdepth >\m@ne
15784 \ifnum \lastpenalty<20010
15785 \addpenalty{-\@highpenalty}%
15786 \fi
15787 \vskip 1.0em \@plus\p@
15788 \setlength\@tempdima{1.5em}%
15789 \if@tocleft
15790 \ifx\toc@l@number\@empty\else
15791 \setlength\@tempdima{0\toc@l@number}%
15792 \fi
15793 \fi
15794 \begingroup
15795 \raggedchapterentry
15796 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15797 \parfillskip -\@pnumwidth
15798 \interlinepenalty\@M
15799 \leavevmode
15800 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
15801 {\usekomafont{chapterentry}{#1\nobreak
15802 \usekomafont{chapterentrypagenumber}{%
15803 \hfil\nobreak
15804 \hb@xt@{\@pnumwidth{\hss#2}}}{\par
15805 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15806 \endgroup
15807 \penalty20009
15808 \else
15809 \penalty\@highpenalty
15810 \endgroup
15811 \fi
15812 \fi
15813 }
15814 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15815 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15816 \renewcommand*\thesection{%
15817 \thechapter\@SepMark%
15818 \@arabic\c@section
15819 }
15820 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}

```



```

15821 \renewcommand*{\thesubsubsection}{%
15822   \thesubsection\@SepMark\@arabic\c@subsubsection
15823 }
15824 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15825 \renewcommand*{\thesubparagraph}{%
15826   \theparagraph\@SepMark\@arabic\c@subparagraph
15827 }
15828 \renewcommand*\thefigure{%
15829   \thechapter\@SepMark%
15830   \@arabic\c@figure
15831 }
15832 \renewcommand*\thetable{%
15833   \thechapter\@SepMark%
15834   \@arabic\c@table
15835 }
15836 \renewcommand*\theequation{%
15837   \thechapter\@SepMark%
15838   \@arabic\c@equation
15839 }
15840 \renewenvironment{thebibliography}[1]{%
15841   \if@bib@break@
15842     \bib@beginhook
15843   \else
15844     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15845       \setchapterpreamble{\bibpreamble}%
15846     \fi\fi
15847     \bib@heading
15848     \bib@beginhook
15849     \bib@before@hook
15850   \fi
15851   \renewcommand{\BreakBibliography}[1]{%
15852     \@bib@break
15853     \end{thebibliography}%
15854     \begingroup ##1\endgroup
15855     \begin{thebibliography}{#1}
15856   }%
15857   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15858   \list{%
15859     \@biblabel{\@arabic\c@enumiv}%
15860   }{%
15861     \settowidth\labelwidth{\@biblabel{#1}}%
15862     \leftmargin\labelwidth
15863     \advance\leftmargin\labelsep
15864     \@openbib@code
15865     \if@bib@break@
15866       \edef\@tempa{%
15867         \noexpand\usecounter{enumiv}%
15868         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15869       }\@tempa
15870     \no@bib@break

```



```

15871 \else
15872 \usecounter{enumiv}%
15873 \fi
15874 \let\p@enumiv\@empty
15875 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15876 }%
15877 \sloppy\clubpenalty4000 \widowpenalty4000
15878 \sfcode`\.=\@m
15879 }{%
15880 \if@bib@break@
15881 \def\@noitemerr{%
15882 \latex@warning{%
15883 \string\BreakBibliography\space at begin of `thebibliography'
15884 environment\MessageBreak
15885 or following \string\BreakBibliography}%
15886 }%
15887 \else
15888 \def\@noitemerr{%
15889 \latex@warning{%
15890 Empty `thebibliography' environment or
15891 \string\BreakBibliography\MessageBreak
15892 before end of `thebibliography' environment}%
15893 }%
15894 \fi
15895 \endlist
15896 \if@bib@break@
15897 \else
15898 \bib@after@hook
15899 \let\bib@before@hook\@empty
15900 \let\bib@after@hook\@empty
15901 \fi
15902 \bib@endhook
15903 }
15904 \renewcommand*\left@footnoterule{%
15905 \kern-3\p@
15906 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15907 \hrule\@width.4\columnwidth
15908 \kern 2.6\p@}
15909 \renewcommand*\right@footnoterule{%
15910 \kern-3\p@
15911 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15912 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15913 \kern2.6\p@}
15914 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
15915 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
15916 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
15917 \renewcommand\marginline[1]{%
15918 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15919 }
15920 \renewcommand{\@makecaption}[3]{%

```




```

15921 \cap@margin
15922 \ifonelinecaptions
15923   \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15924   \let\scr@tmp@footnotetext=\@footnotetext
15925   \let\@footnotetext=\@gobble
15926   \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15927   \let\@LTRfootnotetext=\@gobble
15928   \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15929   \let\@RTLfootnotetext=\@gobble
15930   \sbox\@tempboxa{%
15931     {\capfont{\strut\ignorespaces
15932       #1{\caplabelfont{#2\captionformat}}}%
15933       #3\unskip\strut}}%
15934   }%
15935   \let\@footnotetext=\scr@tmp@footnotetext
15936   \let\scr@tmp@footnotetext=\undefined
15937   \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15938   \let\scr@tmp@LTRfootnotetext=\undefined
15939   \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15940   \let\scr@tmp@RTLfootnotetext=\undefined
15941   \setcounter{footnote}{\@tempcntb}%
15942   \setcounter{mpfootnote}{\@tempcnta}%
15943 \else
15944   \sbox\@tempboxa{\hspace*{2\cap@width}}%
15945 \fi
15946 \begingroup%
15947   \setlength{\@tempdima}{\cap@width}%
15948   \ifdim \wd\@tempboxa >\@tempdima
15949     \hb@xt@\hsize{%
15950       \setbox\@tempboxa\vbox{\hsize=\cap@width
15951         \ifdofullc@p
15952           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15953             #1{\caplabelfont{#2\captionformat}}}}}%
15954             #3\unskip\strut\par}}}%
15955         \else%
15956           \ifdim\cap@indent<\z@
15957             {\capfont{\strut\ignorespaces
15958               #1{\caplabelfont{#2\captionformat\par}}}%
15959               \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
15960             \else%
15961               \if@capbreak
15962                 {\capfont{\strut\ignorespaces
15963                   #1{\caplabelfont{#2\captionformat\par}}}%
15964                   \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
15965                 \else
15966                   {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
15967                     {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15968                       {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
15969                   \fi
15970                 \fi

```



```

15971         \fi
15972     }%
15973     \setlength{\@tempdima}{\ht\@tempboxa}%
15974     \addtolength{\@tempdima}{\dp\@tempboxa}%
15975     \addtolength{\@tempdima}{-\ht\strutbox}%
15976     \ht\@tempboxa\ht\strutbox
15977     \dp\@tempboxa\@tempdima
15978     \strut\cap@left
15979     \box\@tempboxa
15980     \cap@right\strut
15981 }%
15982 \else
15983     \global \@minipagefalse
15984     \sbox\@tempboxa{%
15985         {\capfont{\scr@smashdp{\strut\ignorespaces
15986             #1{\caplabelfont{#2\captionformat}}}}}%
15987         #3}}%
15988     }%
15989     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15990     \fi
15991 \endgroup
15992 }
15993 \renewcommand{\@makecaption}[2]{%
15994     \if@captionabove
15995         \vskip\belowcaptionskip
15996     \else
15997         \vskip\abovecaptionskip
15998     \fi
15999     \@makecaption\@firstofone{#1}{#2}%
16000     \if@captionabove
16001         \vskip\abovecaptionskip
16002     \else
16003         \vskip\belowcaptionskip
16004     \fi
16005 }
16006 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16007     \@ifpackageloaded{caption2}{\@komalongtablefalse
16008         \scr@caption@before@longtable@warning{caption2}%
16009     }{}%
16010     \if@komalongtable
16011         \renewcommand{\LT@makecaption}[3]{%
16012             \noalign{%
16013                 \if@captionabove
16014                     \vskip\belowcaptionskip
16015                 \else
16016                     \vskip\abovecaptionskip
16017                 \fi
16018             }%
16019             \LT@mcol\LT@cols c{%
16020                 \hbox to\z@{\hss\parbox[t]{linewidth{%

```



```

16021         \@makecaption{#1}{#2}{#3}%
16022         \endgraf
16023         \if@captionabove
16024             \vskip\abovecaptionskip
16025         \else
16026             \vskip\belowcaptionskip
16027         \fi
16028     }%
16029     \hss
16030 }%
16031 }%
16032 }%
16033 \renewcommand*{\scr@LT@array}{}%
16034 \let\scr@LT@array=\LT@array
16035 \renewcommand*{\LT@array}{%
16036     \let\scr@caption=\LT@caption
16037     \def\captionabove{\noalign{\global\@captionabovetrue}%
16038         \scr@caption}%
16039     \def\captionbelow{\noalign{\global\@captionabovefalse}%
16040         \scr@caption}%
16041     \if@tablecaptionabove
16042         \let\LT@caption=\captionabove
16043     \else
16044         \let\LT@caption=\captionbelow
16045     \fi
16046     \scr@LT@array
16047 }%
16048 \ClassInfo{\KOMAClassName}{%
16049     longtable captions redefined%
16050 }%
16051 \fi
16052 }

```

7.102 sidecap-xetex-bidi.def

```

16053 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
16054 \renewcommand*{\SC@FLOAT}[2]{\ifRTL%
16055     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}\else%
16056     \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}\fi}
16057 \renewcommand*{\SC@justify@caption}{\ifRTL%
16058     \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
16059     \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.103 soul-xetex-bidi.def

```

16060 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
16061 \long\def\SOUL@start#1{%
16062     \let\ bidi@RTL@everypar\@empty
16063     \let\<\SOUL@lowerthan
16064     \let\>\empty
16065     \def\soulomit{\noexpand\soulomit}%

```



```

16066 \gdef\SOUL@eventuallyexhyphen##1{}%
16067 \let\SOUL@soeventuallyskip\relax
16068 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
16069 \@minus\fontdimen4\font
16070 \SOUL@ignorespacesfalse
16071 \leavevmode
16072 \SOUL@preamble
16073 \SOUL@lasttoken={}%
16074 \SOUL@word={}%
16075 \SOUL@minus\z@
16076 \SOUL@comma\z@
16077 \SOUL@apo\z@
16078 \SOUL@grave\z@
16079 \SOUL@do{#1}%
16080 \SOUL@postamble
16081 }}
16082 \def\SOUL@ulunderline#1{ {%
16083 \setbox\z@\hbox{#1}%
16084 \dimen@=\wd\z@
16085 \dimen@i=\SOUL@uloverlap
16086 \advance\dimen@2\dimen@i
16087 \if@RTL
16088 \unhcopy\z@
16089 \llap{%
16090 \null
16091 \kern-\dimen@i
16092 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
16093 }%
16094 \else
16095 \rlap{%
16096 \null
16097 \kern-\dimen@i
16098 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
16099 }%
16100 \unhcopy\z@
16101 \fi
16102 }}
16103 \def\bid@SOUL@ulleaders{%
16104 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\rela
16105 }
16106 \def\SOUL@uleveryspace#1{%
16107 \if@RTL
16108 #1%
16109 \bid@SOUL@ulleaders
16110 \hskip\spaceskip
16111 \else
16112 \SOUL@ulcolor{%
16113 #1%
16114 \SOUL@ulleaders
16115 \hskip\spaceskip

```



```

16116 }%
16117 \fi
16118 \null
16119 }

```

7.104 stabular-xetex-bidi.def

```

16120 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for
16121 \def\@stabular{\if@RTL\@RTLtabtrue\fi
16122 \leavevmode \bgroup \if@RTLtab\beginR \fi
16123 \let\@acol\@tabacol
16124 \let\@classz\@tabclassz
16125 \let\@classiv\@tabclassiv \let\\\@tabularcrr\@stabarray}
16126 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
16127 \egroup \if@RTLtab\endR\fi\egroup
16128 \@RTLtabfalse}
16129 \expandafter \let \csname endstabular*\endcsname = \endstabular
16130 \def\@sarray[#1]#2{%
16131 \bgroup
16132 \setbox\@arstrutbox\hbox{%
16133 \vrule \@height\arraystretch\ht\strutbox
16134 \@depth\arraystretch \dp\strutbox
16135 \@width\z@}%
16136 \mkpream{#2}%
16137 \edef\@preamble{%
16138 \ialign \noexpand\@halignto
16139 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
16140 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16141 \let\tabularnewline\\%
16142 \let\@sharp##%
16143 \set@typeset@protect
16144 \lineskip\z@skip\baselineskip\z@skip
16145 \if@RTLtab\hbox\bgroup\beginR\if #1t\top \else \vbox \fi\bgroup\fi
16146 \@preamble}

```

7.105 subfigure-xetex-bidi.def

```

16147 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package f
16148 \AtBeginDocument{%
16149 \let\p@subfigure=\thefigure
16150 \let\p@subtable=\thetable%
16151 }

```

7.106 tabs-xetex-bidi.def

```

16152 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX
16153 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
16154 \@RTLtabfalse}
16155
16156 \expandafter\let\csname endtabular*\endcsname=\endtabular
16157
16158 \def\endarray{\ifvmode\csname crr\endcsname % just do \crr if \ given

```



```

16159 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
16160 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
16161
16162 \def\@array[#1]#2{% remember global variables to allow recursion:
16163 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
16164 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
16165 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
16166 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
16167 \else \let\@tarlinesep\tablinesep \fi
16168 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
16169 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
16170 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
16171 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
16172 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
16173 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
16174 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
16175 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
16176 \let\protect\noexpand
16177 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
16178 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
16179 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16180 \if#1t\vtop \else \if#1b\vbbox \else \vcenter \fi\fi
16181 \bgroup \let\par\@empty
16182 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
16183 \advance\extrarulesep.5\arrayrulewidth
16184 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
16185 \if@RTLtab\hbox\bgroup\beginR\if#1t\vtop \else \vbbox \fi\bgroup\fi
16186 \@preamble}

```

7.107 tabularx-xetex-bidi.def

```

16187 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
16188 \def\TX@endtabularx{%
16189 \expandafter\expandafter\expandafter
16190 \TX@find@endtabularxa\csname end\TX@\endcsname
16191 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
16192 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
16193 \let\verb\TX@verb
16194 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
16195 \edef\TX@ckpt{\cl@ckpt}%
16196 \let\@elt\relax
16197 \TX@old@table\maxdimen
16198 \TX@col@width\TX@target
16199 \global\TX@cols\@ne
16200 \TX@typeout@
16201 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
16202 \TX@trial{\def\NC@rewriteX{%
16203 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
16204 \loop
16205 \TX@arith

```



```

16206 \ifTX@
16207 \TX@trial{}%
16208 \repeat
16209 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
16210 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
16211 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
16212 \csname tabular*\expandafter\endcsname\expandafter\TX@target
16213 \the\toks@
16214 \csname endtabular*\endcsname}%
16215 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
16216 \ifnum0={\fi}%
16217 \expandafter\expandafter\expandafter
16218 \TX@find@endtabularxbb
16219 \expandafter\end\expandafter{\TX@}%
16220 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
16221 }
16222
16223 \def\TX@trial#1{%
16224 \setbox\@tempboxa\hbox{%
16225 #1\relax
16226 \let\@footnotetext\TX@trial@ftn
16227 \let\@LTRfootnotetext\TX@trial@ftn
16228 \let\@RTLfootnotetext\TX@trial@ftn
16229 \let\TX@vwarn\@empty
16230 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
16231 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
16232 \def\write{\begingroup
16233 \def\let{\afterassignment\endgroup\toks@}%
16234 \afterassignment\let\count@}%
16235 \hbadness\@M
16236 \hfuzz\maxdimen
16237 \let\hbadness\@tempcnta
16238 \let\hfuzz\@tempdima
16239 \expandafter\tabular\the\toks@
16240 \endtabular}%
16241 \TX@ckpt
16242 \TX@typeout@{\@spaces
16243 \expandafter\TX@align
16244 \the\wd\@tempboxa\space\space\space\space\space\@@
16245 \expandafter\TX@align
16246 \the\TX@col@width\space\space\space\space\space\@@
16247 \@spaces\the\TX@cols}}
16248
16249 \long\def\TX@LTRftntext#1{%
16250 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
16251 [\the\csname c@\@mpfn\endcsname]]}%
16252 \global\TX@ftn\expandafter{\@tempa{#1}}}%
16253 \long\def\TX@xLTRftntext[#1]#2{%
16254 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
16255

```



```

16256 \long\def\TX@RTLftntext#1{%
16257   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
16258     [\the\csname c@\mpfn\endcsname]}}%
16259   \global\TX@ftn\expandafter{\@tempa{#1}}}%
16260 \long\def\TX@xRTLftntext[#1]#2{%
16261   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

7.108 tabulary-xetex-bidi.def

```

16262 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
16263 \def\@testpach{\@chclass
16264   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
16265     \ifnum \@lastchclass=7 5 \else
16266       \ifnum \@lastchclass=8 \tw@ \else
16267         \ifnum \@lastchclass=9 \thr@@
16268           \else \z@
16269             \ifnum \@lastchclass = 10 \else
16270               \edef\@nextchar{\expandafter\string\@nextchar}%
16271               \@chnum
16272               \if \@nextchar c\z@ \else
16273                 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
16274                   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
16275                     \if \@nextchar C7 \else
16276                       \if \@nextchar L8 \else
16277                         \if \@nextchar R9 \else
16278                           \if \@nextchar J10 \else
16279                             \z@ \@chclass
16280                             \if \@nextchar |\@ne \else
16281                               \if \@nextchar !6 \else
16282                                 \if \@nextchar @7 \else
16283                                   \if \@nextchar <8 \else
16284                                     \if \@nextchar >9 \else
16285                                       10
16286                                       \@chnum
16287                                       \if \@nextchar m\thr@@\else
16288                                         \if \@nextchar p4 \else
16289                                           \if \@nextchar b5 \else
16290                                             \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
16291                                             \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

7.109 tc-xetex-bidi.def

```

16292 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX
16293 \def\@cliptoboxdim#1{%
16294   \setbox#1=\hbox{%
16295     \Gin@defaultbp\WIDTH{\wd#1}%
16296     \Gin@defaultbp\DEPTH{\dp#1}%
16297     \@tempdima\ht#1%
16298     \advance\@tempdima\dp#1%
16299     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
16300     \beginL\special{pdf:bcontent }%

```




```

16301      \special{%
16302          pdf:literal direct
16303          0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
16304      }%
16305      \special{pdf:literal direct W }%
16306      \special{pdf:literal direct n }%
16307          \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
16308      \special{pdf:econtent }\endL%
16309  }%
16310 }

```

7.110 titlesec-xetex-bidi.def

```

16311 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for
16312 \renewcommand\filright{%
16313   \gdef\ttl@filleft##1{\hskip##1}%
16314   \gdef\ttl@filright##1{\hfill}%
16315   \let\\\@centercr
16316   \advance\rightskip\z@ \@plus 1fil
16317   \parfillskip\z@}
16318 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
16319   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
16320   \setlength\leftskip{#6}%
16321   \setlength\rightskip{#7}%
16322   \interlinepenalty\@M
16323   \ttl@changecentercr
16324   \ttl@beginlongest
16325   #1{\ifhmode\ttl@hmode@error\fi
16326     \ttl@glcmds
16327     \parindent\z@
16328     \leavevmode
16329     \begingroup
16330     \ifttl@label
16331       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
16332       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
16333       \llap{\box\z@}%
16334     \fi
16335     #4{#8}%
16336     \kern\z@\strut\@par
16337     \endgroup
16338     \nobreak\ttl@midlongest#5\@par}%
16339   \ttl@endlongest}

```

7.111 titletoc-xetex-bidi.def

```

16340 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
16341 \renewcommand\filright{%
16342   \gdef\ttl@filleft##1{\hskip##1}%
16343   \gdef\ttl@filright##1{\hfill}%
16344   \let\\\@centercr
16345   \advance\rightskip\z@ \@plus 1fil

```



```

16346 \parfillskip\z@}
16347 \renewcommand\contentspush[1]{%
16348   \sbox\z@{#1}%
16349   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
16350   \aftergroup\ttl@b
16351   \leavevmode\llap{\box\z@}}
16352 \def\ttl@outnblock#1#2#3{%
16353   \begingroup
16354   \ifnum\ttl@b>\ttl@a
16355     \nobreak
16356   \else\ifnum\ttl@b<\ttl@a
16357     \addpenalty{\@secpenalty}%
16358   \else
16359     \addpenalty{\z@}%
16360   \fi\fi
16361   \ttl@contentsstretch
16362   \nobreak
16363   \ifcase#1\relax\else\interlinepenalty\@M\fi
16364   \parindent\z@
16365   \ifx\@nil#2%
16366     \PackageError{titletoc}{Unimplemented}%
16367     {The optional argument is currently mandatory}%
16368   \else
16369     \if@RTL\setlength\rightskip{#2}\else
16370     \setlength\leftskip{#2}\fi%
16371   \fi
16372   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
16373   \let\contentsmargin\ttl@margin
16374   \def\ttl@makeline##1{##1}%
16375   #3%
16376   \addtolength{\parfillskip}{-\ttl@corr}%
16377   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
16378   \let\ttl@leaders\leaders}
16379 \renewcommand\ttl@margin[2][\z@]{%
16380   \def\ttl@corr{#1}%
16381   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
16382   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
16383   \def\@pnumwidth{#2}}
16384 \let\ttl@savel@part\l@part
16385 \def\l@part{\ttl@lselect{part}}
16386
16387 \let\ttl@savel@chapter\l@chapter
16388 \def\l@chapter{\ttl@lselect{chapter}}

```

7.112 tocibind-xetex-bidi.def

```

16389 \ProvidesFile{tocibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocibind package]
16390 \if@dotocbib
16391   \ifpackageloaded{natbib}{\% natbib not loaded
16392     \renewcommand{\bibsection}{\t@cb@bchapsec}

```



```

16393 \renewenvironment{thebibliography}[1]{%
16394     \bibsection
16395     \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
16396 \renewenvironment{thebibitemlist}[1]{
16397     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16398     \list{\@biblabel{\@arabic{c@enumiv}}}%
16399         {\settowidth\labelwidth{\@biblabel{#1}}%
16400          \leftmargin\labelwidth
16401          \advance\leftmargin\labelsep
16402          \@openbib@code
16403          \usecounter{enumiv}%
16404          \let\p@enumiv\@empty
16405          \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
16406     \sloppy
16407     \clubpenalty4000
16408     \@clubpenalty \clubpenalty
16409     \widowpenalty4000%
16410     \sfcode~\.\@m}
16411 {\def\@noitemerr
16412   {\@latex@warning{Empty `thebibliography' environment}}%
16413   \endlist}
16414
16415 \ifpackagewith{chapterbib}{sectionbib}%
16416   {\renewcommand{\sectionbib}[2]{}}%
16417   {}
16418
16419 \fi
16420 \if@inltxdoc\else
16421   \renewenvironment{theindex}%
16422     {\if@twocolumn
16423      \@restonecolfalse
16424      \else
16425        \@restonecoltrue
16426      \fi
16427     \if@bibchapter
16428       \if@donumindex
16429         \refstepcounter{chapter}
16430         \twocolumn[\vspace*{2\topskip}%
16431                   \@makechapterhead{\indexname}}%
16432       \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
16433       \chaptermark{\indexname}
16434     \else
16435       \if@dotocind
16436         \twocolumn[\vspace*{2\topskip}%
16437                   \@makeschapterhead{\indexname}}%
16438         \prw@mkboth{\indexname}
16439         \addcontentsline{toc}{chapter}{\indexname}
16440       \else
16441         \twocolumn[\vspace*{2\topskip}%
16442                   \@makeschapterhead{\indexname}}%

```



```

16443         \prw@mkboth{\indexname}
16444     \fi
16445 \fi
16446 \else
16447     \if@donumindex
16448         \twocolumn[\vspace*{-1.5\topskip}%
16449             \@nameuse{\@tocextra}{\indexname}}%
16450         \csname \@tocextra mark\endcsname{\indexname}
16451     \else
16452         \if@dotocind
16453             \twocolumn[\vspace*{-1.5\topskip}%
16454                 \toc@headstar{\@tocextra}{\indexname}}%
16455             \prw@mkboth{\indexname}
16456             \addcontentsline{toc}{\@tocextra}{\indexname}
16457         \else
16458             \twocolumn[\vspace*{-1.5\topskip}%
16459                 \toc@headstar{\@tocextra}{\indexname}}%
16460             \prw@mkboth{\indexname}
16461         \fi
16462     \fi
16463 \fi
16464 \thispagestyle{plain}\parindent\z@
16465 \parskip\z@ \@plus .3\p@\relax
16466 \let\item\@idxitem}
16467 {\if@restonecol\onecolumn\else\clearpage\fi}
16468 \fi

```

7.113 tocloft-xetex-bidi.def

```

16469 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
16470 \let\cftdot\@SepMark
16471 \if@cfthaspart
16472 \renewcommand*{\l@part}[2]{
16473     \@cftdopartfalse
16474     \ifnum \c@tocdepth >-2\relax
16475         \if@cfthaschapter
16476             \@cftdoparttrue
16477         \fi
16478         \ifnum \c@tocdepth >\m@ne
16479             \if@cfthaschapter\else
16480                 \@cftdoparttrue
16481             \fi
16482         \fi
16483     \fi
16484     \if@cftdopart
16485         \if@cfthaschapter
16486             \addpenalty{-\@highpenalty}
16487         \else
16488             \addpenalty\@secpenalty
16489         \fi

```



```

16490 \addvspace{\cftbeforepartskip}
16491 \beginingroup
16492   {\if@RTL\rightright\else\leftskip\fi \cftpartindent\relax
16493    \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16494    \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16495    \parindent \cftpartindent\relax\@afterindenttrue
16496    \interlinepenalty\@M
16497    \leavevmode
16498    \@tempdima \cftpartnumwidth\relax
16499    \let\@cftbsnum \cftpartpresnum
16500    \let\@cftasnum \cftpartaftersnum
16501    \let\@cftasnumb \cftpartaftersnumb
16502    \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\else\leftskip\fi
16503    {\cftpartfont \cftpartpresnum #1}
16504    \cftpartfillnum{#2}}
16505    \nobreak
16506    \if@cfthaschapter
16507      \global\@nobreaktrue
16508      \everypar{\global\@nobreakfalse\everypar{}}
16509    \else
16510      \if@compatibility
16511        \global\@nobreaktrue
16512        \everypar{\global\@nobreakfalse\everypar{}}
16513      \fi
16514    \fi
16515  \endgroup
16516 \fi}
16517 \fi
16518 \if@cfthaschapter
16519 \renewcommand*{\l@chapter}[2]{
16520   \ifnum \c@tocdepth >\m@ne
16521     \addpenalty{-\@highpenalty}
16522     \vskip \cftbeforechapskip
16523     {\if@RTL\rightright\else\leftskip\fi \cftchapindent\relax
16524      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16525      \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16526      \parindent \cftchapindent\relax\@afterindenttrue
16527      \interlinepenalty\@M
16528      \leavevmode
16529      \@tempdima \cftchapnumwidth\relax
16530      \let\@cftbsnum \cftchappresnum
16531      \let\@cftasnum \cftchapaftersnum
16532      \let\@cftasnumb \cftchapaftersnumb
16533      \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\else\leftskip\fi
16534      {\cftchapfont #1}\nobreak
16535      \cftchapfillnum{#2}}
16536   \fi}
16537 \fi
16538 \renewcommand*{\l@section}[2]{%
16539   \ifnum \c@tocdepth >\z@

```



```

16540 \if@cfthaschapter
16541 \vskip \cftbeforesecskip
16542 \else
16543 \addpenalty\@secpenalty
16544 \addvspace{\cftbeforesecskip}
16545 \fi
16546 {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
16547 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
16548 \parfillskip -\if@RTL\leftskip\else\righskip\fi
16549 \parindent \cftsecindent\relax\@afterindenttrue
16550 \interlinepenalty\@M
16551 \leavevmode
16552 \@tempdima \cftsecnumwidth\relax
16553 \let\@cftbsnum \cftsecpresnum
16554 \let\@cftasnum \cftsecaftersnum
16555 \let\@cftasnumb \cftsecaftersnumb
16556 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
16557 {\cftsecfont #1}\nobreak
16558 \cftsecfillnum{#2}}
16559 \fi}
16560 \renewcommand*{\l@section}[2]{%
16561 \ifnum \c@tocdepth >\@ne
16562 \vskip \cftbeforesubsecskip
16563 {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
16564 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
16565 \parfillskip -\if@RTL\leftskip\else\righskip\fi
16566 \parindent \cftsubsecindent\relax\@afterindenttrue
16567 \interlinepenalty\@M
16568 \leavevmode
16569 \@tempdima \cftsubsecnumwidth\relax
16570 \let\@cftbsnum \cftsubsecpresnum
16571 \let\@cftasnum \cftsubsecaftersnum
16572 \let\@cftasnumb \cftsubsecaftersnumb
16573 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
16574 {\cftsubsecfont #1}\nobreak
16575 \cftsubsecfillnum{#2}}
16576 \fi}
16577 \renewcommand*{\l@subsubsection}[2]{%
16578 \ifnum \c@tocdepth >\tw@
16579 \vskip \cftbeforesubsubsecskip
16580 {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
16581 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
16582 \parfillskip -\if@RTL\leftskip\else\righskip\fi
16583 \parindent \cftsubsubsecindent\relax\@afterindenttrue
16584 \interlinepenalty\@M
16585 \leavevmode
16586 \@tempdima \cftsubsubsecnumwidth\relax
16587 \let\@cftbsnum \cftsubsubsecpresnum
16588 \let\@cftasnum \cftsubsubsecaftersnum
16589 \let\@cftasnumb \cftsubsubsecaftersnumb

```



```

16590 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
16591 {\cftsubsubsecfont #1}\nobreak
16592 \cftsubsubsecfillnum{#2}}
16593 \fi}
16594 \renewcommand*{\l@paragraph}[2]{%
16595 \ifnum \c@tocdepth >3\relax
16596 \vskip \cftbeforeparaskip
16597 {\if@RTL\rightright\else\leftskip\fi \cftparaindent\relax
16598 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
16599 \parfillskip -\if@RTL\leftskip\else\rightright\fi
16600 \parindent \cftparaindent\relax\@afterindenttrue
16601 \interlinepenalty\@M
16602 \leavevmode
16603 \@tempdima \cftparanumwidth\relax
16604 \let\@cftbsnum \cftparapresnum
16605 \let\@cftasnum \cftparaaftersnum
16606 \let\@cftasnumb \cftparaaftersnumb
16607 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
16608 {\cftparafont #1}\nobreak
16609 \cftparafillnum{#2}}
16610 \fi}
16611 \renewcommand*{\l@subparagraph}[2]{%
16612 \ifnum \c@tocdepth >4\relax
16613 \vskip \cftbeforeparaskip
16614 {\if@RTL\rightright\else\leftskip\fi \cftsubparaindent\relax
16615 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
16616 \parfillskip -\if@RTL\leftskip\else\rightright\fi
16617 \parindent \cftsubparaindent\relax\@afterindenttrue
16618 \interlinepenalty\@M
16619 \leavevmode
16620 \@tempdima \cftsubparanumwidth\relax
16621 \let\@cftbsnum \cftsubparapresnum
16622 \let\@cftasnum \cftsubparaaftersnum
16623 \let\@cftasnumb \cftsubparaaftersnumb
16624 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
16625 {\cftsubparafont #1}\nobreak
16626 \cftsubparafillnum{#2}}
16627 \fi}
16628 \renewcommand*{\l@figure}[2]{%
16629 \ifnum \c@lofdepth >\z@
16630 \vskip \cftbeforefigskip
16631 {\if@RTL\rightright\else\leftskip\fi \cftfigindent\relax
16632 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
16633 \parfillskip -\if@RTL\leftskip\else\rightright\fi
16634 \parindent \cftfigindent\relax\@afterindenttrue
16635 \interlinepenalty\@M
16636 \leavevmode
16637 \@tempdima \cftfignumwidth\relax
16638 \let\@cftbsnum \cftfigpresnum
16639 \let\@cftasnum \cftfigaftersnum

```



```

16640 \let\@cftasnumb \cftfigaftersnumb
16641 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16642 {\cftfigfont #1}\nobreak
16643 \cftfigfillnum{#2}}
16644 \fi
16645 }
16646 \renewcommand*{\l@table}[2]{%
16647 \ifnum\c@lotdepth >\z@
16648 \vskip \cftbeforetabskip
16649 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
16650 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16651 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16652 \parindent \cfttabindent\relax\@afterindenttrue
16653 \interlinepenalty\@M
16654 \leavevmode
16655 \@tempdima \cfttabnumwidth\relax
16656 \let\@cftbsnum \cfttabpresnum
16657 \let\@cftasnum \cfttabaftersnum
16658 \let\@cftasnumb \cfttabaftersnumb
16659 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16660 {\cfttabfont #1}\nobreak
16661 \cfttabfillnum{#2}}
16662 \fi
16663 }
16664 \renewcommand{\@cftl@subfig}{
16665 \renewcommand*{\l@subfigure}[2]{%
16666 \ifnum \c@lofdepth > \toclevel@subfigure
16667 \vskip \cftbeforesubfigskip
16668 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
16669 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16670 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16671 \parindent \cftsubfigindent\relax\@afterindenttrue
16672 \interlinepenalty\@M
16673 \leavevmode
16674 \@tempdima \cftsubfignumwidth\relax
16675 \let\@cftbsnum \cftsubfigpresnum
16676 \let\@cftasnum \cftsubfigaftersnum
16677 \let\@cftasnumb \cftsubfigaftersnumb
16678 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16679 {\cftsubfigfont ##1}\nobreak
16680 \cftsubfigfillnum{##2}}
16681 \fi
16682 }
16683 }
16684 \renewcommand{\@cftl@subtab}{
16685 \renewcommand*{\l@subtable}[2]{%
16686 \ifnum \c@lotdepth > \toclevel@subtable
16687 \vskip \cftbeforesubtabskip
16688 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
16689 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg

```




```

16690 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16691 \parindent \cftsubtabindent\relax\@afterindenttrue
16692 \interlinepenalty\@M
16693 \leavevmode
16694 \@tempdima \cftsubtabnumwidth\relax
16695 \let\@cftbsnum \cftsubtabpresnum
16696 \let\@cftasnum \cftsubtabaftersnum
16697 \let\@cftasnumb \cftsubtabaftersnumb
16698 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
16699 {\cftsubtabfont ##1}\nobreak
16700 \cftsubtabfillnum{##2}}
16701 \fi
16702 }
16703 }
16704 \renewcommand{\newlistentry}[4][\@empty]{%
16705 \@ifundefined{c@#2}{% check & set the counter
16706 \ifx \@empty#1\relax
16707 \newcounter{#2}
16708 \else
16709 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
16710 {#1 has no counter for use as a `within'}
16711 \newcounter{#2}}%
16712 {\newcounter{#2}[#1]%
16713 \expandafter\edef\csname the#2\endcsname{%
16714 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
16715 \fi
16716 \setcounter{#2}{0}
16717 }
16718 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
16719
16720 \@namedef{l@#2}##1##2{%
16721 \ifnum \@nameuse{c@#3depth} > #4\relax
16722 \vskip \@nameuse{cftbefore#2skip}
16723 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
16724 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16725 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16726 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
16727 \interlinepenalty\@M
16728 \leavevmode
16729 \@tempdima \@nameuse{cft#2numwidth}\relax
16730 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
16731 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
16732 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
16733 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
16734 {\@nameuse{cft#2font}##1}\nobreak
16735 \@nameuse{cft#2fillnum}{##2}}
16736 \fi
16737 } % end of l@#2
16738
16739 \expandafter\newlength\csname cftbefore#2skip\endcsname

```



```

16740 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
16741 \expandafter\newlength\csname cft#2indent\endcsname
16742 \expandafter\newlength\csname cft#2numwidth\endcsname
16743 \ifcase #4\relax % 0
16744 \setlength{\@nameuse{cft#2indent}}{0em}
16745 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
16746 \or % 1
16747 \setlength{\@nameuse{cft#2indent}}{1.5em}
16748 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
16749 \or % 2
16750 \setlength{\@nameuse{cft#2indent}}{3.8em}
16751 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
16752 \or % 3
16753 \setlength{\@nameuse{cft#2indent}}{7.0em}
16754 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
16755 \else % anything else
16756 \setlength{\@nameuse{cft#2indent}}{10.0em}
16757 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
16758 \fi
16759 \@namedef{cft#2font}{\normalfont}
16760 \@namedef{cft#2presnum}{\}
16761 \@namedef{cft#2aftersnum}{\}
16762 \@namedef{cft#2aftersnumb}{\}
16763 \@namedef{cft#2dotsep}{\cftdotsep}
16764 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
16765 \@namedef{cft#2pagefont}{\normalfont}
16766 \@namedef{cft#2afterpnum}{\}
16767 \@namedef{toclevel@#2}{#4}
16768 \@namedef{cft#2fillnum}##1{%
16769 {\@nameuse{cft#2leader}}\nobreak
16770 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
16771 } % end \newlistentry
16772 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
16773 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
16774 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
16775 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
16776 \textit{#1}\protect\par}}}

```

7.114 tocstyle-xetex-bidi.def

```

16777 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
16778 \renewcommand*{\tocstyle@dottedtocline}[5]{%
16779 \let\numberline\tocstyle@numberline
16780 \ifnum #1>\c@tocdepth \else
16781 \if@tocstyle@penalties
16782 \begingroup
16783 \@tempcnta 20010
16784 \advance \@tempcnta by -#1
16785 \ifnum \@tempcnta>\lastpenalty
16786 \aftergroup\penalty\aftergroup\@lowpenalty

```



```

16787         \fi
16788     \endgroup
16789 \fi
16790 \edef\tocstyledepth{#1}%
16791 \tocstyle@activate@features
16792 \ifx\tocstyle@feature@entryvskip\relax
16793     \vskip \z@ \@plus.2\p@
16794 \else
16795     \addvspace{\tocstyle@feature@entryvskip}%
16796 \fi
16797 {%
16798 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
16799     \tocstyle@feature@raggedhook
16800     \@tempdima #3\relax
16801     \@tempdimb #2\relax
16802     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16803     \ifnum #1>\z@\relax
16804         \@tempcnta #1\relax \advance\@tempcnta \m@ne
16805     \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16806     \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16807         \@tempdimb
16808         \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16809         \advance\@tempdimb
16810         \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16811     \fi
16812 \fi
16813 \fi
16814 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16815 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
16816     \ifdim \@tempdimb>
16817         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
16818         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
16819             @#1\endcsname{\the\@tempdimb}%
16820     \fi
16821 \else
16822     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
16823         @#1\endcsname{\the\@tempdimb}%
16824 \fi
16825 \iftocstyle@autolength
16826     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
16827     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
16828     \relax
16829 \fi
16830     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
16831     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
16832     \relax
16833 \fi
16834     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16835     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16836 \else

```



```

16837     \@tempdimb #2\relax
16838     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16839   \fi
16840   \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
16841     \ifdim \@tempdima>
16842       \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
16843       \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
16844         @\endcsname{\the\@tempdima}%
16845     \fi
16846   \else
16847     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
16848       @\endcsname{\the\@tempdima}%
16849   \fi
16850   \ifcase\tocstyle@indentstyle\relax\else
16851     \@tempdimb \z@
16852     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
16853     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
16854       \relax
16855     \fi
16856     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16857     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16858   \fi
16859   \advance\parindent \@tempdimb\@afterindenttrue
16860   \advance\if@RTL\rightskip\else\leftskip\fi \parindent
16861   \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16862   \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16863   \ifx\tocstyle@feature@parfillskip\relax\else
16864     \advance\parfillskip \tocstyle@feature@parfillskip\relax
16865   \fi
16866   \interlinepenalty\@M
16867   \leavevmode
16868   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16869   \null\nobreak
16870   \iftocstyle@indentnotnumbered\else
16871     \hskip -\if@RTL\rightskip\else\leftskip\fi
16872   \fi
16873   \tocstyle@feature@entryhook
16874   {#4}\nobreak
16875   \ifx\tocstyle@feature@leaders\relax
16876     \leaders\hbox{$\m@th
16877       \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
16878       \mkern \@dotsep mu$}\hfill
16879   \else
16880     \tocstyle@feature@leaders
16881   \fi
16882   \nobreak
16883   \ifx\tocstyle@feature@pagenumberbox\relax
16884     \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
16885   \else
16886     \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%

```



```

16887 \fi
16888 \par
16889 }%
16890 \if@tocstyle@penalties
16891 \bgroup
16892 \@tempcnta 20009
16893 \advance\@tempcnta by -#1
16894 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
16895 \reserved@a
16896 \fi
16897 \fi}
16898 \renewcommand*{\tocstyle@numberline}[1]{%
16899 \beginngroup
16900 \ifx\tocstyle@feature@spaceafternumber\relax
16901 \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
16902 \else
16903 \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
16904 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
16905 \fi
16906 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
16907 \ifdim \@tempdima >
16908 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
16909 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
16910 @\tocstyledepth\endcsname{\the\@tempdima}%
16911 \fi
16912 \else
16913 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
16914 @\tocstyledepth\endcsname{\the\@tempdima}%
16915 \fi
16916 \endgroup
16917 \iftocstyle@indentnotnumbered
16918 \hskip -\if@RTL\rightskip\else\leftskip\fi
16919 \fi
16920 \ifcase \tocstyle@indentstyle
16921 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
16922 \or
16923 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
16924 \else
16925 \ifx\tocstyle@feature@spaceafternumber\relax
16926 \hbox{\tocstyle@@numberline{#1}\enskip}%
16927 \else
16928 \hbox{\tocstyle@@numberline{#1}\hskip
16929 \tocstyle@feature@spaceafternumber\relax}%
16930 \fi
16931 \fi
16932 }
16933 \AtBeginDocument{%
16934 \ifcsname l@part\endcsname
16935 \ifcsname l@chapter\endcsname
16936 \setbox\@tempboxa\vbox{\hsize\maxdimen

```



```

16937         \l@part{\tocstyle@l@define{part}{-1}}{}}%
16938     \else
16939         \setbox\@tempboxa\vbox{\hsize\maxdimen
16940             \l@part{\tocstyle@l@define{part}{0}}{}}%
16941     \fi
16942 \fi
16943 \ifcsname l@chapter\endcsname
16944     \setbox\@tempboxa\vbox{\hsize\maxdimen
16945         \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
16946 \fi
16947 \ifcsname l@section\endcsname
16948     \setbox\@tempboxa\vbox{\hsize\maxdimen
16949         \l@section{\tocstyle@l@define{section}{1}}{}}%
16950 \fi
16951 \ifcsname l@subsection\endcsname
16952     \setbox\@tempboxa\vbox{\hsize\maxdimen
16953         \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
16954 \fi
16955 \ifcsname l@subsubsection\endcsname
16956     \setbox\@tempboxa\vbox{\hsize\maxdimen
16957         \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
16958 \fi
16959 \ifcsname l@paragraph\endcsname
16960     \setbox\@tempboxa\vbox{\hsize\maxdimen
16961         \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
16962 \fi
16963 \ifcsname l@subparagraph\endcsname
16964     \setbox\@tempboxa\vbox{\hsize\maxdimen
16965         \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
16966 \fi
16967 \ifcsname l@table\endcsname
16968     \setbox\@tempboxa\vbox{\hsize\maxdimen
16969         \l@table{\tocstyle@l@define{table}{1}}{}}%
16970 \fi
16971 \ifcsname l@figure\endcsname
16972     \setbox\@tempboxa\vbox{\hsize\maxdimen
16973         \l@figure{\tocstyle@l@define{figure}{1}}{}}%
16974 \fi
16975 \def\@tempa#1#2#3#4#5{%
16976     \ifnum #1>\c@tocdepth \else
16977         \vskip \z@ \@plus.2\p@
16978         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16979         \parindent #2\relax\@afterindenttrue
16980         \interlinepenalty\@M
16981         \leavevmode
16982         \@tempdima #3\relax
16983         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
16984         {#4}\nobreak
16985         \leaders\hbox{$\m@th
16986             \mkern \@dotsep mu\hbox{.}\mkern \@dotsep

```



```

16987         mu$}\hfill
16988         \nobreak
16989         \hb@xt@{\pnumwidth{\hfil \normalfont \normalcolor #5}}%
16990         \par}%
16991     \fi}%
16992 \ifx\@dottedtocline\@tempa\else
16993     \tocstyle@macrochangewarning\@dottedtocline
16994 \fi
16995 \let\tocstyle@saved@dottedtocline\@dottedtocline
16996 \def\@tempa#1{\hb@xt@{\tempdima{#1}\autodot\hfil}}%
16997 \ifx\numberline\@tempa\else
16998     \def\@tempa#1{\hb@xt@{\tempdima{#1}\hfil}}%
16999     \ifx\numberline\@tempa\else
17000         \tocstyle@macrochangewarning\numberline
17001     \fi
17002 \fi
17003 \let\tocstyle@saved@numberline\numberline
17004 }
17005 \renewcommand*{\tocstyle@l@define}[2]{%
17006     \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
17007     \edef\@tempa{%
17008         \noexpand\global\noexpand\let
17009         \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
17010         \expandafter\noexpand\csname l@#1\endcsname
17011         \noexpand\gdef
17012         \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
17013             \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
17014             \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
17015                 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
17016                 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
17017             }%
17018         }%
17019     \PackageInfo{tocstyle}{prepare \expandafter\string
17020         \csname l@#1\endcsname\space for redefinition}%
17021     \@tempa
17022 }

```

7.115 todonotes-xetex-bidi.def

```

17023 \ProvidesFile{todonotes-xetex-bidi.def}[2015/06/17 v0.3 bidi adaptations for todonotes package]
17024 \newif\if@bidi@todonotes@textdirection@RTL
17025 \newif\if@bidi@todonotes@figposition@right
17026 \newcommand{\@bidi@todonotes@align}{}%
17027 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
17028 \newcommand{\@bidi@todonotes@textdirection}{}%
17029 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right|left}
17030 \ifcase\@bidi@todonotes@tempb\relax
17031     \@bidi@todonotes@textdirection@RTLtrue
17032     \let\@bidi@todonotes@textdirection\RL
17033 \or

```



```

17034 \@bidi@todonotes@textdirection@RTLfalse
17035 \let\@bidi@todonotes@textdirection\LRE
17036 \fi}
17037 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1
17038 \ifcase\@bidi@todonotes@tempb\relax
17039 \@bidi@todonotes@figposition@righttrue
17040 \or
17041 \@bidi@todonotes@figposition@rightfalse
17042 \fi}
17043 \if@todonotes@disabled%
17044 \else % \if@todonotes@disabled
17045 \renewcommand{\@todonotes@drawInlineNote}{%
17046 \if@todonotes@dviStyle%
17047 {\par\noindent\begin{tikzpicture}[remember picture]%
17048 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
17049 \if@todonotes@authorgiven%
17050 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
17051 \else%
17052 {\noindent \@todonotes@sizecommand \@todonotes@text}%
17053 \fi
17054 {\par\noindent\begin{tikzpicture}[remember picture]%
17055 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
17056 \else%
17057 {\par\noindent\begin{tikzpicture}[remember picture]%
17058 \if@bidi@todonotes@textdirection@RTL\else\setLTR\fi%
17059 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{%
17060 \if@todonotes@authorgiven%
17061 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
17062 \else%
17063 {\noindent \@todonotes@sizecommand \@todonotes@text}%
17064 \fi};%
17065 \end{tikzpicture}\par}%
17066 \fi}%
17067 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
17068 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
17069 \node [coordinate] (inText) {};%
17070 \end{tikzpicture}%
17071 \marginpar[{\% Draw note in left margin
17072 \@todonotes@drawMarginNote%
17073 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
17074 }]{\% Draw note in right margin
17075 \@todonotes@drawMarginNote%
17076 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
17077 }%
17078 }%
17079 \renewcommand{\@todonotes@drawMarginNote}{%
17080 \if@todonotes@dviStyle%
17081 \begin{tikzpicture}[remember picture]%
17082 \draw node[notestyle] {};%
17083 \end{tikzpicture}\%

```




```

17084 \begin{minipage}{\@todonotes@textwidth}%
17085 \if@todonotes@authorgiven%
17086 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
17087 \else%
17088 \@todonotes@sizecommand \@todonotes@text%
17089 \fi%
17090 \end{minipage}}\%
17091 \begin{tikzpicture}[remember picture]%
17092 \draw node[notestyle] (inNote) {};%
17093 \end{tikzpicture}%
17094 \else%
17095 \let\originalHbadness\hbadness%
17096 \hbadness 100000%
17097 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
17098 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
17099 \node(X){\vphantom{X}};%
17100 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@al.
17101 {\@todonotes@text};%
17102 \if@todonotes@authorgiven%
17103 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
17104 {\@todonotes@sizecommand\@todonotes@author}};%
17105 \node(Y)[below=of X]{};%
17106 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
17107 {\@todonotes@text};%
17108 \else%
17109 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
17110 {\@todonotes@text};%
17111 \fi%
17112 \end{tikzpicture}%
17113 \hbadness \originalHbadness%
17114 \fi}%
17115 \renewcommand{\missingfigure}[2][]{%
17116 \setkeys{todonotes}{#1}%
17117 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
17118 \par
17119 \noindent
17120 \begin{tikzpicture}
17121 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
17122 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
17123 \if@bidi@todonotes@figposition@right%
17124 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
17125 \fi%
17126 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
17127 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
17128 \if@bidi@todonotes@figposition@right%
17129 \end{scope}
17130 \begin{scope}[xshift=-3.8cm]
17131 \fi%
17132 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
17133 \draw (2, -0.3) node[right, text

```



```

17134 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
17135 \if@bidi@todonotes@figposition@right%
17136 \end{scope}
17137 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
17138 \fi%
17139 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
17140 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
17141 \if@bidi@todonotes@figposition@right%
17142 \end{scope}
17143 \fi%
17144 \end{tikzpicture}}\hfill
17145 }% Ending \missingfigure command
17146 \fi % Ending \@todonotes@ifdisabled
17147 \presetkeys%
17148 {todonotes}%
17149 {align=left,%
17150 textdirection=lefttoright,%
17151 figposition=left}{}%

```

7.116 wrapfig-xetex-bidi.def

```

17152 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
17153 \let\WF@everypar\@everypar
17154 \def\WF@putfigmaybe{%
17155 \ifinner
17156 \vskip-\parskip \global\WF@floatfalse
17157 \let\pagetotal\maxdimen % kludge flag for "not top of page"
17158 \else % outer page
17159 \@tempdima\pagedepth % save page depth
17160 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
17161 \penalty\interlinepenalty % update pg. parameters
17162 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
17163 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
17164 \global\WF@floatfalse
17165 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
17166 \else
17167 \ifdim\WF@size>\@tempdimb
17168 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
17169 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
17170 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
17171 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
17172 \advance\dimen@.5\baselineskip
17173 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
17174 \global\WF@floatfalse \pagebreak
17175 \fi
17176 \else % \WF@info{Fits in \the\@tempdimb;}%
17177 \global\WF@floatfalse
17178 \fi\fi
17179 \vskip\@tempdima\relax % (return erased page depth)
17180 \fi

```



```

17181 \noindent
17182 \ifWF@float
17183   \WF@fltmcs
17184 \else % putting here;
17185   \WF@info{Put \WF@wfname here:}%
17186   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
17187     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
17188     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
17189   \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
17190     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
17191     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
17192     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
17193     \xdef\WF@adjlw{\the\@tempdima}%
17194     \ifnum `l=\WF@place % fig on left
17195       \if@RTL%
17196         \kern\@tempdimb \kern\columnsep
17197         \def\@tempa{\hss}% position to left of the gap
17198       \else%
17199         \hss % figure overlaps space to the left
17200         \def\@tempa{\kern\columnsep}% position to left of the gap
17201       \fi%
17202     \else % fig on right
17203       \if@RTL%
17204         \hss
17205         \@tempdima\z@
17206         \def\@tempa{\kern\columnsep}
17207       \else%
17208         \@tempdima\z@ % no left indentation
17209         \kern\@tempdimb \kern\columnsep
17210         \def\@tempa{\hss}% figure overlaps space to the right
17211       \fi%
17212     \fi
17213     \ifdim\@tempdimb<\hsize
17214     \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
17215     \xdef\WF@adjtlm{\the\@tempdima}%
17216   \else
17217     \xdef\WF@wrapil{\z@ \the\hsize}%
17218     \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
17219   \fi
17220   \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
17221     \global\advance\WF@size-\intextsep
17222   \else % \WF@info{Putting \WF@wfname in middle of page}%
17223     \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
17224     \fi \dp\WF@box\z@ \box\WF@box \@tempa
17225   }% end \hbox to 0pt
17226   \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
17227 \fi}

```

7.117 xcolor-xetex-bidi.def



```

17228 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
17229 \long\def\color@b@x#1#2#3%
17230 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
17231 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
17232 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
17233 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
17234 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
17235 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
17236 \DeclareRobustCommand\color
17237 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}
17238 \def\@undeclaredcolor[#1]#2%
17239 {\begingroup
17240 \let\@cls\@empty
17241 \XC@getmodclr12{#1}{#2}{}%
17242 {\ifblendcolors
17243 \ifx\colorblend\@empty\else
17244 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
17245 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
17246 \fi
17247 \fi
17248 \ifconvertcolorsU
17249 \edef\@tmp{\XC@tgt@mod{\@mod}}%
17250 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
17251 \fi
17252 \ifmaskcolors
17253 \convertcolorspec\@mod\@clr\XC@mmod\@clr
17254 \let\@mod\XC@mmod
17255 \XC@inflate\@mod\XC@mclr\@clr\@tmp
17256 \expandafter\XC@mul\@tmp,\@clr
17257 \fi
17258 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
17259 \expandafter\endgroup\@tmp}}
17260 \def\@declaredcolor#1%
17261 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
17262 \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
17263 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
17264 \ifconvertcolorsU\XC@tsttrue\fi
17265 \fi
17266 \ifXC@@tst
17267 \expandafter\XC@declaredcolor\else
17268 \expandafter\XC@declaredcolor\fi}
17269 \def\XC@undeclaredcolor#1#2%
17270 {\@ifundefinedmodel{#1}%
17271 {\c@lor@error{model `#1'}}%
17272 {\@nameuse{color@#1}\current@color{#2}}%
17273 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
17274 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
17275 \def\XC@declaredcolor
17276 {\XC@let@Nc\XC@current@color{\string\color@\XC@tmp}%
17277 \edef\current@color{\XC@current@color}%

```



```

17278 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
17279 \DeclareRobustCommand\bidicolor
17280 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
17281 \def\@bidiundeclaredcolor[#1]#2%
17282 {\begingroup
17283 \let\@cls\@empty
17284 \XC@getmodclr12{#1}{#2}{}%
17285 {\ifblendcolors
17286 \ifx\colorblend\@empty\else
17287 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
17288 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
17289 \fi
17290 \fi
17291 \ifconvertcolorsU
17292 \edef\@tmp{\XC@tgt@mod{\@mod}}%
17293 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
17294 \fi
17295 \ifmaskcolors
17296 \convertcolorspec\@mod\@clr\XC@mmod\@clr
17297 \let\@mod\XC@mmod
17298 \XC@inflate\@mod\XC@mclr\@clr\@tmp
17299 \expandafter\XC@mul\@tmp,\@clr
17300 \fi
17301 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
17302 \expandafter\endgroup\@tmp}}
17303 \def\XC@bidiundeclaredcolor#1#2%
17304 {\@ifundefinedmodel{#1}%
17305 {\color@error{model `#1'}}%
17306 {\@nameuse{color#1}\current@color{#2}%
17307 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
17308 \XC@display}}
17309 \def\@bidideclaredcolor#1%
17310 {\XC@edef\XC@tmp{#1}\XC@tstfalse
17311 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
17312 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
17313 \ifconvertcolorsU\XC@tsttrue\fi
17314 \fi
17315 \if\XC@tst
17316 \expandafter\XC@bidideclaredcolor\else
17317 \expandafter\XC@bidideclaredcolor\fi}
17318 \def\XC@bidideclaredcolor
17319 {\XC@split\XC@tmp
17320 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
17321 \expandafter\endgroup\@tmp}
17322 \def\XC@bidideclaredcolor
17323 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
17324 \edef\current@color{\XC@current@color}%
17325 \XC@display}
17326 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
17327 \def\color@fbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}

```



```

17328 \def\color@fb@x#1#2#3#4%
17329   {\color@b@x{\fb@xsep\z@\bidicolor#1{#2}\XC@fb@x}%
17330    {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}%
17331 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.118 latex-xetex-bidi.def

```

17332 \ProvidesFile{latex-xetex-bidi.def}[2015/11/14 v1.2.4 bidi adaptations for `latex.ltx' for XeTeX]
17333 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
17334 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
17335 \TeXXeTOn
17336 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@\fi\fi}
17337 \let\bidi@o@everypar=\everypar
17338 \newtoks\bidi@n@everypar
17339 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
17340 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
17341 \let\everypar=\bidi@n@everypar
17342 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
17343 \def\moreRE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
17344 \protected\def\hboxR{\hbox\bgroup
17345   \everyhbox{%
17346     \aftergroup\egroup
17347     \everyhbox{}}%
17348   \beginR
17349   \bgroup
17350   \aftergroup\endR
17351   \aftergroup\egroup
17352   }\hbox}
17353 \protected\def\hboxL{\hbox\bgroup
17354   \everyhbox{%
17355     \aftergroup\egroup
17356     \everyhbox{}}%
17357   \beginL
17358   \bgroup
17359   \aftergroup\endL
17360   \aftergroup\egroup
17361   }\hbox}
17362 \protected\def\vboxR{\vbox\bgroup
17363   \everyvbox{%
17364     \aftergroup\egroup
17365     \everyvbox{}}%
17366   \@RTLtrue
17367   \bgroup
17368   \aftergroup\egroup
17369   }\vbox}
17370 \protected\def\vboxL{\vbox\bgroup
17371   \everyvbox{%
17372     \aftergroup\egroup
17373     \everyvbox{}}%
17374   \@RTLfalse

```



```

17375 \bgroup
17376 \aftergroup\egroup
17377 } \vbox}
17378 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
17379 \def\endLTR{\par}
17380 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
17381 \def\endRTL{\par}
17382 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
17383 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
17384 \let\unsetRTL=\setLTR
17385 \let\unsetLTR=\setRTL
17386 \let\LR=\LRE
17387 \let\RL=\RLE
17388 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
17389 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
17390 \let\@ensure@RL=\@ensure@RTL
17391 \let\@ensure@LR=\@ensure@LTR
17392 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
17393 \let\@ensure@maindir=\@ensure@dir
17394 \def\@RTL{RTL}
17395 \def\@LTR{LTR}
17396 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
17397 \def\reset@dir{\ifx\save@@dir\@RTL\setRTL\else\ifx\save@@dir\@LTR\setLTR\else\relax\fi}
17398 \let\@TeX\TeX
17399 \def\TeX{\@ensure@LTR{\@TeX}}
17400 \let\@LaTeX\LaTeX
17401 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
17402 \let\@LaTeXe\LaTeXe
17403 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
17404 \long\def\@bidi@reflect@box#1{%
17405 \leavevmode
17406 \setbox\z@\hbox{{#1}}%
17407 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
17408 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
17409 }
17410 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
17411 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}
17412 \def\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
17413 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}
17414 \let\setRL=\setRTL
17415 \let\setLR=\setLTR
17416 \let\unsetRL=\setLTR
17417 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
17418 \ifpackageloaded{array}{%
17419 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
17420 \leavevmode
17421 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
17422 \let\dollarend\end\group
17423 \@tabarray}
17424 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}

```



```

17425 }{
17426 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
17427 \leavevmode \hbox \bgroup
17428 $\left.\let\@acol\@tabacol
17429 \let\@classz\@tabclassz
17430 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
17431
17432 \def\endbidi@tabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
17433 \egroup\right\rbrace $\egroup
17434 \@RTLtabfalse}
17435 }
17436 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
17437 \ialign{##\hfil$&\quad{##}\hfil\crcr#1\crcr}}\,,\right\}}
17438 \renewenvironment{RTLcases}{%
17439 \bidi@matrix@check\RTLcases\env@RTLcases
17440 }{
17441 \endbidi@tabular@RTLcases%
17442 }
17443 \def\env@RTLcases{%
17444 \let\@ifnextchar\bidi@new@ifnextchar
17445 \def\arraystretch{1.2}%
17446 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
17447 }
17448 \def\SepMark#1{\gdef\@SepMark{\if@RTL\fi#1\if@RTL\fi}}
17449 \SepMark{.}
17450 \def\@thmcountersep{\@SepMark}
17451 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
17452 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
17453 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
17454 \def\list#1#2{%
17455 \ifnum \@listdepth >5\relax
17456 \@toodeep
17457 \else
17458 \global\advance\@listdepth\@ne
17459 \fi
17460 \rightmargin\z@
17461 \listparindent\z@
17462 \itemindent\z@
17463 \csname @list\romannumeral\the\@listdepth\endcsname
17464 \def\@itemlabel{#1}%
17465 \let\makelabel\@mklab
17466 \@nmbrlistfalse
17467 #2\relax
17468 \@trivlist
17469 \parskip\parsep
17470 \parindent\listparindent
17471 \advance\linewidth -\rightmargin
17472 \advance\linewidth -\leftmargin
17473 \if@bidi@list@minipage@parbox
17474 \if@RTL

```




```

17475 \advance\@totalleftmargin \leftmargin
17476 \else
17477 \advance\@totalleftmargin \rightmargin
17478 \fi
17479 \else
17480 \if@RTLtab
17481 \if@bidi@list@minipage@parbox@not@nob
17482 \if@RTL
17483 \advance\@totalleftmargin \rightmargin
17484 \else
17485 \advance\@totalleftmargin \leftmargin
17486 \fi
17487 \else
17488 \if@RTL
17489 \advance\@totalleftmargin \leftmargin
17490 \else
17491 \advance\@totalleftmargin \rightmargin
17492 \fi\fi
17493 \else
17494 \if@RTL
17495 \advance\@totalleftmargin \rightmargin
17496 \else
17497 \advance\@totalleftmargin \leftmargin
17498 \fi\fi\fi
17499 \parshape \@ne \@totalleftmargin \linewidth
17500 \ignorespaces}
17501 \long\def\@iiiparbox#1#2[#3]#4#5{%
17502 \leavevmode
17503 \@pboxswfalse
17504 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
17505 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
17506 \setlength\@tempdima{#4}%
17507 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
17508 \ifx\relax#2\else
17509 \setlength\@tempdimb{#2}%
17510 \edef\@parboxto{to\the\@tempdimb}%
17511 \fi
17512 \if#1b\vbox
17513 \else\if #1t\vtop
17514 \else\ifmmode\vcenter
17515 \else\@pboxswtrue $\vcenter
17516 \fi\fi\fi
17517 \@parboxto{\let\hss\vss\let\unhbox\unvbox
17518 \csname bm#3\endcsname}%
17519 \if@pboxsw \m@th$\fi
17520 \@end@tempboxa}
17521 \def\@bidi@lrbox#1{%
17522 \edef\reserved@a{%
17523 \endgroup
17524 \setbox#1\hbox{%

```



```

17525     \begingroup\aftergroup}%
17526     \def\noexpand\@currentvir{\@currentvir}%
17527     \def\noexpand\@currentvline{\on@line}}%
17528     \reserved@a
17529     \@endpefalse
17530     \color@begingroup
17531     \ignorespaces}
17532 \def\endbidi@lrbox{\unskip\color@endgroup}
17533 \newenvironment{LTRitems}
17534     {\par\@RTLfalse
17535     \if@bidi@list@minipage@parbox
17536     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
17537     \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17538     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
17539     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
17540     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
17541     \ignorespaces}{\vskip\z@}
17542 \newenvironment{RTLitems}
17543     {\par\@RTLtrue
17544     \if@bidi@list@minipage@parbox
17545     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
17546     \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17547     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
17548     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
17549     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
17550     \ignorespaces}{\vskip\z@}
17551 \newenvironment{LTRbibitems}
17552     {\par\@RTLfalse
17553     \if@bidi@list@minipage@parbox
17554     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
17555     \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17556     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
17557     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
17558     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
17559     \ignorespaces}{\vskip\z@}
17560 \newenvironment{RTLbibitems}
17561     {\par\@RTLtrue
17562     \if@bidi@list@minipage@parbox
17563     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
17564     \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17565     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
17566     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
17567     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
17568     \ignorespaces}{\vskip\z@}
17569 \def\raggedright{%
17570     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
17571     \leftskip\z@skip
17572     \parindent\z@\parfillskip\z@skip}
17573 \let\bidi@orig@raggedleft\raggedleft
17574 \let\bidi@orig@raggedright\raggedright

```



```

17575 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@RTLtab\b
17576 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@RTLtab\b
17577 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
17578 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
17579 \def\centerline#1{%
17580 \if@RTL\@@line{\hss\beginR#1\endR\hss}
17581 \else\@@line{\hss#1\hss}\fi}
17582 \def\leftline#1{%
17583 \if@RTL\@@line{\beginR#1\endR\hss}
17584 \else\@@line{#1\hss}\fi}
17585 \def\rightline#1{%
17586 \if@RTL\@@line{\hss\beginR#1\endR}
17587 \else\@@line{\hss#1}\fi}
17588 \let\bidi@orig@leftline\leftline
17589 \let\bidi@orig@rightline\rightline
17590 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
17591 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\i
17592 \def\bidirlap#1{\hb@xt@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
17593 \def\bidillap#1{\hb@xt@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
17594 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
17595 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
17596 \def\narrower{%
17597 \advance\if@RTL\rightright\else\leftskip\fi\parindent
17598 \advance\if@RTL\leftskip\else\rightright\fi\parindent}
17599 \def\underline#1{%
17600 \relax
17601 \ifmmode\@@underline{#1}%
17602 \else
17603 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
17604 \else
17605 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
17606 \ifcompatibility
17607 \let\underline=\underline
17608 \fi
17609 \global\@RTLtabfalse
17610 \def\@tabular{\if@RTL\@RTLtabtrue\fi
17611 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
17612 $\let\@acol\@tabacol
17613 \let\@classz\@tabclassz
17614 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
17615 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17616 \egroup $\if@RTLtab\endR\fi\egroup
17617 \@RTLtabfalse}
17618 \expandafter \let \csname endtabular*\endcsname = \endtabular
17619 \def\@array[#1]#2{%
17620 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
17621 \bgroup
17622 \setbox\@arstrutbox\hbox{%
17623 \vrule \@height\arraystretch\ht\strutbox
17624 \@depth\arraystretch \dp\strutbox

```



```

17625         \@width\z@}%
17626     \@mkpream{#2}%
17627     \edef\@preamble{%
17628         \ialign \noexpand\@halignto
17629         \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17630     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17631     \let\tabularnewline\%
17632     \let\par\@empty
17633     \let\@sharp##%
17634     \set@typeset@protect
17635     \lineskip\z@skip\baselineskip\z@skip
17636     \ifhmode \@preamerr\z@ \@@par\fi
17637     \if@RTLtab\hbox\bgroup\beginR\if #1\vtop \else \vbox \fi\bgroup\fi
17638     \@preamble}
17639 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
17640 \let\@classiv\@arrayclassiv
17641 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
17642 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
17643 \ifnum \@lastchclass=3 5 \else
17644 \z@ \if #1c\@cnum \z@ \else
17645 \if \if@RTLtab#1r\else#1l\fi\@cnum \@ne \else
17646 \if \if@RTLtab#1l\else#1r\fi\@cnum \tw@ \else
17647 \@chclass \if #1|\@ne \else
17648 \if #1|\tw@ \else
17649 \if #1p3 \else \z@ \@preamerr 0\fi
17650 \fi \fi \fi \fi \fi \fi
17651 \fi}
17652 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
17653 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
17654 \def\bm@t{\unhbox\@tempboxa\hss}
17655 \def\bm@b{\hss\unhbox\@tempboxa}
17656 \def\@dottedtocline#1#2#3#4#5{%
17657 \ifnum #1>\c@tocdepth \else
17658 \vskip \z@ \@plus.2\p@
17659 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg \fi
17660 \parindent #2\relax\@afterindenttrue
17661 \interlinepenalty\@M
17662 \leavevmode
17663 \@tempdima #3\relax
17664 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
17665 \fi\fi\nobreak
17666 \leaders\hbox{$\m@th
17667 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
17668 mu$}\hfill
17669 \nobreak
17670 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
17671 \par}%
17672 \fi}
17673 \def\RTL@outputdblcol{%
17674 \if@firstcolumn \global\@firstcolumnfalse

```



```

17675 \global\setbox\@leftcolumn \box\@outputbox
17676 \else \global\@firstcolumntrue
17677 \setbox\@outputbox \vbox {\hbox to\textwidth {%
17678 \hskip \columnwidth
17679 \hfil \vrule width\columnseprule \hfil
17680 \hbox to\columnwidth {\box\@leftcolumn \hss}%
17681 \hskip -\textwidth
17682 \hbox to\columnwidth{\box\@outputbox \hss}%
17683 \hskip \columnsep
17684 \hskip \columnwidth }}%
17685 \@combinedblfloats \@outputpage
17686 \begingroup \@dblfloatplacement \@startdblcolumn
17687 \@whilesw\if@colmade \fi
17688 {\@outputpage \@startdblcolumn }\endgroup
17689 \fi}
17690 \def\LTR@outputdblcol{%
17691   \if@firstcolumn
17692     \global \@firstcolumnfalse
17693     \global \setbox\@leftcolumn \box\@outputbox
17694   \else
17695     \global \@firstcolumntrue
17696     \setbox\@outputbox \vbox {%
17697       \hb@xt@\textwidth {%
17698         \hb@xt@\columnwidth {%
17699           \box\@leftcolumn \hss}%
17700       \hfil
17701       {\normalcolor\vrule \@width\columnseprule}%
17702       \hfil
17703       \hb@xt@\columnwidth {%
17704         \box\@outputbox \hss}%
17705       }%
17706     }%
17707   \@combinedblfloats
17708   \@outputpage
17709   \begingroup
17710     \@dblfloatplacement
17711     \@startdblcolumn
17712     \@whilesw\if@colmade \fi
17713     {\@outputpage
17714       \@startdblcolumn}%
17715   \endgroup
17716   \fi
17717 }
17718 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
17719 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
17720 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
17721 \def\LTRmarginpar{%
17722   \ifhmode
17723     \@bsphack
17724     \@floatpenalty -\@Mii

```



```

17725 \else
17726 \@floatpenalty-\@Miii
17727 \fi
17728 \ifinner
17729 \@parmoderr
17730 \@floatpenalty\z@
17731 \else
17732 \@next\@currbox\@freelist{}\}%
17733 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
17734 {\@floatpenalty\z@
17735 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
17736 \fi
17737 \@ifnextchar [\@LTRxmpar\@LTRympar}
17738 \long\def\@LTRxmpar[#1]#2{%
17739 \@LTRsavemarbox\@marbox{#1}%
17740 \@LTRsavemarbox\@currbox{#2}%
17741 \@xympar}
17742 \long\def\@LTRympar#1{%
17743 \@LTRsavemarbox\@marbox{#1}%
17744 \global\setbox\@currbox\copy\@marbox
17745 \@xympar}
17746 \long\def \@LTRsavemarbox #1#2{%
17747 \global\setbox #1%
17748 \color@vbox
17749 \vtop{%
17750 \hsize\marginparwidth
17751 \@parboxrestore
17752 \@LTRmarginparreset
17753 #2%
17754 \@minipagefalse
17755 \outer@nobreak
17756 }%
17757 \color@endbox
17758 }
17759 \def \@LTRmarginparreset {%
17760 \reset@font
17761 \normalsize
17762 \@minipagetrue
17763 \everypar{\@minipagefalse\everypar{}\beginL}%
17764 }
17765 \def\RTLmarginpar{%
17766 \ifhmode
17767 \@bsphack
17768 \@floatpenalty -\@Mii
17769 \else
17770 \@floatpenalty-\@Miii
17771 \fi
17772 \ifinner
17773 \@parmoderr
17774 \@floatpenalty\z@

```



```

17775 \else
17776   \@next\@currbox\@freelist{}\}%
17777   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
17778   {\@floatpenalty\z@
17779   \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
17780 \fi
17781 \@ifnextchar [\@RTLxmpar\@RTLympar]
17782 \long\def\@RTLxmpar[#1]#2{%
17783   \@RTLSavemarbox\@marbox{#1}%
17784   \@RTLSavemarbox\@currbox{#2}%
17785   \@xympar}
17786 \long\def\@RTLympar#1{%
17787   \@RTLSavemarbox\@marbox{#1}%
17788   \global\setbox\@currbox\copy\@marbox
17789   \@xympar}
17790 \long\def \@RTLSavemarbox #1#2{%
17791   \global\setbox #1%
17792   \color@vbox
17793   \vtop{%
17794     \hsize\marginparwidth
17795     \@parboxrestore
17796     \@RTLmarginparreset
17797     #2%
17798     \@minipagefalse
17799     \outer@nobreak
17800   }%
17801   \color@endbox
17802 }
17803 \def \@RTLmarginparreset {%
17804   \reset@font
17805   \normalsize
17806   \@minipagetrue
17807   \everypar{\@minipagefalse\everypar{}\beginR}%
17808 }
17809 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
17810   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
17811   \if@twocolumn
17812     \if@firstcolumn \@tempcnta\m@ne \fi
17813   \else
17814     \if@mparswitch
17815       \ifodd\c@page \else\@tempcnta\m@ne \fi
17816     \fi
17817     \if@reversemargin \@tempcnta -\@tempcnta \fi
17818   \fi
17819   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
17820   \@tempdima\@mparbottom
17821   \advance\@tempdima -\@pageht
17822   \advance\@tempdima\ht\@marbox
17823   \ifdim\@tempdima >\z@
17824     \@latex@warning@no@line {Marginpar on page \thepage\space moved}%

```



```

17825 \else
17826 \tempdima\z@
17827 \fi
17828 \global\@mparbottom\@pageht
17829 \global\advance\@mparbottom\tempdima
17830 \global\advance\@mparbottom\dp\@marbox
17831 \global\advance\@mparbottom\marginparpush
17832 \advance\tempdima -\ht\@marbox
17833 \global\setbox \@marbox
17834 \vbox {\vskip \tempdima
17835 \box \@marbox}%
17836 \global \ht\@marbox \z@
17837 \global \dp\@marbox \z@
17838 \kern -\@pagedp
17839 \nointerlineskip
17840 \hbxt\columnwidth
17841 {\ifRTL\ifLTRmarginpar\beginL\else\beginR\fi\else\ifRTLmarginpar\beginR\else\beginL\fi
17842 \hskip\columnwidth \hskip\marginparsep
17843 \else
17844 \hskip -\marginparsep \hskip -\marginparwidth
17845 \fi
17846 \box\@marbox \hss\ifRTL\ifLTRmarginpar\endL\else\endR\fi\else\ifRTLmarginpar\endR\else
17847 \nointerlineskip
17848 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
17849 \long\def\ympar#1{%
17850 \@savemarbox\@marbox{\ifRTL\ifLTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\ifRTLmarginpar
17851 \global\setbox\@currbox\copy\@marbox
17852 \@xympar}
17853 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
17854 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
17855 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
17856 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
17857 \tempdima\@totalleftmargin \advance\tempdima\linewidth
17858 \hbox to\tempdima{\ifRTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
17859 \box\@curline\hfil\box\@curfield\ifRTL\endR\fi}\else\@addfield
17860 \hbox to\linewidth{\ifRTL\beginR\fi\@itemfudge
17861 \hskip\dimen\@curtabmar\box\@curline\hfil\ifRTL\endR\fi}%
17862 \fi}
17863 \def\@outputpage{%
17864 \begingroup % the \endgroup is put in by \aftergroup
17865 \let \protect \noexpand
17866 \resetactivechars
17867 \global\let\@if@newlist\if@newlist
17868 \global\@newlistfalse
17869 \parboxrestore
17870 \shipout \vbox{%
17871 \set@typeset@protect
17872 \aftergroup \endgroup
17873 \aftergroup \set@typeset@protect
17874 % correct? or just restore by ending

```




```

17875                                     % the group?
17876 \if@specialpage
17877   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
17878 \fi
17879 \if@twoside
17880   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
17881     \let\@themargin\oddsidemargin
17882   \else \let\@thehead\@evenhead
17883     \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
17884   \fi
17885   \ifx\@thehead\@empty \let\@thehead\hfil \fi
17886   \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
17887   \else %% not @twoside
17888     \ifx\@oddhead\@empty \let\@thehead\hfil \fi
17889     \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
17890   \fi
17891 \reset@font
17892 \normalsize
17893 \normalsfcodes
17894 \let\label\@gobble
17895 \let\index\@gobble
17896 \let\glossary\@gobble
17897 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
17898 \@begindvi
17899 \vskip \topmargin
17900 \moveright\@themargin \vbox {%
17901   \setbox\@tempboxa \vbox to\headheight{%
17902     \vfil
17903     \color@hbox
17904     \normalcolor
17905     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLmain\@RTLtrue\endR\else\@RTLfalse\endL\fi}%
17906     \color@endbox
17907   }%
17908   \dp\@tempboxa \z@
17909   \box\@tempboxa
17910   \vskip \headsep
17911   \box\@outputbox
17912   \baselineskip \footskip
17913   \color@hbox
17914   \normalcolor
17915   \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLmain\@RTLtrue\endR\else\@RTLfalse\endL\fi}%
17916   \color@endbox
17917 }%
17918 }%
17919 \global\let\if@newlist\@if@newlist
17920 \global \@colht \textheight
17921 \stepcounter{page}%
17922 \let\firstmark\botmark
17923 }
17924 \long\def\@makecaption#1#2{%

```



```

17925 \vskip\abovecaptionskip
17926 \sbox\@tempboxa{#1: #2}%
17927 \ifdim \wd\@tempboxa >\hsiz
17928 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
17929 \else
17930 \global \@minipagefalse
17931 \hb@xt@\hsiz{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
17932 \fi
17933 \vskip\belowcaptionskip}
17934 \let\@bidi@sav@eqno=\eqno
17935 \let\@bidi@sav@leqno=\leqno
17936 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@leqno \else \@bidi@sav@eqno \fi}
17937 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@eqno \else \@bidi@sav@leqno \fi}
17938 \ifpackageloaded{amsmath}{}{
17939 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
17940 }
17941 \input{footnote-xetex-bidi.def}
17942 \if@twocolumn
17943 \let\autofooterule\relax
17944 \let\leftfootnoterule\relax
17945 \let\rightfootnoterule\relax
17946 \textwidthfootnoterule
17947 \fi
17948 \if@bidi@csundef{\@idxitem}{}{
17949 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
17950 }
17951 \ifclassloaded{article}{\ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
17952 \ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
17953 \ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
17954 \ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
17955 \ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
17956 \ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
17957 \ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
17958 \ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
17959 \ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
17960 \ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
17961 \ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
17962 \ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
17963 \ifclassloaded{report}{\ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
17964 \ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
17965 \ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
17966 \ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
17967 \ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
17968 \ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
17969 \ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
17970 \ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
17971 \ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
17972 \ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
17973 \ifclassloaded{book}{\ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
17974 \ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}

```



```

17975 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
17976 \@ifpackageloaded{amsmath}{}{}
17977 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
17978 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
17979 }
17980 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
17981 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
17982 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
17983 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
17984 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
17985 \@ifpackagewith{algorithm2e}{algonl}{%
17986 \renewcommand{\theAlgoLine}{\expandafter\cname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}
17987 }{}
17988 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
17989 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
17990 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
17991 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
17992 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
17993 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
17994 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
17995 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
17996 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
17997 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
17998 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
17999 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
18000 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
18001 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
18002 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
18003 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
18004 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
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7.119 xltextra-xetex-bidi.def

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18083 \let\@XeLaTeX\XeLaTeX
18084 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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v13.9	General: Added implementaion of the package.	lot, lof, etc with multicol package. 283
v14.2	General: Fixed the wrong order of toc,	
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