



# The XePersian *Package*

Documentation for *version 15.9*

*to my Master, Ferdowsi The Great*

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<https://github.com/persian-tex/xepersian/issues>

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

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# The XePersian *Package*

## Persian for $\text{\LaTeX}$ 2 $\epsilon$ , using Xe $\text{\TeX}$ engine

Documentation for [version 15.9](#)

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## 1 Introduction

XePersian is a package for typesetting Persian/English documents with Xe $\LaTeX$ . The package includes adaptations for use with many other commonly-used packages.

### 1.1 Important Notes

- ☞ The XePersian package only works with Xe $\TeX$  engine.
- ☞ Before reading this documentation, you should have read the documentation of the bidi package. The XePersian package automatically loads bidi package with `RTLdocument` option enabled and hence any commands that bidi package offers, is also available in XePersian package. Here, in this documentation, we will not repeat any of bidi package's commands.
- ☞ In previous versions ( $\leq 1.0.3$ ) of XePersian, a thesis class provided for typesetting thesis. As of version 1.0.4, we no longer provide this class because we are not familiar with specification of a thesis in Iran and even if we were, the specifications are different from University to University. XePersian is a general package like  $\LaTeX$  and should not provide any class for typesetting thesis. So if you really want to have a class file for typesetting thesis, then you should ask your University/department to write one for you.

### 1.2 XePersian Info On The Terminal and In The Log File

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

```
*****
*
* xepersian package (Persian for LaTeX, using XeTeX engine)
*
* Description: The package supports Persian
* typesetting, using fonts provided in the
* distribution.
*
* Copyright (c) 2008--2015 Vafa Khalighi
*
* v15.9, 2015/02/01
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/persian-tex/xepersian/issues
```



\*  
 \* Support: [persian-tex@tug.org](mailto:persian-tex@tug.org)  
 \*\*\*\*\*

## 2 Basics

### 2.1 Loading The Package

You can load the package in the ordinary way;

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

Where options of the package are explained later in [subsection 2.4](#).

When loading the package, it is important to know that:

- ❶ xepersian should be the last package that you load, because otherwise you are certainly going to overwrite bidi and XePersian package's definitions and consequently, you will not get the expected output.

- ❷ In fact, in addition to bidi, XePersian also makes sure that some specific packages are loaded before bidi and XePersian; these are those packages that bidi and XePersian modifies them for bidirectional and Persian/English typesetting.

If you load XePersian before any of these packages, then you will get an error saying that you should load XePersian or bidi as your last package. When it says that you should load bidi package as your last package, it really means that you should load XePersian as your last package as bidi package is loaded automatically by XePersian package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{xepersian}
3 \usepackage{enumerate}
4 \settextfont{XB Niloofar}
5 \begin{document}
6 این فقط یک آزمایش است
7 \end{document}
```

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

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

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



```
...
1.5 \begin{document}
?
```

## 2.2 XePersian's Symbol

As you may know lion symbolizes T<sub>E</sub>X but lion does not symbolizes XePersian. **Simorgh**<sup>1</sup> (shown on the first page of this documentation) symbolizes XePersian.

## 2.3 Commands for Version number, and Date of The Package

```
\xepersianversion \xepersiandate
```

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

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

```
1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \begin{document}
5 \begin{latin}
6 This is typeset by \textsf{\XePersian} package, \xepersianversion,
7 \xepersiandate.
8 \end{latin}
9 \end{document}
```

## 2.4 Options of The Package

There are few options:

### 2.4.1 defaultlatinfontfeatures Option

```
defaultlatinfontfeatures=<value>
```

The `defaultlatinfontfeatures` option allows you to pass font features to the main Latin font. `<value>` is a set of font features.

### 2.4.2 extrafootnotefeatures Option

This is just the `extrafootnotefeatures` Option of `bidi` package. If you enable this option, you can typeset footnotes in paragraph form or in multi-columns (from two-columns to ten-columns). For more details, please read the manual of `bidi` package.

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



### 2.4.3 Kashida Option

If you pass Kashida option to the package, you will use Kashida for stretching words for better output quality and getting rid of underfull or overfull `\hbox` messages. Note that you can not use Kashida option when you are using Nastaliq-like font (well, you still can use Kashida option when you use any Nastaliq-like font, but I can not guarantee high quality output!).

The following two commands are provided when you activate the Kashida option:

`\KashidaOn`   `\KashidaOff`

☞ `\KashidaOn` enables Kashida and is active by default when Kashida option is activated.

☞ `\KashidaOff` disables Kashida.

### 2.4.4 quickindex Option

When you generally want to prepare index for your Persian documents, you need to first run `xelatex`, then `xindy`, and again `xelatex` on your document respectively, which is very time consuming. The `quickindex` option gives you the index with only and only one run of `xelatex`. To use this feature, you will need to run `xelatex --shell-escape` on your  $\TeX$  document; otherwise you get an error which indicates that shell scape (or `write18`) is not enabled.

This option is now obsolete and equivalent to `quickindex-variant2` option.

### 2.4.5 quickindex-variant1 Option

Same as `quickindex` Option but uses variant one (in which  $\bar{t}$  is grouped under  $l$ ) for sorting Persian alphabets.

### 2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which  $\bar{t}$  is a separate letter) for sorting Persian alphabets.

### 2.4.7 localise Option

This option allows you to use most frequently-used  $\LaTeX$  commands and environments in Persian, almost like what  $\TeX$ -e-Parsi offers. This is still work in progress and we wish to add lots more Persian equivalents of  $\LaTeX$  and  $\TeX$  commands and environments. The Persian equivalents of  $\LaTeX$  and  $\TeX$  commands are shown in [Table 1](#), The Persian equivalents of XePersian commands are shown in [Table 2](#), Persian equivalents of  $\LaTeX$  environments are shown in [Table 3](#) and Persian equivalents of XePersian environments are shown in [Table 4](#)



Please note that the Persian equivalents of  $\LaTeX$  and  $\TeX$  commands and environments are only available after loading xepersian package. This means that you have to write all commands or environments that come before `\usepackage{xepersian}`, in its original form, i.e. `\documentclass`.

Not only you can use Persian equivalents of  $\LaTeX$  and  $\TeX$  commands and environments, but still original  $\LaTeX$  and  $\TeX$  commands and environments work too.

The  $\TeX$   $\LaTeX$  and XePersian commands and environments and their Persian equivalents listed in Table 1, Table 2, Table 3 and Table 4 is not the whole story; If any command and environment in Table 1, Table 2, Table 3 and Table 4 have a starred version, their starred version also work. For example in Table 1, the Persian equivalent of `\chapter` is `فصل`. I know that `\chapter` has a starred version, so this means `*فصل` is also the Persian equivalent of `\chapter*`. Is that clear?

However there is more; you can localise any other commands/environments you want. You can use the following commands to localise your own commands/environments:

```
\eqcommand{<command-name in Persian>}{<original LaTeX command-name>}
\eqenvironment{<environment-name in Persian>}{<original LaTeX environment-name>}
```

Table 1: The Equivalent  $\LaTeX$  and  $\TeX$  Commands

Command in $\TeX$ or $\LaTeX$	Equivalent Persian Command
<code>\@arstrut</code>	<code>\شمع جدول</code>
<code>\above</code>	<code>\فوق</code>
<code>\abovedisplaysshortskip</code>	<code>\فاصله کوتاه بالای نمایش</code>
<code>\abovedisplayskip</code>	<code>\فاصله بالای نمایش</code>
<code>\abstractname</code>	<code>\عنوان چکیده</code>
<code>\accent</code>	<code>\اکسنت</code>
<code>\active</code>	<code>\فعال</code>
<code>\addcontentsline</code>	<code>\بیفزاسطر فهرست</code>
<code>\addpenalty</code>	<code>\اضافه بر جریمه</code>
<code>\address</code>	<code>\نشانی</code>
<code>\addtocontents</code>	<code>\بیفزابه فهرست</code>
<code>\addtocounter</code>	<code>\اضافه بر شمارنده</code>
<code>\addtolength</code>	<code>\اضافه بر بعد</code>
<code>\addvspace</code>	<code>\بیفزافضای و</code>
<code>\adjdemerits</code>	<code>\تنظیم بدنمایی</code>
<code>\advance</code>	<code>\بیفزابر</code>
<code>\afterassignment</code>	<code>\بعد از انتساب</code>
<code>\aftergroup</code>	<code>\بعد از گروه</code>
<code>\aleph</code>	<code>\الف</code>
<code>\aliasfontfeature</code>	<code>\خصیصه مستعار قلم</code>
<code>\aliasfontfeatureoption</code>	<code>\انتخاب خصیصه مستعار قلم</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\allowbreak	\شکستی
\alloc@	\تخصی@
\allocationnumber	\تخصیص یافته
\allowdisplaybreaks	\شکست نمایش مجاز
\Alph	\حروف بزرگ
\alph	\حروف کوچک
\alsomame	\نام همچنین
\and	\و
\angle	\زاویه
\appendixname	\عنوان پیوست
\approx	\تقریب
\arabic	\عربی
\arg	\آرگ
\arrayrulecolor	\رنگ خط جدول
\arraycolsep	\فاصله ستونهای آرایه
\arrayrulewidth	\ضخامت خط جدول
\arraystretch	\کشیدگی آرایه
\AtBeginDocument	\در آغاز نوشتار
\AtEndDocument	\در پایان نوشتار
\AtEndOfClass	\در انتهای طبقه
\AtEndOfPackage	\در انتهای سبک
\author	\نویسنده
\backmatter	\مطلب پشت
\backslash	\شکاف پشت
\badness	\بدنمایی
\bar	\میل
\baselineskip	\فاصله کرسی
\baselinestretch	\کشش فاصله کرسی
\batchmode	\پردازش دسته ای
\begin	\شروع
\beginL	\شروع چپ
\beginR	\شروع راست
\begingroup	\شروع گروه
\belowdisplayshortskip	\فاصله کوتاه پایین نمایش
\belowdisplayskip	\فاصله پایین نمایش
\bf	\سیاه
\bfdefault	\پیش فرض سیاه
\bfseries	\شمایل سیاه
\bgroup	\شرگروه
\bibitem	\مرجوع

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\bibliography</code>	\کتاب نامه
<code>\bibliographystyle</code>	\سبک کتاب نامه
<code>\bibname</code>	\عنوان کتاب نامه
<code>\bigskip</code>	\پرش بلند
<code>\bigskipamount</code>	\مقدار پرش بلند
<code>\botfigrule</code>	\خط پایین شناور
<code>\botmark</code>	\علامت پایین
<code>\bottompageskip</code>	\کادر تا پایین
<code>\bottomfraction</code>	\نسبت پایین
<code>\box</code>	\کادر
<code>\boxmaxdepth</code>	\حد اکثر عمق کادر
<code>\break</code>	\شکن
<code>\bullet</code>	\گلوله
<code>@cclv</code>	\دوپن@پنج
<code>@ccclvi</code>	\دوپن@شش
<code>\caption</code>	\شرح
<code>\catcode</code>	\کدرده
<code>\cc</code>	\رونوشت
<code>\ccname</code>	\نام رونوشت
<code>\cdot</code>	\نقطه وسط
<code>\cdots</code>	\نقاط وسط
<code>\centering</code>	\تنظیم از وسط
<code>\centerline</code>	\خط وسط
<code>\ch@ck</code>	\چک@ن
<code>\chapter</code>	\فصل
<code>\chaptername</code>	\عنوان فصل
<code>\char</code>	\نویسه
<code>\chardef</code>	\تعریف نویسه
<code>\CheckCommand</code>	\برسی فرمان
<code>\cite</code>	\مرجع
<code>\ClassError</code>	\خطای طبقه
<code>\ClassInfo</code>	\اطلاع طبقه
<code>\ClassWarning</code>	\هشدار طبقه
<code>\ClassWarningNoLine</code>	\هشدار طبقه بی سطر
<code>\cleaders</code>	\نشانگر مرکزی
<code>\cleardoublepage</code>	\دو صفحه پاک
<code>\clearpage</code>	\صفحه پاک
<code>\cline</code>	\خط ناپر
<code>\closein</code>	\ببندورودی
<code>\closeout</code>	\ببند خروجی

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\closing</code>	\بستن
<code>\clubpenalty</code>	\جریمه سر بند
<code>\clubsuit</code>	\خاج
<code>\colbotmark</code>	\علامت پایین ستون اول
<code>\colfirstmark</code>	\علامت اول ستون اول
<code>\color</code>	\رنگ
<code>\colorbox</code>	\کادر رنگ
<code>\coltopmark</code>	\علامت بالای ستون اول
<code>\columncolor</code>	\رنگ ستون
<code>\columnsep</code>	\بین ستون
<code>\columnwidth</code>	\پهنای ستون
<code>\columnseprule</code>	\خط بین ستون
<code>\contentsline</code>	\سطر فهرست
<code>\contentsname</code>	\عنوان فهرست مطالب
<code>\copy</code>	\کپی
<code>\copyright</code>	\حق تالیف
<code>\count</code>	\شمار
<code>\count@</code>	\شمار@
<code>\countdef</code>	\تعریف شمار
<code>\cr</code>	\سخ
<code>\crr</code>	\سخ سخ
<code>\csname</code>	\نام فرمان
<code>\CurrentOption</code>	\گزینه جاری
<code>\dashbox</code>	\کادر بینابین
<code>\dashv</code>	\بینابین ع
<code>\@date</code>	\@تاریخ
<code>\date</code>	\تاریخ
<code>\day</code>	\روز
<code>\dblbotfigrule</code>	\خط پایین شناور پهن
<code>\dblbottomfraction</code>	\نسبت پهن پایین
<code>\dblfigrule</code>	\خط بالای شناور پهن
<code>\dblfloatpagefraction</code>	\نسبت صفحه شناور پهن
<code>\dblfloatsep</code>	\فاصله بین شناور پهن
<code>\dblftntlocatcode</code>	\کد مکان غیرهما نطور
<code>\dbltextfloatsep</code>	\فاصله متن و شناور پهن
<code>\dbltopfraction</code>	\نسبت پهن بالا
<code>\DeclareFixedFont</code>	\اعلان قلم ثابت
<code>\DeclareGraphicsExtensions</code>	\اعلان پسوند گرافیک
<code>\DeclareGraphicsRule</code>	\اعلان دستور گرافیک
<code>\DeclareOldFontCommand</code>	\اعلان فرمان قلم قدیمی

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\DeclareOption</code>	<code>\اعلان گزینه</code>
<code>\DeclareRobustCommand</code>	<code>\اعلان فرمان قوی</code>
<code>\DeclareSymbolFont</code>	<code>\اعلان قلم علائم</code>
<code>\deadcycles</code>	<code>\دور بسته</code>
<code>\def</code>	<code>\تر</code>
<code>\define@key</code>	<code>\تعریف@کلید</code>
<code>\definecolor</code>	<code>\تعریف رنگ</code>
<code>\deg</code>	<code>\درجه</code>
<code>\delcode</code>	<code>\کد جداساز</code>
<code>\delimiter</code>	<code>\جداساز</code>
<code>\delimiterfactor</code>	<code>\ضریب جداساز</code>
<code>\depth</code>	<code>\گودی</code>
<code>\diamondsuit</code>	<code>\خشت</code>
<code>\dim</code>	<code>\بعد</code>
<code>\dimen</code>	<code>\بعد</code>
<code>\dimen@</code>	<code>\بعد@</code>
<code>\dimen@i</code>	<code>\بعد@یک</code>
<code>\dimen@ii</code>	<code>\بعد@دو</code>
<code>\dimendef</code>	<code>\تعریف بعد</code>
<code>\discretionary</code>	<code>\تیره گذاری</code>
<code>\displaybreak</code>	<code>\شکست نمایش</code>
<code>\displayindent</code>	<code>\تورفتگی نمایش</code>
<code>\displaystyle</code>	<code>\سبک نمایش</code>
<code>\displaywidth</code>	<code>\عرض نمایش</code>
<code>\divide</code>	<code>\تقسیم</code>
<code>\documentclass</code>	<code>\طبقه نوشتار</code>
<code>\do</code>	<code>\کن</code>
<code>\dospecials</code>	<code>\تعویض کدها</code>
<code>\dot</code>	<code>\نقطه</code>
<code>\doteq</code>	<code>\نقطه مساوی</code>
<code>\dotfill</code>	<code>\پر نقطه</code>
<code>\dots</code>	<code>\نقاط</code>
<code>\doublebox</code>	<code>\کادر دولا</code>
<code>\doublerulesepcolor</code>	<code>\رنگ فاصله دو خط جدول</code>
<code>\doublerulesep</code>	<code>\فاصله بین دو خط</code>
<code>\downarrow</code>	<code>\فلش پایین</code>
<code>\dp</code>	<code>\عمق</code>
<code>\dump</code>	<code>\تخلیه</code>
<code>\edef</code>	<code>\ترگ</code>
<code>\egroup</code>	<code>\پا گروه</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\eject	\انتهای فاصله
\else	\اگر نه
\em	\تاکید
\emergencystretch	\کشش لاجرم
\emph	\موکد
\@empty	\@پوچ
\empty	\پوچ
\emptyset	\مجموعه پوچ
\end	\پایان
\endL	\پایان چپ
\endR	\پایان راست
\endcsname	\پایان نام فرمان
\endfirsthead	\پایان اولین سر
\endfoot	\پایان پا
\endgraf	\ته بند
\endgroup	\پایان گروه
\endhead	\پایان سر
\endinput	\پایان ورودی
\endlastfoot	\پایان آخرین پا
\enlargethispage	\گسترش این صفحه
\endline	\ته سطر
\endlinechar	\نویسه ته سطر
\enspace	\ان دوری
\enskip	\ان فاصله
\eqcommand	\فرمان جانشین
\eqenvironment	\محیط جانشین
\eqref	\ارجاع فر
\errhelp	\کمک خطا
\errmessage	\پیام خطا
\errorcontextlines	\سطر متن خطا
\errorstopmode	\پردازش توقف خطا
\escapechar	\نویسه ویژه
\euro	\یورو
\evensidemargin	\حاشیه زوج
\everycr	\هرسخ
\everydisplay	\هرنمایش
\everyhbox	\هرکادرا
\everyjob	\هرکار
\everymath	\هرریاضی
\everypar	\هربند

*Continued on next page*



### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

<code>\everyvbox</code>	<code>\هرکادرو</code>
<code>\ExecuteOptions</code>	<code>\اجرای گزینه ها</code>
<code>\exhyphenpenalty</code>	<code>\جریمه اضافی تیره بندی</code>
<code>\expandafter</code>	<code>\بگستر پس از</code>
<code>\extracolsep</code>	<code>\فاصله اضافی بین ستونها</code>
<code>\@firstofone</code>	<code>\@اولی از یک</code>
<code>\@firstoftwo</code>	<code>\@اولی از دو</code>
<code>\f@ur</code>	<code>\چ@ار</code>
<code>\fam</code>	<code>\خانواده</code>
<code>\fancy page</code>	<code>\صفحه تجملی</code>
<code>\fbox</code>	<code>\کادر با</code>
<code>\fboxrule</code>	<code>\ضخامت کادر با</code>
<code>\fboxsep</code>	<code>\حاشیه کادر با</code>
<code>\fcolorbox</code>	<code>\کادر با رنگ</code>
<code>\fi</code>	<code>\رگ</code>
<code>\figurename</code>	<code>\عنوان شکل</code>
<code>\filbreak</code>	<code>\پر شکن</code>
<code>\fill</code>	<code>\پر</code>
<code>\firstmark</code>	<code>\علامت اول</code>
<code>\flat</code>	<code>\پهن</code>
<code>\floatpagefraction</code>	<code>\نسبت صفحه شناور</code>
<code>\floatingpenalty</code>	<code>\جریمه شناور</code>
<code>\floatsep</code>	<code>\فاصله بین شناور</code>
<code>\flushbottom</code>	<code>\تنظیم از پایین</code>
<code>\fmtname</code>	<code>\شکل بندی</code>
<code>\fmtversion</code>	<code>\رده شکل بندی</code>
<code>\fnsymbol</code>	<code>\نشانه</code>
<code>\font</code>	<code>\قلم</code>
<code>\fontdimen</code>	<code>\بعد قلم</code>
<code>\fontencoding</code>	<code>\رمزینه قلم</code>
<code>\fontfamily</code>	<code>\فامیل قلم</code>
<code>\fontname</code>	<code>\نام قلم</code>
<code>\fontseries</code>	<code>\شمار قلم</code>
<code>\fontshape</code>	<code>\شکل قلم</code>
<code>\fontsize</code>	<code>\اندازه قلم</code>
<code>\footheight</code>	<code>\بلندای پایین صفحه</code>
<code>\footins</code>	<code>\درج زیر نویس</code>
<code>\footnote</code>	<code>\زیر نویس</code>
<code>\footnotemark</code>	<code>\علامت زیر نویس</code>
<code>\footnoterule</code>	<code>\خط زیر نویس</code>

*Continued on next page*



# Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

\footnotesep	\فاصله تازیرنویس
\footnotesize	\اندازه زیرنویس
\footnotetext	\متن زیرنویس
\footskip	\فاصله تا پایین صفحه
\frame	\فریم
\framebox	\کادر با خط
\frenchspacing	\فواصل یکنواخت لاتین
\frontmatter	\مطلب پیش
\futurelet	\بعد بگذار
\@gobble	\@خورجریصانه
\@gobbletwo	\@خورجریصانه دو
\@gobblefour	\@خورجریصانه چهار
\@gtempa	\@عاقبت آ
\@gtempb	\@عاقبت ب
\gdef	\ترع
\GenericInfo	\الگوی اطلاع
\GenericWarning	\الگوی هشدار
\GenericError	\الگوی خطا
\global	\عام
\globaldefs	\تعاریف عام
\glossary	\لغت نامه
\glossaryentry	\فقره فرهنگ
\goodbreak	\خوش شکن
\graphpaper	\کاغذگراف
\guillemotleft	\گیومه چپ
\guillemotright	\گیومه راست
\guilsinglleft	\گیومه تکی چپ
\guilsinglright	\گیومه تکی راست
\halign	\ردیف ا
\hang	\بروتو
\hangafter	\بعد از سطر
\hangindent	\تورفتگی ثابت
\hbadness	\بدنمایی ا
\hbox	\کادرا
\headheight	\بلندای سرصفحه
\headsep	\فاصله از سرصفحه
\headtoname	\سربه نام
\heartsuit	\دل
\height	\بلندا
\hfil	\پرا

*Continued on next page*



# Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

<code>\hfill</code>	<code>\پرا</code>
<code>\hfilneg</code>	<code>\رفع پرا</code>
<code>\hfuzz</code>	<code>\پرزاقی</code>
<code>\hideskip</code>	<code>\فاصله مخفی</code>
<code>\hidewidth</code>	<code>\عرض پنهان</code>
<code>\hline</code>	<code>\خط پر</code>
<code>\hoffset</code>	<code>\حاشیه ا</code>
<code>\holdinginserts</code>	<code>\حفظ درج</code>
<code>\hrboxsep</code>	<code>\فاصله اگر</code>
<code>\hrule</code>	<code>\خط ا</code>
<code>\hrulefill</code>	<code>\پرخط ا</code>
<code>\hsize</code>	<code>\طول سطر</code>
<code>\hskip</code>	<code>\فاصله ا</code>
<code>\hspace</code>	<code>\فضای ا</code>
<code>\hss</code>	<code>\هر دو</code>
<code>\ht</code>	<code>\ارتفاع</code>
<code>\huge</code>	<code>\بزرگ</code>
<code>\Huge</code>	<code>\بزرگ تر</code>
<code>\hyperlink</code>	<code>\ابر پیوند</code>
<code>\hypersetup</code>	<code>\بارگذاری ابر</code>
<code>\hypertarget</code>	<code>\هدف ابر</code>
<code>\hyphenation</code>	<code>\تیره بندی</code>
<code>\hyphenchar</code>	<code>\نویسه تیره</code>
<code>\hyphenpenalty</code>	<code>\جریمه تیره بندی</code>
<code>\@ifclassloaded</code>	<code>\@گر کلاس فراخوانی شده</code>
<code>\@ifdefinable</code>	<code>\@گر ترشدنی</code>
<code>\@ifnextchar</code>	<code>\@گر نویسه بعدی</code>
<code>\@ifpackageloaded</code>	<code>\@گر سبک فراخوانی شده</code>
<code>\@ifstar</code>	<code>\@گر ستاره</code>
<code>\@ifundefined</code>	<code>\@گر تعریف نشده</code>
<code>\if</code>	<code>\گر</code>
<code>\if@tempw</code>	<code>\گر@سواقت آ</code>
<code>\ifcase</code>	<code>\گرانواع</code>
<code>\ifcat</code>	<code>\گررده</code>
<code>\ifdefined</code>	<code>\گر تعریف شده</code>
<code>\ifdim</code>	<code>\گر بعد</code>
<code>\ifeof</code>	<code>\گرته پرونده</code>
<code>\iff</code>	<code>\گر</code>
<code>\iffalse</code>	<code>\گر نادرست</code>
<code>\IfFileExists</code>	<code>\گر پرونده موجود</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\ifhbox</code>	\گرکادرا
<code>\ifhmode</code>	\گرحالت ا
<code>\ifinner</code>	\گردرونی
<code>\ifmmode</code>	\گرحالت ریاضی
<code>\ifnum</code>	\گرعدد
<code>\ifodd</code>	\گرفرد
<code>\ifthenelse</code>	\گرآنگاه دیگر
<code>\iftrue</code>	\گردرست
<code>\ifvbox</code>	\گرکادرو
<code>\ifvmode</code>	\گرحالت و
<code>\ifvoid</code>	\گرتهی
<code>\ifx</code>	\گرنام
<code>\ignorespaces</code>	\فاصله خالی رانده بگير
<code>\immediate</code>	\فوری
<code>\include</code>	\شامل
<code>\includegraphics</code>	\درج تصویر
<code>\includeonly</code>	\مشمولین
<code>\indent</code>	\تورفتگی
<code>\index</code>	\درنمایه
<code>\indexentry</code>	\استعلام
<code>\indexname</code>	\عنوان نمایه
<code>\indexspace</code>	\فاصله رهنما
<code>\input</code>	\ورودی
<code>\InputIfFileExists</code>	\ورودپرونده گرموجود
<code>\inputlineno</code>	\شماره سطرورودی
<code>\insert</code>	\درج
<code>\insertpenalties</code>	\جریمه درج
<code>\interfootnotelinepenalty</code>	\جریمه بین سطرهای زیرنویس
<code>\interdisplaylinepenalty</code>	\جریمه بین سطرهای نمایش
<code>\interlinepenalty</code>	\جریمه بین سطرها
<code>\intertext</code>	\متن داخلی
<code>\intertextsep</code>	\فاصله شناورد رمتن
<code>\invisible</code>	\مخفی
<code>\itdefault</code>	\پیش فرض ای
<code>\itshape</code>	\شکل ایتالیک
<code>\item</code>	\فقره
<code>\itemindent</code>	\تورفتگی فقره
<code>\itemsep</code>	\فاصله فقره
<code>\iterate</code>	\تکرارکن
<code>\itshape</code>	\شکل ای

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\jobname</code>	<code>\نام کار</code>
<code>\jot</code>	<code>\قلب</code>
<code>\kern</code>	<code>\دوری</code>
<code>\kill</code>	<code>\الگو</code>
<code>\label</code>	<code>\برچسب</code>
<code>\labelenumi</code>	<code>\برچسب شمارش یک</code>
<code>\labelenumii</code>	<code>\برچسب شمارش دو</code>
<code>\labelenumiii</code>	<code>\برچسب شمارش سه</code>
<code>\labelenumiv</code>	<code>\برچسب شمارش چهار</code>
<code>\labelitemi</code>	<code>\برچسب فقره یک</code>
<code>\labelitemii</code>	<code>\برچسب فقره دو</code>
<code>\labelitemiii</code>	<code>\برچسب فقره سه</code>
<code>\labelitemiv</code>	<code>\برچسب فقره چهار</code>
<code>\labelsep</code>	<code>\فاصله از برچسب</code>
<code>\labelwidth</code>	<code>\پهنای برچسب</code>
<code>\language</code>	<code>\زبان</code>
<code>\large</code>	<code>\درشت</code>
<code>\Large</code>	<code>\درشت تر</code>
<code>\LARGE</code>	<code>\درشت درشت</code>
<code>\lastbox</code>	<code>\آخرین کادر</code>
<code>\lastkern</code>	<code>\آخرین دوری</code>
<code>\lastpenalty</code>	<code>\آخرین جریمه</code>
<code>\lastskip</code>	<code>\آخرین فاصله</code>
<code>\LaTeX</code>	<code>\لاتک</code>
<code>\LaTeXe</code>	<code>\لاتک ای</code>
<code>\lccode</code>	<code>\کدکوچک</code>
<code>\ldots</code>	<code>\نقاط خ</code>
<code>\leaders</code>	<code>\نشانگر</code>
<code>\leavevmode</code>	<code>\ترک و</code>
<code>\left</code>	<code>\چپ</code>
<code>\leftmargin</code>	<code>\حاشیه چپ</code>
<code>\leftmargini</code>	<code>\حاشیه چپ یک</code>
<code>\leftmarginii</code>	<code>\حاشیه چپ دو</code>
<code>\leftmarginiii</code>	<code>\حاشیه چپ سه</code>
<code>\leftmarginiv</code>	<code>\حاشیه چپ چهار</code>
<code>\leftmarginv</code>	<code>\حاشیه چپ پنج</code>
<code>\leftmarginvi</code>	<code>\حاشیه چپ شش</code>
<code>\leftmark</code>	<code>\علامت چپ</code>
<code>\leftpageskip</code>	<code>\کادر تا چپ</code>
<code>\leftskip</code>	<code>\فاصله ابتدای سطر</code>

*Continued on next page*



Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

\let	\بگذار
\line	\سطر
\linebreak	\سطرشکن
\linepenalty	\جریمه سطر
\lineskip	\فاصله سطرها
\lineskiplimit	\حد فاصله سطر
\linespread	\کشش فاصله سطر
\linethickness	\ضخامت خط
\linewidth	\پهنای سطر
\listfigurename	\عنوان فهرست اشکال
\listfiles	\لیست پرونده ها
\listoffigures	\فهرست اشکال
\listoftables	\فهرست جداول
\listparindent	\تورفتگی بند لیست
\listtablename	\عنوان فهرست جداول
\LoadClass	\بارکن طبقه
\LoadClassWithOptions	\بارکن طبقه با گزینه
\location	\مکان
\long	\بلند
\loop	\حلقه
\looseness	\گسیختگی
\lower	\انتقال بپایین
\@makeother	\@دیگر
\@m	\@زار
\@M	\ده@زار
\@Mi	\ده@زاریک
\@Mii	\ده@زاردو
\@Miii	\ده@زارسه
\@Miv	\ده@زارچهار
\@MM	\بیس@زار
\m@ne	\من@a
\mag	\بزرگ نمایی
\magstep	\گام
\magstephalf	\نیم گام
\mainmatter	\مطلب اصلی
\makeatletter	\ات حرف
\makeatother	\ات دیگر
\makebox	\کادر بی خط
\makeglossary	\ساخت فرهنگ
\makeindex	\تهیه نمایه

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\makelabel</code>	\ساخت برچسب
<code>\makelabels</code>	\ساخت برچسب ها
<code>\MakeLowercase</code>	\ساخت حروف کوچک
<code>\maketitle</code>	\عنوان ساز
<code>\MakeUppercase</code>	\ساخت حروف بزرگ
<code>\marginpar</code>	\در حاشیه
<code>\marginparpush</code>	\فاصله دو حاشیه
<code>\marginparsep</code>	\فاصله تا حاشیه
<code>\marginparwidth</code>	\پهنای حاشیه
<code>\mark</code>	\علامت
<code>\markboth</code>	\علامت در دو طرف
<code>\markright</code>	\علامت در راست
<code>\mathaccent</code>	\اعراب ریاضی
<code>\mathchar</code>	\نویسه ریاضی
<code>\mathchardef</code>	\تعریف نویسه ریاضی
<code>\mathcode</code>	\کد ریاضی
<code>\mathrm</code>	\ریاضی رومن
<code>\maxdeadcycles</code>	\حد اکثر تکرار
<code>\maxdepth</code>	\حد اکثر عمق صفحه
<code>\maxdimen</code>	\بعد بیشین
<code>\mbox</code>	\کادر بی
<code>\mdseries</code>	\شمایل نازک
<code>\meaning</code>	\معنا
<code>\mediumseries</code>	\نازک
<code>\medmuskip</code>	\فاصله متوسط ریاضی
<code>\medskip</code>	\پرش متوسط
<code>\medskipamount</code>	\مقدار پرش متوسط
<code>\medspace</code>	\فضای متوسط
<code>\message</code>	\پیام
<code>\MessageBreak</code>	\پیام شکن
<code>\minrowclearance</code>	\حد اقل فاصله ردیف
<code>\mkern</code>	\دوری ریاضی
<code>\month</code>	\ماه
<code>\moveleft</code>	\انتقال بچپ
<code>\moveright</code>	\انتقال بر راست
<code>\mskip</code>	\فاصله ریاضی
<code>\m@th</code>	\ری @ ضی
<code>\multicolumn</code>	\چند ستونی
<code>\multiply</code>	\ضرب
<code>\multispan</code>	\چند ادغام

*Continued on next page*



## Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

<code>\muskip</code>	<code>\میوفاصله</code>
<code>\muskipdef</code>	<code>\تعریف میوفاصله</code>
<code>\@namedef</code>	<code>\@ترنام</code>
<code>\@nameuse</code>	<code>\@کاربردنام</code>
<code>\@ne</code>	<code>\یک@</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبیعی</code>
<code>\nearrow</code>	<code>\باریک</code>
<code>\nearrower</code>	<code>\باریکتر</code>
<code>\NeedsTeXFormat</code>	<code>\شکلبندی مورد نیاز</code>
<code>\neg</code>	<code>\منفی</code>
<code>\negmedspace</code>	<code>\فضای متوسط منفی</code>
<code>\negthickspace</code>	<code>\فضای ضخیم منفی</code>
<code>\negthinspace</code>	<code>\دوری کوچک منفی</code>
<code>\newboolean</code>	<code>\بولی نو</code>
<code>\newbox</code>	<code>\کادر جدید</code>
<code>\newcommand</code>	<code>\فرمان نو</code>
<code>\newcount</code>	<code>\شمار جدید</code>
<code>\newcounter</code>	<code>\شمارنده جدید</code>
<code>\newdimen</code>	<code>\بعد جدید</code>
<code>\newenvironment</code>	<code>\محیط نو</code>
<code>\newfam</code>	<code>\خانواده جدید</code>
<code>\newfont</code>	<code>\قلم نو</code>
<code>\newhelp</code>	<code>\کمک جدید</code>
<code>\newif</code>	<code>\گر جدید</code>
<code>\newinsert</code>	<code>\درج جدید</code>
<code>\newlabel</code>	<code>\برچسب جدید</code>
<code>\newlength</code>	<code>\تعریف بعد جدید</code>
<code>\newline</code>	<code>\سطر جدید</code>
<code>\newlinechar</code>	<code>\نویسه سطر جدید</code>
<code>\newmuskip</code>	<code>\میوفاصله جدید</code>
<code>\newpage</code>	<code>\صفحه جدید</code>
<code>\newread</code>	<code>\بخوان جدید</code>
<code>\newsavebox</code>	<code>\تعریف کادر جدید</code>
<code>\newskip</code>	<code>\فاصله جدید</code>
<code>\newtheorem</code>	<code>\قضیه جدید</code>
<code>\newtoks</code>	<code>\جزء جدید</code>
<code>\newwrite</code>	<code>\بنویس جدید</code>
<code>\noalign</code>	<code>\بی ردیف</code>
<code>\nobreak</code>	<code>\نشکن</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\nobreakspace</code>	<code>\فاصله نشکستی</code>
<code>\nocite</code>	<code>\بدون سند</code>
<code>\noexpand</code>	<code>\نگستر</code>
<code>\nofiles</code>	<code>\بدون پرونده</code>
<code>\noindent</code>	<code>\بدون تورفتگی</code>
<code>\nointerlineskip</code>	<code>\بی فاصله سطر</code>
<code>\nolimits</code>	<code>\بدون حد</code>
<code>\nolinebreak</code>	<code>\سطرنشکن</code>
<code>\nonstopmode</code>	<code>\پردازش بدون توقف</code>
<code>\nonfrenchspacing</code>	<code>\فواصل متعارف لاتین</code>
<code>\nonumber</code>	<code>\بدون شماره</code>
<code>\nopagebreak</code>	<code>\صفحه نشکن</code>
<code>\normalbaselines</code>	<code>\کرسیهای متعارف</code>
<code>\normalbaselineskip</code>	<code>\فاصله کرسی متعارف</code>
<code>\normalcolor</code>	<code>\رنگ عادی</code>
<code>\normalfont</code>	<code>\قلم عادی</code>
<code>\normallineskip</code>	<code>\فاصله سطرمتعارف</code>
<code>\normallineskiplimit</code>	<code>\حد فاصله سطرمتعارف</code>
<code>\normalmarginpar</code>	<code>\در حاشیه عادی</code>
<code>\normalsize</code>	<code>\اندازه عادی</code>
<code>\notag</code>	<code>\بدون اتیکت</code>
<code>\null</code>	<code>\نول</code>
<code>\nullfont</code>	<code>\قلم تهی</code>
<code>\number</code>	<code>\عدد</code>
<code>\numberline</code>	<code>\سطر عددی</code>
<code>\numberwithin</code>	<code>\شماره مطابق</code>
<code>\@evenfoot</code>	<code>\پایین صفحه زوج</code>
<code>\@evenhead</code>	<code>\بالای صفحه زوج</code>
<code>\@oddfoot</code>	<code>\پایین صفحه فرد</code>
<code>\@oddhead</code>	<code>\بالای صفحه فرد</code>
<code>\@outeqntrue</code>	<code>\شماره بیرون درست</code>
<code>\@outeqnfalse</code>	<code>\شماره بیرون نادرست</code>
<code>\obeylines</code>	<code>\سطر به سطر</code>
<code>\obeyspaces</code>	<code>\فضا فعال</code>
<code>\oddsidemargin</code>	<code>\حاشیه فرد</code>
<code>\offinterlineskip</code>	<code>\سطور بی فاصله</code>
<code>\omit</code>	<code>\حذف</code>
<code>\@onlypreamble</code>	<code>\@تنهادرپیش در آمد</code>
<code>\onecolumn</code>	<code>\یک ستون</code>
<code>\onlynotes</code>	<code>\تنهایداشت ها</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\onlyslides	\تنها اسلایدها
\openin	\بازکن ورودی
\openout	\بازکن خروجی
\OptionNotUsed	\گزینه مصرف نشده
\or	\یا
\outer	\برونی
\output	\صفحه بندی
\outputpenalty	\جریمه صفحه بندی
\overfullrule	\علامت سرریز
\@preamblecmds	\@فرمان های پیش در آمد
\p@	\@پو
\PackageError	\خطای سبک
\PackageInfo	\اطلاع سبک
\PackageWarning	\هشدار سبک
\PackageWarningNoLine	\هشدار سبک بی سطر
\pagebreak	\صفحه شکن
\pagecolor	\رنگ صفحه
\pagedepth	\عمق صفحه
\pagefillllstretch	\کشش پررر صفحه
\pagefilllstretch	\کشش پرر صفحه
\pagefilstretch	\کشش پر صفحه
\pagegoal	\غایت صفحه
\pagename	\نام صفحه
\pagenumbering	\شماره گذاری صفحه
\pageref	\ارجوع صفحه
\pagerulewidth	\ضخامت خط صفحه
\pageshrink	\فشرده گی صفحه
\pagestretch	\کشش صفحه
\pagestyle	\سبک صفحه
\pagetotal	\جمع صفحه
\paperheight	\بلندای کاغذ
\paperwidth	\پهنای کاغذ
\par	\بند
\paragraph	\پارا گراف
\parallel	\موازی
\parbox	\کادر پار
\parfillskip	\فاصله ته بند
\parindent	\تورفتگی سر بند
\parsep	\فاصله بند لیست
\parshape	\شکل بند

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\parskip</code>	<code>\فاصله‌بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان‌بخش</code>
<code>\partopsep</code>	<code>\فاصله‌بالای لیست‌بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال گزینه به کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال گزینه به پکیج</code>
<code>\path</code>	<code>\مسیر</code>
<code>\patterns</code>	<code>\الگوها</code>
<code>\pausing</code>	<code>\مکث</code>
<code>\penalty</code>	<code>\جریمه</code>
<code>\phantom</code>	<code>\غیب</code>
<code>\poptabs</code>	<code>\الگوی قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه پس نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت پیش نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه پیش نمایش</code>
<code>\preplaysize</code>	<code>\اندازه پیش نمایش</code>
<code>\pretolerance</code>	<code>\پیش حد بدنمایی</code>
<code>\prevdepth</code>	<code>\عمق قبلی</code>
<code>\prevgraf</code>	<code>\بند قبلی</code>
<code>\printindex</code>	<code>\نمایه در اینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش گزینه ها</code>
<code>\protect</code>	<code>\تأمین</code>
<code>\providecommand</code>	<code>\تهیه فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده سازی طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده سازی پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده سازی سبک</code>
<code>\pushtabs</code>	<code>\ثبت الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کو کواد</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی خروج صفحه</code>
<code>\radical</code>	<code>\رادیكال</code>
<code>\raggedbottom</code>	<code>\پایین بی تنظیم</code>
<code>\raggedleft</code>	<code>\تنظیم از راست</code>
<code>\raggedright</code>	<code>\تنظیم از چپ</code>
<code>\raise</code>	<code>\انتقال ببالا</code>
<code>\raisebox</code>	<code>\بالا بر</code>
<code>\raisetag</code>	<code>\ترفع اتیكت</code>
<code>\rangle</code>	<code>\زاویه ر</code>
<code>\rceil</code>	<code>\سقف ر</code>
<code>\read</code>	<code>\بخوان</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\ref</code>	<code>\رجوع</code>
<code>\reflectbox</code>	<code>\کادرقرینه</code>
<code>\refname</code>	<code>\عنوان مراجع</code>
<code>\refstepcounter</code>	<code>\گام شمارنده مرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removeatlastskip</code>	<code>\رفع آخرین فاصله</code>
<code>\renewcommand</code>	<code>\فرمان ازنو</code>
<code>\renewenvironment</code>	<code>\محیط ازنو</code>
<code>\repeat</code>	<code>\ازنو</code>
<code>\RequirePackage</code>	<code>\سبک موردنیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبک موردنیاز با گزینه</code>
<code>\resizebox</code>	<code>\کادرکشیده</code>
<code>\reversemarginpar</code>	<code>\در حاشیه معکوس</code>
<code>\rfloor</code>	<code>\کف ر</code>
<code>\right</code>	<code>\راست</code>
<code>\rightmargin</code>	<code>\حاشیه راست</code>
<code>\rightmark</code>	<code>\علامت راست</code>
<code>\rightpageskip</code>	<code>\کادر تا راست</code>
<code>\rightskip</code>	<code>\فاصله انتهای سطر</code>
<code>\rmdefault</code>	<code>\رومن عادی</code>
<code>\rmfamily</code>	<code>\فامیل رومن</code>
<code>\Roman</code>	<code>\رومن بزرگ</code>
<code>\roman</code>	<code>\رومن کوچک</code>
<code>\romannumeral</code>	<code>\عدد رومی</code>
<code>\rotatebox</code>	<code>\کادر چرخان</code>
<code>\rowcolor</code>	<code>\رنگ ردیف</code>
<code>\rule</code>	<code>\خط</code>
<code>\@secondoftwo</code>	<code>\@دومی ازدو</code>
<code>\@spaces</code>	<code>\@فضاها</code>
<code>\samepage</code>	<code>\همین صفحه</code>
<code>\savebox</code>	<code>\مقدار کادر</code>
<code>\sbox</code>	<code>\مقکادر</code>
<code>\scalebox</code>	<code>\کادر اندازه</code>
<code>\scdefault</code>	<code>\پیش فرض تمام بزرگ</code>
<code>\scshape</code>	<code>\شکل تمام بزرگ</code>
<code>\scriptfont</code>	<code>\قلم توان</code>
<code>\scriptscriptfont</code>	<code>\قلم توان توان</code>
<code>\scriptscriptstyle</code>	<code>\سبک ته نوشت ته نوشت</code>
<code>\scriptsize</code>	<code>\اندازه پانویس</code>
<code>\scriptstyle</code>	<code>\سبک ته نوشت</code>

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### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

<code>\scrollmode</code>	\پردازش گذری
<code>\section</code>	\قسمت
<code>\secdef</code>	\تعریف قسمت
<code>\see</code>	\ببینید
<code>\seealso</code>	\نیز ببینید
<code>\seename</code>	\نام ببینید
<code>\selectfont</code>	\قلم بردار
<code>\setboolean</code>	\تنظیم بولی
<code>\setbox</code>	\درکادر
<code>\setcounter</code>	\مقدار شمارنده
<code>\setkeys</code>	\مقدار کلیدها
<code>\setlength</code>	\مقدار بعد
<code>\setminus</code>	\تنظیم منها
<code>\SetSymbolFont</code>	\تعریف قلم علائم
<code>\settodepth</code>	\تنظیم به عمق
<code>\settoheight</code>	\تنظیم به ارتفاع
<code>\settowidth</code>	\مقدار بعد به اندازه
<code>\sfcode</code>	\کد ضریب فاصله
<code>\sfdefault</code>	\پیش فرض س ف
<code>\sffamily</code>	\فامیل سن سریف
<code>\shadowbox</code>	\کادر سایه دار
<code>\sharp</code>	\تیز
<code>\shipout</code>	\بفرست
<code>\shortstack</code>	\پشته کوتاه
<code>\show</code>	\نمایش بده
<code>\showbox</code>	\نمایش بده کادر
<code>\showboxbreadth</code>	\میزان نمایش کادر
<code>\showboxdepth</code>	\عمق نمایش کادر
<code>\showlists</code>	\نمایش بده لیستها
<code>\showthe</code>	\نمایش بده محتوای
<code>\simplefontmode</code>	\حالت ساده قلم
<code>\sist@n</code>	\شانزد @
<code>\skewchar</code>	\نویسه اریب
<code>\skip</code>	\فاصله
<code>\skip@</code>	\فاصل @
<code>\skipdef</code>	\تعریف فاصله
<code>\sl</code>	\خوابیده
<code>\sldefault</code>	\پیش فرض خو
<code>\slshape</code>	\شکل خوابیده
<code>\sloppy</code>	\راحت چین

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Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

<code>\slshape</code>	\شمايل خو
<code>\small</code>	\کو چک
<code>\smallskip</code>	\پرش کوتاه
<code>\smallskipamount</code>	\مقدار پرش کوتاه
<code>\smash</code>	\کوب
<code>\smile</code>	\لبخند
<code>\snglftlocatencode</code>	\کدمکان همانطور
<code>\space</code>	\فضا
<code>\spacefactor</code>	\ضریب فاصله
<code>\spaceskip</code>	\فاصله کلمات
<code>\spadesuit</code>	\پیک
<code>\span</code>	\ادغام
<code>\special</code>	\ویژه
<code>\splitmaxdepth</code>	\حد اکثر عمق ستون
<code>\splittopskip</code>	\فاصله بالای ستون
<code>\star</code>	\ستاره
<code>\stepcounter</code>	\گام شمارنده
<code>\stretch</code>	\کشی
<code>\string</code>	\رشته
<code>\strut</code>	\شمع
<code>\strutbox</code>	\کادر شمع
<code>\subitem</code>	\زیر بند
<code>\subparagraph</code>	\زیر پاراگراف
<code>\subsection</code>	\زیر قسمت
<code>\substack</code>	\زیر پشته
<code>\subsubitem</code>	\زیر زیر بند
<code>\subsubsection</code>	\زیر زیر قسمت
<code>\subset</code>	\زیر مجموعه
<code>\subseteq</code>	\زیر مجموعه مسا
<code>\supereject</code>	\منتهای صفحه
<code>\suppressfloats</code>	\حذف مکان شناور
<code>\@tempa</code>	\@موقت آ
<code>\@tempb</code>	\@موقت ب
<code>\@tempc</code>	\@موقت پ
<code>\@tempd</code>	\@موقت ت
<code>\@tempe</code>	\@موقت ث
<code>\@tempboxa</code>	\@کادرقت آ
<code>\@tempcnta</code>	\@شماقت آ
<code>\@tempcntb</code>	\@شماقت ب
<code>\@tempdima</code>	\@بعدقت آ

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### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

\@tempdimb	\@بعدقتب
\@tempdimc	\@بعدقتپ
\@tempskipa	\@فاقتآ
\@tempskipb	\@فاقتب
\@tempswafalse	\@سواقتآنادرست
\@tempswatrue	\@سواقتآدرست
\@temptokena	\@جزقتآ
\@thefnmark	\انگ زیرنویس
\@thirdofthree	\@سومی ازسه
\tabbingsep	\فاصله جاگذاری
\tabcolsep	\فاصله بین ستونها
\tableofcontents	\فهرست مطالب
\tablename	\عنوان جدول
\tabskip	\فاصله ستونها
\tabularnewline	\ته سطرجدول
\tag	\اتیکت
\telephone	\تلفن
\TeX	\تک
\text	\متن
\textbullet	\گلوله متنی
\textfont	\قلم متن
\textemdash	\ام دش متنی
\textendash	\ان دش متنی
\textexclamdown	\تعجب وارونه متنی
\textperiodcentered	\نقطه وسط متنی
\textquestiondown	\سوال وارونه متنی
\textquotedblleft	\نقل چپ متنی دولا
\textquotedblright	\نقل راست متنی دولا
\textquoteleft	\نقل متنی چپ
\textquoteright	\نقل متنی راست
\textvisiblespace	\فضای نمایان متنی
\textbackslash	\شکافت پشت متنی
\textbar	\میله متنی
\textgreater	\بزرگ ترممتنی
\textless	\کمترمتنی
\textbf	\متن سیاه
\textcircled	\مدورمتنی
\textcolor	\رنگ متن
\textcompwordmark	\نشان کلمه مرکب متن
\textfloatsep	\فاصله متن و شناور

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindent</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبتي متني
<code>\textrm</code>	\متن رومن
<code>\textsc</code>	\متن تمام بزرگ
<code>\textsf</code>	\متن سن سریف
<code>\textsl</code>	\متن خوابیده
<code>\textstyle</code>	\سبك متني
<code>\textsuperscript</code>	\بالا نویس متني
<code>\texttrademark</code>	\علامت تجاری متني
<code>\texttt</code>	\متن تایپ
<code>\textup</code>	\متن ایستاده
<code>\textwidth</code>	\پهنای متن
<code>\thanks</code>	\زیرنویس عنوان
<code>\the</code>	\محتوای
<code>\thempfn</code>	\این زیرنویس
<code>\thicklines</code>	\خط ها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خط ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancy page</code>	\این صفحه تجملی
<code>\thispage style</code>	\سبك این صفحه
<code>\thr@@</code>	\سه @
<code>\tilde</code>	\مد
<code>\tiny</code>	\ظریف
<code>\time</code>	\زمان
<code>\times</code>	\ضرب در
<code>\title</code>	\عنوان
<code>\to</code>	\به
<code>\today</code>	\امروز
<code>\toks</code>	\جزء
<code>\toksdef</code>	\تعریف جزء
<code>\tolerance</code>	\حد بدنامی
<code>\top</code>	\بالا

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\topfigrule</code>	<code>\خطبالای شناور</code>
<code>\topfraction</code>	<code>\نسبت بالا</code>
<code>\topmargin</code>	<code>\حاشیه بالا</code>
<code>\topmark</code>	<code>\علامت بالا</code>
<code>\toppageskip</code>	<code>\کادر تا بالا</code>
<code>\topsep</code>	<code>\فاصله بالای لیست</code>
<code>\topskip</code>	<code>\فاصله بالا</code>
<code>\totalheight</code>	<code>\بلندای کل</code>
<code>\tracingall</code>	<code>\ردگیری کل</code>
<code>\tracingcommands</code>	<code>\ردگیری فرامین</code>
<code>\tracinglostchars</code>	<code>\ردگیری حروف</code>
<code>\tracingmacros</code>	<code>\ردگیری ماکروها</code>
<code>\tracingonline</code>	<code>\ردگیری نمایشی</code>
<code>\tracingoutput</code>	<code>\ردگیری صفحه بندی</code>
<code>\tracingpages</code>	<code>\ردگیری صفحات</code>
<code>\tracingparagraphs</code>	<code>\ردگیری بندها</code>
<code>\tracingrestores</code>	<code>\ردگیری بازگردانی</code>
<code>\tracingstats</code>	<code>\ردگیری آمارها</code>
<code>\triangle</code>	<code>\مثلث</code>
<code>\ttdefault</code>	<code>\پیش فرض تایپ</code>
<code>\ttfamily</code>	<code>\فامیل تایپ</code>
<code>\tw@</code>	<code>\دو@</code>
<code>\twocolumn</code>	<code>\دو ستون</code>
<code>\typein</code>	<code>\در نویسی</code>
<code>\typeout</code>	<code>\بر نویسی</code>
<code>\uccode</code>	<code>\کد بزرگ</code>
<code>\uchyph</code>	<code>\تیره بندی بزرگ</code>
<code>\undefined</code>	<code>\تعریف نشده</code>
<code>\underline</code>	<code>\زیر خط</code>
<code>\unhbox</code>	<code>\بی کادر</code>
<code>\unhcopy</code>	<code>\بی کپی</code>
<code>\unitlength</code>	<code>\واحد طول</code>
<code>\unkern</code>	<code>\برگشت دوری</code>
<code>\unpenalty</code>	<code>\برگشت جریمه</code>
<code>\unskip</code>	<code>\برگشت فاصله</code>
<code>\unvbox</code>	<code>\بی کادرو</code>
<code>\unvcopy</code>	<code>\بی کپی و</code>
<code>\updefault</code>	<code>\پیش فرض ایستاده</code>
<code>\upshape</code>	<code>\شکل ایستاده</code>
<code>\usebox</code>	<code>\از کادر</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\usecounter	\باشمارشگر
\usefont	\گزینه‌ش قلم
\usepackage	\سبک لازم
\@vobeyspaces	\@فضاهای فعال
\@void	\@تهی
\adjust	\تنظیم و
\align	\ردیف و
\value	\محتوای شمارنده
\vbadness	\بدنمایی و
\vbox	\کادر و
\vcenter	\کادر وسط
\verb	\همانطور
\vfil	\پرو
\vfill	\پررو
\vfilneg	\رفع پرو
\vfuzz	\پر زعمودی
\visible	\نمایان
\vline	\خط عمود
\voffset	\حاشیه و
\voidb@x	\ک@در تهی
\vpageref	\ارجاع صفحه ع
\vrbboxsep	\فاصله وگرد
\vref	\ارجاع ع
\vrule	\خط و
\vsize	\طول صفحه
\vskip	\فاصله و
\vspace	\فضای و
\vsplit	\شکست و
\vss	\هر دو و
\vtop	\کادر گود
\wd	\عرض
\whiledo	\مادام بکن
\widehat	\کلاه پهن
\widetilde	\مد پهن
\widowpenalty	\جریمه ته بند
\width	\پهنا
\wlog	\در کارنامه
\write	\بنویس
\@xobeysp	\@فضای لاتین
\@xxxii	\سی@دو

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\xdef	\ترگع
\xleaders	\نشانگر گسترشی
\xspaceskip	\فاصله اضافی کلمات
\year	\سال
\z@	\@فر
\z@skip	\@فر فاصله

Table 2: The Equivalent XePersian Commands

Command in XePersian	Equivalent Persian Command
\autofootnoterule	\خط زیرنویس خودکار
\AutoMathsDigits	\اعداد فرمولها خودکار
\DefaultMathsDigits	\اعداد فرمولها لاتین
\deflatinfont	\تعریف قلم لاتین
\defpersianfont	\تعریف قلم پارسی
\hboxL	\کادر اچپ
\hboxR	\کادر راست
\keyval@eq@alias@key	\معادل@کلید
\Latincite	\مرجع لاتین
\latinfont	\قلم لاتین
\latintoday	\امروز لاتین
\leftfootnoterule	\خط زیرنویس چپ
\lr	\متن لاتین
\LRE	\چپ براست
\LTRdblcol	\دوستونی چپ
\LTRfootnote	\پانویس
\LTRfootnotetext	\متن پانویس
\LTRthanks	\پانویس عنوان
\persianday	\روز پارسی
\persianfont	\قلم پارسی
\PersianMathsDigits	\اعداد فرمولها پارسی
\persianmonth	\ماه پارسی
\persianyear	\سال پارسی
\plq	\علامت چپ نقل قول پارسی
\prq	\علامت راست نقل قول پارسی
\rightfootnoterule	\خط زیرنویس راست
\rl	\متن پارسی
\RLE	\راست بچپ
\RTLdblcol	\دوستونی راست
\RTLfootnote	\پانویست

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Command in XePersian	Equivalent Persian Command
\RTLfootnotetext	\متن پانویس
\RTLthanks	\پانویس عنوان
\@SepMark	\@علامت بین
\SepMark	\علامت بین
\setdefaultbibitems	\بگذار مرجوعات عادی
\setdefaultmarginpar	\بگذار در حاشیه عادی
\setdigitfont	\گزینش قلم اعداد فرمولها
\setfootnoteLR	\بگذار زیر نویس چپ
\setfootnoteRL	\بگذار زیر نویس راست
\setlatintextfont	\گزینش قلم لاتین متن
\setLTR	\بگذار متن چپ
\setLTRbibitems	\بگذار مرجوعات چپ
\setLTRmarginpar	\بگذار در حاشیه چپ
\setRTL	\بگذار متن راست
\setRTLbibitems	\بگذار مرجوعات راست
\setRTLmarginpar	\بگذار در حاشیه راست
\settextfont	\گزینش قلم متن
\textwidthfootnoterule	\خط زیر نویس پهنای متن
\twocolumnstableofcontents	\فهرست مطالب دو ستونی
\unsetfootnoteRL	\نگذار زیر نویس راست
\unsetLTR	\نگذار متن چپ
\unsetRTL	\نگذار متن راست
\vboxL	\کادر و از چپ
\vboxR	\کادر و از راست
\XeLaTeX	\زی لاتک
\XePersian	\زی پرشین
\xepersianversion	\گونه زی پرشین
\xepersiandate	\تاریخ گونه زی پرشین
\XeTeX	\زی تک

Table 3: The Equivalent  $\text{\LaTeX}$  Environments

Environment in $\text{\LaTeX}$	Equivalent Persian Environment
abstract	چکیده
appendix	پیوست
array	آرایه
center	وسط چین
description	توضیح
displaymath	ریاضی نمایشی
document	نوشتار
enumerate	شمارش
figure	شکل

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Environment in $\text{\LaTeX}$	Equivalent Persian Environment
figure*	شکل*
filecontents	محتوای پرونده
filecontents*	محتوای پرونده*
flushleft	چپ چین
flushright	راست چین
itemize	فقرات
letter	نامه
list	لیست
longtable	جدول دراز
lrbox	کادر رج
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	چندستونی ها
multline	چند خطی
note	یادداشت
overlay	انباشتن
picture	تصویر
quotation	اقتباس
quote	نقل
slide	اسلاید
sloppypar	پارنا مرتب
split	شکافتن
subarray	زیر آرایه
tabbing	جاگذاری
table	لوح
table*	لوح*
tabular	جدول
tabular*	جدول*
thebibliography	مراجع
theindex	محتوای نمایه
titlepage	صفحه عنوان
trivlist	لیست بدوی
verbatim	همانطور که هست
verbatim*	همانطور که هست*
verse	شعر

Table 4: The Equivalent XePersian Environments

Environment in XePersian	Equivalent Persian Environment
latin	لاتین
LTR	متن چپ

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Environment in XePersian	Equivalent Persian Environment
LTRitems	دسته‌بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته‌بندی راست

**Localisation of position arguments.** Some environments like `tabular` and some commands like `\parbox` have an argument which specifies the position. Table [Table 5](#) shows their localisations.

Table 5: The Equivalent  $\text{\LaTeX}$  position arguments

Position argument in $\text{\LaTeX}$	Equivalent Persian position argument
b	ز
c	و
C	س
h	ا
H	آ
J	ت
l	چ
L	ف
m	م
p	پ
P	ص
r	ر
R	ا
s	ک
t	ب

☞ There are two ps in [Table 5](#), first p and its Persian equivalent پ stand for paragraph (used in `tabular` and similar environments) and the second p and its Persian equivalent ص stand for page (used in float-like environments).

#### 2.4.8 Localizations of the keys and key values of `graphicx` package

The equivalent Persian keys and key values of `graphicx` package is shown in [Table 6](#) and [Table 7](#) respectively.

Table 6: Persian Equivalent keys of `graphicx` package

Original Key	Equivalent Persian Key
draft	پیش نویس
origin	مبدأ
clip	بی اضافه
keepaspectratio	حفظ تناسب
natwidth	پهنای طبیعی

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Original Key	Equivalent Persian Key
natheight	بلندای طبیعی
bb	مختصات
viewport	محدوده نمایش
trim	حذف اطراف
angle	زاویه
width	پهنا
height	بلندا
totalheight	بلندای کل
scale	ضریب
type	نوع
ext	پسوند
read	خواندنی
command	فرمان
x	طول
y	عرض
units	واحد

Table 7: Persian Equivalent key values of graphicx package

Original Key value	Equivalent Persian Key value
b	ز
B	ک
false	نادرست
l	چ
r	ر
t	ب
true	درست

#### 2.4.9 Localizations of font features and font feature options

The equivalent Persian font features and font feature options is shown in [Table 8](#) and [Table 9](#) respectively.

Table 8: Persian Equivalent font features

Original font feature	Equivalent Persian font feature
ExternalLocation	مکان خارجی
ExternalLocation	مسیر
Renderer	تحويل دهنده
BoldFont	قلم سیاه
Language	زبان
Script	خط
UprightFont	قلم عمودی
ItalicFont	قلم ایتالیک

*Continued on next page*



Original font feature	Equivalent Persian font feature
BoldItalicFont	قلم ایتالیک سیاه
SlantedFont	قلم خوابیده
BoldSlantedFont	قلم خوابیده سیاه
SmallCapsFont	قلم کلاه کوچک
UprightFeatures	ویژگی های قلم عمودی
BoldFeatures	ویژگی های قلم سیاه
ItalicFeatures	ویژگی های قلم ایتالیک
BoldItalicFeatures	ویژگی های قلم ایتالیک سیاه
SlantedFeatures	ویژگی های قلم خوابیده
BoldSlantedFeatures	ویژگی های قلم خوابیده سیاه
SmallCapsFeatures	ویژگی های قلم کلاه کوچک
SizeFeatures	ویژگی های اندازه
Scale	ضریب
WordSpace	فضای کلمه
PunctuationSpace	فضای نقطه گذاری
FontAdjustment	تنظیم قلم
LetterSpace	فضای حرف
HyphenChar	نویسه تیره
Color	رنگ
Opacity	کدری
Mapping	نگاشت
Weight	سنگینی
Width	پهنا
OpticalSize	اندازه چشمی
FakeSlant	خوابیده تقلبی
FakeStretch	کشش تقلبی
FakeBold	سیاه تقلبی
AutoFakeSlant	خوابیده تقلبی خودکار
AutoFakeBold	سیاه تقلبی خودکار
Ligatures	دو یا چند حرف متصل به هم
Alternate	متناوب
Variant	گوناگون
Variant	مجموعه سبکی
CharacterVariant	گوناگونی نویسه
Style	سبک
Annotation	یادداشت
RawFeature	ویژگی های کال
CharacterWidth	پهنای نویسه
Numbers	ارقام
Contextuals	متنی

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Original font feature	Equivalent Persian font feature
Diacritics	تفکیک کننده ها
Letters	حروف
Kerning	دوری
VerticalPosition	موقعیت عمودی
Fractions	کسر

Table 9: Persian Equivalent font feature options

font feature	font feature option	Persian font feature option
Language	Default	پیش فرض
Language	Parsi	پارسی
Script	Parsi	پارسی
Script	Latin	لاتین
Style	MathScript	اسکرپت ریاضی
Style	MathScriptScript	اسکرپت اسکرپت ریاضی

## 2.5 A Sample Input T<sub>E</sub>X File

```

1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \title{یک سند نمونه}
5 \author{نام نویسنده}
6 \begin{document}
7 \maketitle
8 \tableofcontents
9 \part{عنوان بخش}
10 ...
11 \section{عنوان قسمت}
12 ...
13 \subsection{عنوان زیرقسمت}
14 ...
15 \subsubsection{عنوان زیر زیرقسمت}
16 ...
17 \end{document}

```

## 2.6 Font Commands



### 2.6.1 Basic Font Commands

```
\settextfont [Options] {\font name}  
\setlatintextfont [Options] {\font name}  
\setdigitfont [Options] {\font name}  
\setmathsfdigitfont [Options] {\font name}  
\setmathttdigitfont [Options] {\font name}
```

- ☞ Options in any font command in this documentation are anything that fontspec package provides as the option of loading fonts, except Script and Mapping.
- ☞ `\settextfont` will choose the default font for Persian texts of your document.
- ☞ `\setlatintextfont` will choose the font for Latin texts of your document. If you do not use this command at all, the default T<sub>E</sub>X font (fonts used in this documentation) will be used for Latin texts of your document.
- ☞ `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.
- ☞ `\setmathsfdigitfont` will choose the Persian font for digits in math mode inside `\mathsf`. By using this command, digits in math mode inside `\mathsf` will appear in Persian form and if you do not use this command at all, you will get default T<sub>E</sub>X font for digits in math mode inside `\mathsf` and digits appear in their original form (Western).
- ☞ `\setmathttdigitfont` will choose the Persian font for digits in math mode inside `\mathtt`. By using this command, digits in math mode inside `\mathtt` will appear in Persian form and if you do not use this command at all, you will get default T<sub>E</sub>X font for digits in math mode inside `\mathtt` and digits appear in their original form (Western).

### 2.6.2 Defining Extra Persian and Latin Fonts

```
\defpersianfont\CS [Options] {\font name}  
\deflatinfont\CS [Options] {\font name}
```

- ☞ With `\defpersianfont`, you can define extra Persian fonts.

```
\defpersianfont\Nastaliq[Scale=1]{IranNastaliq}
```

In this example, we define `\Nastaliq` to stand for `IranNastaliq` font.

- ☞ With `\deflatinfont`, you can define extra Latin fonts.

```
\deflatinfont\junicode[Scale=1]{Junicode}
```

In this example, we define `\junicode` to stand for `Junicode` font.



### 2.6.3 Choosing Persian Sans Font

```
\setpersiansansfont [Options] {\font name}  
\persiansffamily \textpersiansf{\text}
```

### 2.6.4 Choosing Persian Mono Font

```
\setpersianmonofont [Options] {\font name}  
\persianttfamily \textpersiantt{\text}
```

### 2.6.5 Choosing Persian Iranic Font

```
\setiraniconfont [Options] {\font name}  
\iranicfamily \textiranicon{\text}
```

### 2.6.6 Choosing Persian Navar Font

```
\setnavarfont [Options] {\font name}  
\navarfamily \textnavar{\text}
```

### 2.6.7 Choosing Persian Pook Font

```
\setpookfont [Options] {\font name}  
\pookfamily \textpook{\text}
```

### 2.6.8 Choosing Persian Sayeh Font

```
\setsayehfont [Options] {\font name}  
\sayehfamily \textsayeh{\text}
```

### 2.6.9 Choosing Latin Sans Font

```
\setlatinsansfont [Options] {\font name}  
\sffamily \textsf{\text}
```

### 2.6.10 Choosing Latin Mono Font

```
\setlatinmonofont [Options] {\font name}  
\ttfamily \texttt{\text}
```



### 3 Latin and Persian Environment

```
\begin{latin} <text> \end{latin}  
\begin{persian} <text> \end{persian}
```

☞ `latin` environment both changes direction of the paragraphs to LTR and font to Latin font.

☞ `persian` environment both changes direction of the Paragraphs to RTL and font to Persian font.

#### 3.1 `latinitems` and `parsiitems` environments

```
\begin{latinitems}  
  \item <text>  
  ...  
\end{latinitems}
```

☞ `latinitems` environment is similar to `LTItems` environment but changes the font to Latin font.

```
\begin{parsiitems}  
  \item <text>  
  ...  
\end{parsiitems}
```

☞ `parsiitems` environment is similar to `RTLItems` environment but changes the font to Persian font.

#### 3.2 Short Latin and Persian Texts

```
\lr{<text>} \rl{<text>}
```

☞ With `\lr` command, you can typeset short LTR texts.

☞ With `\rl` command, you can typeset short RTL texts.

#### 3.3 Miscellaneous Commands

```
\persianyear \persianmonth \persianday  
\today \latintoday \twocolumnstableofcontents \XePersian  
\plq \prq
```

☞ `\persianyear` is Persian equivalent of `\year`.



- ☞ `\persianmonth` is Persian equivalent of `\month`.
- ☞ `\persianday` is Persian equivalent of `\day`.
- ☞ `\today` typesets current Persian date and `\latintoday` typesets current Latin date.
- ☞ `\twocolumnstableofcontents` typesets table of contents in two columns. This requires that you have loaded `multicol` package before `XePersian` package, otherwise an error will be issued.
- ☞ `\XePersian` typesets XePersian's logo.
- ☞ `\plq` and `\prq` typeset Persian left quote and Persian right quote respectively.

### 3.4 New Commands

`\Latincite`

- ☞ `\Latincite` functions exactly like `\cite` command with only one difference; the reference to biblabel item is printed in Latin font in the text.

### 3.5 Additional Counters

XePersian defines several additional counters to what already  $\text{\LaTeX}$  offers. These counters are `harfi`, `adadi`, and `tartibi`. In addition, the following commands are also provided:

`\harfinumeral{⟨integer⟩}` `\adadinumeral{⟨integer⟩}` `\tartibinumeral{⟨integer⟩}`

- ☞ The range of `harfi` counter is integers between 1 and 32 (number of the Persian alphabets) and `adadi` and `tartibi` counters, are integers between 0 and 999,999,999.
- ☞ For `harfi` counter, if you give an integer bigger than 32 or a negative integer (if you give integer 0, it returns nothing), then you get error and for `adadi` and `tartibi` counters, if you give an integer bigger than 999,999,999, then you get an error message.
- ☞ For `adadi` and `tartibi` counters, if you give an integer less than 0 (a negative integer), then `adadi` and `tartibi` counters return **adadi** and **tartibi** form of the integer 0, respectively.
- ☞ `\harfinumeral` returns the **harfi** form of  $\langle integer \rangle$ , where  $1 \leq integer \leq 32$  and `\adadinumeral`, and `\tartibinumeral` return **adadi**, and **tartibi** form of  $\langle integer \rangle$  respectively, where  $0 \leq integer \leq 999,999,999$ .



### 3.6 Things To Know About `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`

<code>\DefaultMathsDigits</code> <code>\PersianMathsDigits</code> <code>\AutoMathsDigits</code>
---

- ☞ As we discussed before, `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.
  - ☞ As we discussed before, `\setmathsfdigitfont`, and `\setmathttdigitfont` will choose the Persian sans serif and typewriter fonts for digits in math mode. By using this command, digits in math mode will appear in Persian form and if you do not use this command at all, you will get default T<sub>E</sub>X font for digits in math mode and digits appear in their original form (Western).
- If you use `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`, then you should know that:

- ☞ By default, `\AutoMathsDigits` is active, which means that in Persian mode, you get Persian digits in math mode and in Latin mode, you get T<sub>E</sub>X's default font and digits in math mode.
- ☞ If you use `\PersianMathsDigits` anywhere, you will overwrite XePersian's default behaviour and you will always get Persian digits in math mode.
- ☞ If you use `\DefaultMathsDigits` anywhere, again you will overwrite XePersian's default behaviour and you will always get T<sub>E</sub>X's default font and digits in math mode.

## 4 New Conditionals

### 4.1 Shell escape (or `write18`) conditional

<pre>\ifwritexviii   <i>&lt;material when Shell escape (or write18) is enabled&gt;</i> \else   <i>&lt;material when Shell escape (or write18) is not enabled&gt;</i> \fi</pre>
--

## 5 Bilingual Captions

XePersian sets caption bilingually. This means if you are in RTL mode, you get Persian caption and if you are in LTR mode, you get English caption.



## 5.1 Support For Various Packages

In addition to what bidi package supports, XePersian also support a few packages. This support is more about language aspect rather than directionality. These packages are algorithmic, algorithm, enumerate, and backref packages.

### 5.1.1 Things You Should Know about Support For enumerate Package

The enumerate package gives the enumerate environment an optional argument which determines the style in which the counter is printed.

An occurrence of one of the tokens A, a, I, i, or 1 produces the value of the counter printed with (respectively) \Alph, \alph, \Roman, \roman or \arabic.

In addition with the extra support that XePersian provides, an occurrence of one of the tokens l, ی, or ت produces the value of the counter printed with (respectively) \harfi, \adadi, or \tartibi.

These letters may be surrounded by any strings involving any other T<sub>E</sub>X expressions, however the tokens A, a, I, i, 1, l, ی, ت must be inside a {} group if they are not to be taken as special.

To see an Example, please look at enumerate package documentation.

## 5.2 Index Generation

For generating index, you are advised to use xindy program, any other program such as makeindex is not recommended.

## 5.3 Converting Your FarsiT<sub>E</sub>X Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert FarsiT<sub>E</sub>X files to XePersian or unicode. This program can be found in doc folder with the name ftxe-0.12.py. To convert your FarsiT<sub>E</sub>X files to XePersian, put ftxe-0.12.py in the same directory that your FarsiT<sub>E</sub>X file is, and then open a terminal/command prompt and do the following:

```
python ftxe-0.12.py file.ftx file.tex
```

This will convert your file.ftx (FarsiT<sub>E</sub>X file) to file.tex (XePersian file).

The general syntax of using the python script is as follow:

```
python ftxe-0.12.py [-r] [-s] [-x] [-u] input-filename1 input-filename2
```

Where

-r (DEFAULT) recursively consider files included in the given files

-s do not recursively consider files

-x (DEFAULT) insert XePersian related commands



-u only convert to unicode (and not to XePersian)

Please note that the python script will not work with versions of python later than 2.6. So you are encouraged to use version 2.6 of python to benefit from this python script.

## 6 Extra Packages And Classes

### 6.1 Magazine Typesetting

#### 6.1.1 Introduction

xepersian-magazine class allows you to create magazines, newspapers and any other types of papers. The output document has a front page and as many inner pages as desired. Articles appear one after another, telling the type, number of columns, heading, subheading, images, author and so forth. It is possible to change the aspect of (almost) everything therefore it is highly customisable. Commands to add different titles, headings and footers are also provided.

#### 6.1.2 Usage

To create<sup>2</sup> a magazine just load the class as usual<sup>3</sup>, with

```
\documentclass [Options] {xepersian-magazine}
```

at the beginning of your source file. The class options are described in [subsubsection 6.1.12](#).

From this point it is possible to include packages and renew class commands described in [subsubsection 6.1.9](#).

#### 6.1.3 Front Page

As every magazine, xepersian-magazine has its own front page. It includes main headings, an index, the magazine logo and other useful information. This environment should be the first you use within xepersian-magazine class but it is not mandatory.

```
\firstimage \firstarticle
```

The first two commands you can use inside the `frontpage` environment are `\firstimage` and `\firstarticle` which include, respectively, the main image and the main heading in the front page. The first one takes two arguments *<image>* and *<description>*. Notice that second argument is optional and it declares the image

<sup>2</sup>For a sample file, please look at `magazine-sample.tex` in the doc folder

<sup>3</sup>You also need to load `graphicx`, `xunicode` and `xepersian` packages respectively, after loading the document class and choose fonts for the main text, Latin text and digits in maths formulas. For more detail see [section 2](#) of the documentation.



caption; *<image>* defines the relative path to the image. In order to include the first piece of article use

```
\firstarticle{<title>}{<opening>}{<time>}
```

first two arguments are mandatory and represent heading and the opening paragraph. Last argument is optional (you can leave it blank) and indicates the time when article happened.

```
\secondarticle
```

The second piece of article is included using the command `\secondarticle` just as the first article. The main difference are that this second piece has two more arguments and it does not include an image.

```
\secondarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}
```

The new arguments *<subtitle>* and *<pagesof>* define a subtitle and the name of the section for this piece of article.

```
\thirdarticle
```

The third piece of article is the last one in the xepersian-magazine front page. It works like the `\secondarticle`.

```
\thirdarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}
```

The arguments meaning is the same as `\secondarticle` command.

The front page includes three information blocks besides the news: `indexblock` which contains the index, `authorblock` which includes information about the author and a `weatherblock` containing a weather forecast. All these three environments are mostly a frame in the front page therefore they can be redefined to fit your personal wishes but I kept them to give an example and to respect the original xepersian-magazine format.

```
\indexitem
```

The `indexblock` environment contains a manually edited index of xepersian-magazine. It takes one optional argument *<title>* and places a title over the index block. To add entries inside the index just type

```
\indexitem{<title>}{<reference>}
```

inside the environment. The *<title>* is the index entry text and the *<reference>* points to a article inside xepersian-magazine. It will be more clear when you read [subsub-](#)



[section 6.1.4](#). In order to get a correct output, it is necessary to leave a blank line between index items.

The `authorblock` environment can include whatever you would like. I called it `authorblock` because I think it is nice to include some author reference in the front page: who you are, why are you doing this... This environment creates a frame box in the bottom right corner of the front page with your own logo at the top.

```
\weatheritem
```

Finally, the `weatherblock` lets you include a weather forecast. It takes one optional argument  $\langle title \rangle$  that places a title over the weather block. It can fit up to three weather icons with maximum and minimum temperatures, description and name. To add each of the weather entries type the following

```
\weatheritem{\langle image \rangle}{\langle day-name \rangle}{\langle max \rangle} {\langle min \rangle}{\langle short-des \rangle}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy),  $\langle day-name \rangle$  like Monday,  $\langle max \rangle$  and  $\langle min \rangle$  are the highest and lowest day temperatures and  $\langle short-des \rangle$  is a brief description of the weather condition: partly cloudy, sunny and windy ...

#### 6.1.4 Inside

Once we have created the front page we should include all articles inside our magazine. `xepersian-magazine` arranges all articles one after each other, expanding headings all over the page and splitting the article text in the number of columns we wish. There are three different environments to define a piece of article: the `article` environment described in [subsubsection 6.1.5](#), the `editorial` environment [subsubsection 6.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsubsection 6.1.7](#).

#### 6.1.5 The article environment

The main environment to include a piece of article is called `article`. It takes four arguments that set up the headings and structure of the article.

```
\begin{article}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle} {\langle pagesof \rangle}{\langle label \rangle}  
... \langle text \rangle ...  
\end{article}
```

The first argument  $\langle num-of-columns \rangle$  sets the number of columns the article will be divided whereas  $\langle label \rangle$  is used when pointing an article from the index in the front page. The rest of the arguments are easy to understand.

Inside the `article` environment, besides the main text of the article, it is possible to include additional information using several class commands.



```
\authorandplace \timestamp
```

The `\authorandplace{author}{place}` inserts the name of the editor and the place where the article happened in the way many magazines do. Another useful command is `\timestamp{time}` which includes the time and a separator just before the text. These two commands should be used before the text because they type the text as the same place they are executed.

```
\image
```

To include images within the text of an article, xepersian-magazine provides an `\image` command. Since multicols package does not provide any float support for its multicols environment, I created a macro that includes an image only if that is possible, calculating if there is enough space for the image. It is not the best solution but it works quite well and I could not find a better one. To include an image use the command and its two arguments: the relative path to the image and a short description.

```
\image{image}{description}
```

```
\columnntitle \expandedtitle
```

Within the text of the article, it is possible to add column and expanded titles. The main difference between them is that the first one keeps inside the width of an article column whereas the second expands all over the width of the page, breaking all the columns. Their use is analogous, as follows

```
\columnntitle{type}{text}  
\expandedtitle{type}{text}
```

These two commands use fancybox package features. That is why there are five different types of titles which correspond mainly with fancybox ones: shadowbox, doublebox, ovalbox, Ovalbox and lines.

### 6.1.6 The editorial environment

In addition to the editorial article environment, one can use the editorial environment to create editorial or opinion texts. The main feature is that it transforms the style of the heading. Although this environment accepts all the commands article takes, it does not make any sense to use the `\authorandplace` command within it since it includes an author argument. To create an editorial text use



```
\begin{editorial}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle author \rangle}{\langle label \rangle}
...{\langle text \rangle}...
\end{editorial}
```

All arguments have the same meaning as article environment (see [subsubsection 6.1.5](#)).

### 6.1.7 The shortarticle environment

The shortarticle environment creates a block of short article. Although it has its own title and subtitle, each piece of article within it may have a title. To use it just type:

```
\begin{shortarticle}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle label \rangle}
...{\langle text \rangle}...
\shortarticleitem{\langle title \rangle}{\langle text \rangle}
...
\end{shortarticle}
```

You can also specify the number of columns of the block like editorial and article environments. To add a piece of article inside the shortarticle use the `\shortarticleitem`, indicating a title and the text of the issue.

### 6.1.8 Commands between articles

```
\articlesep \newsection
```

There are two commands you can use among the articles inside xepersian-magazine: `\articlesep` and `\newsection`. The first one does not take any parameter and just draws a line between two articles. The second changes the content of `\xepersian@section` to the new *section name*. From the point it is used, all articles which follow will be grouped within the new section.

```
\newsection{\langle section name \rangle}
```

### 6.1.9 Customization

xepersian-magazine includes many commands which can be used to customize its aspect, from the front page to the last page. I will list them grouped so it is easy to find them. Treat them as standard  $\text{\LaTeX}$  commands, using `\renewcommand` to change their behaviour.



### 6.1.10 Front Page

```
\customlogo \customminilogo \custommagazinenam
```

When creating a magazine, everyone wants to show its own logo instead of xepersian-magazine default heading. To achieve this, you need to put the following command at the preamble of your document:

```
\customlogo{<text>}  
\customminilogo{<text>}  
\custommagazinenam{<text>}
```

```
\edition \editionformat
```

The edition text has to be declared in the preamble of the document. One important thing to know is that `\author`, `\date` and `\title` have no effect inside xepersian-magazine since the magazine date is taken from `\today` command and the other two are only for the title page (if using `\maketitle`).

```
\indexFormat \indexEntryFormat \indexEntryPageTxt  
\indexEntryPageFormat \indexEntrySeparator
```

When defining the index in the front page, there are several commands to customize the final index style. `\indexFormat` sets the format of the title; `\indexEntryFormat`, the format of each index entry; `\indexEntryPageTxt` and `\indexEntryPageFormat` lets you define which is the text that goes with the page number and its format. Finally, xepersian-magazine creates a thin line between index entries, you can redefine it using `\indexEntrySeparator`. To get the index with `\xepersian@indexwidth` is provided.

```
\weatherFormat \weatherTempFormat \weatherUnits
```

Relating to the weather block, the title format can be changed redefining `\weatherFormat`. In order to customize the format of the temperature numbers and their units it is necessary to redefine `\weatherTempFormat` and `\weatherUnits` respectively.

```
\*TitleFormat \*SubtitleFormat \*TextFormat
```

The main article that appear in the front page can change their formats. To obtain that there are three standard commands to modify the title, subtitle and text style. You just have to replace the star (\*) with first, second or third depending on which article you are editing. Note that first piece of article has no subtitle therefore it does not make any sense to use the non-existent command `\firstSubtitleFormat`.



```
\pictureCaptionFormat \pagesFormat
```

Two other elements to configure are the picture captions and the pages or section format in the entire document. To proceed just redefine the macros `\pictureCaptionFormat` and `\pagesFormat`.

#### 6.1.11 Inside The Magazine

```
\innerTitleFormat \innerSubtitleFormat \innerAuthorFormat  
\innerPlaceFormat
```

The articles inside `xepersian-magazine` may have a different format from the ones in the front page. To change their title or subtitle format redefine `\innerTitleFormat` and `\innerSubtitleFormat`. The article text format matches the document general definition. When using the `\authorandplace` command, you might want to change the default style. Just renew `\innerAuthorFormat` and `\innerPlaceFormat` to get the results.

```
\timestampTxt \timestampSeparator \timestampFormat
```

The `\timestamp` command described in [subsubsection 6.1.5](#) lets you introduce the time of the event before the article text. You can configure its appearance by altering several commands: `\timestampTxt` which means the text after the timestamp; `\timestampSeparator` which defines the element between the actual timestamp and the beginning of the text and, finally, `\timestampFormat` to change the entire timestamp format.

```
\innerTextFinalMark
```

`xepersian-magazine` puts a small black square at the end of the article. As I wanted to create a highly customizable  $\text{\LaTeX}$  class I added the macro `\innerTextFinalMark` to change this black square. This item will appear always following the last character of the text with the `~` character.

```
\minraggedcols \raggedFormat
```

The `\minraggedcols` counter is used to tell `xepersian-magazine` when article text should be ragged instead of justified. The counter represents the minimum number of columns that are needed in order to use ragged texts. For example, if `\minraggedcols` is set to 3, all articles with 3 columns or more will be ragged. Articles with 1, 2 columns will have justified text. By default, `\minraggedcols` is set to 4.

The `\raggedFormat` macro can be redefined to fit user ragged style. Default value is `\RaggedLeft`.



```
\heading \foot
```

xepersian-magazine includes package fancyhdr for changing headings and footers. Although it is possible to use its own commands to modify xepersian-magazine style, there are two commands to change headings and foot appearance. Place them in the preamble of your xepersian-magazine document.

```
\heading{\left}\{center}\{right}\  
\foot{\left}\{center}\{right}
```

If you still prefer to use fancyhdr macros, use them after the `frontpage` environment. xepersian-magazine by default places no headers and footers. If you want headers and footers, then after loading xepersian package, you should write `\pagestyle{fancy}` at the preamble of your document.

### 6.1.12 Class Options

The xepersian-magazine class is in itself an alteration of the standard article class, thus it inherits most of its class options but twoside, twocolumn, notitlepage and a4paper. If you find problems when loading other article features, please let me know to fix it. There are also five own options that xepersian-magazine implements.

**a3paper** (false) This option makes xepersian-magazine 297 mm width by 420 mm height. This option is implemented because the standard article class does not allow this document size.

**9pt** (false) Allows the 9pt font size that article class does not include (default is 10pt).

**columnlines** columnlines (false) Adds lines between columns in the entire xepersian-magazine. The default line width is 0.1pt but it is possible to change this by setting length `\columnlines` in the preamble.

**showgrid** (false) This option is only for developing purposes. Because the front page has a personal design using the textpos package, I created this grid to make easier the layout.

## 6.2 Typesetting Multiple-choice Questions

### 6.2.1 Introduction

xepersian-multiplechoice is a package for making multiple choices questionnaires under  $\text{\LaTeX}$ . A special environment allows you to define questions and possible answers. You can specify which answers are correct and which are not. xepersian-multiplechoice not only formats the questions for you, but also generates a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). You can then print the mask on a slide and correct the questionnaires more easily by superimposing the mask on top of students’ forms.



### 6.2.2 Usage

Here we now explain the usage of this package, however there are four example files, namely `test-question-only.tex`, `test-solution-form.tex`, `test-empty-form.tex` and `test-correction.tex`, available in `doc` folder that you may want to look at.

### 6.2.3 Loading The Package

You can load the package as usual by:

```
\usepackage [Options] {xepersian-multiplechoice}
```

The available options are described along the text, where appropriate.

### 6.2.4 Creating Questions

Here's a simple example demonstrating how to produce a new question:

```
1 \begin{question}{سؤال}
2 \false \ جواب
3 \true ۲ جواب
4 \false ۳ جواب
5 \false ۴ جواب
6 \end{question}
7 \begin{correction}
8 جواب واقعی و علت اینکه این جواب، جواب واقعی هست
9 \end{correction}
```

### 6.2.5 The question Environment

The `question` environment allows you to insert questions into your document. It takes one mandatory argument which specifies the actual question's text. The question will be displayed in a frame box, the size of the line.

```
\true \false
```

The proposed answers are displayed below the question in a list fashion (the question environment is a list-based one). Instead of using `\item` however, use either `\true` or `\false` to insert a possible answer.

### 6.2.6 Question Numbers

The `question` environment is associated with a  $\TeX$  counter named `question`. This counter stores the number of the next (or current) question. It is initialized to 1, and automatically incremented at the end of `question` environments. You might want to use it to format question titles. For instance, you could decide that each question belongs to a subsection in the `article` class, and use something like this before each question: `\subsection*{Question \thethequestion}`



### 6.2.7 The Form and the Mask

`\makeform \makemask`

Based on the questions appearing in your document, `xepersian-multiplechoice` has the ability to generate a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). This can make the correction process easier.

To generate a form and a mask, use the macros `\makeform` and `\makemask`. `xepersian-multiplechoice` uses two auxiliary files to build them. These files have respectively an extension of `frm` and `msk`. If you use these macros, you will need two passes of  $\text{\LaTeX}$  in order to get a correctly formatted document.

### 6.2.8 Typesetting corrections

The “correction” mode allows you to automatically typeset and distribute corrections to your students. These corrections are slightly modified versions of your questionnaire: each possible answer is prefixed with a small symbol (a visual clue) indicating whether the answer was correct or wrong. In addition, you can typeset explanations below each question.

To activate the correction mode, use the `correction` option. It is off by default.

To typeset explanations below the questions, use the `correction` environment (no argument). The contents of this environment is displayed only in correction mode. In normal mode, it is simply discarded.

In addition, note that `xepersian-multiplechoice` cancels the actions performed by `\makeform` and `\makemask` in `correction` mode. This is to avoid further edition of the source when typesetting a correction.

### 6.2.9 Important Note

Currently, `xepersian-multiplechoice` requires that you provide a constant number of proposed answers across all questions in your `xepersian-multiplechoice`. This is something natural when you want to build forms, but this might be too restrictive otherwise, I’m not sure, so it is possible that this restriction will be removed in future versions.

Currently, there is a built-in mechanism for checking that the number of proposed answers remains constant: when `xepersian-multiplechoice` encounters the first occurrence of the `question` environment, it remembers the number of proposed answers from there. Afterwards, any noticed difference in subsequent occurrences will generate an error. As a consequence, you never have to tell `xepersian-multiplechoice` explicitly what that number is.

## 6.3 Customising The Package



### 6.3.1 The question environment

```
\questionspace \answerstitlefont \answernumberfont
```

`\questionspace` is the amount of extra vertical space to put under the question, before the list of proposed answers. This is a  $\text{\LaTeX}$  length that defaults to 0pt. Before the list of possible answers, a short title is displayed (for English, it reads “Possible answers:”). The `\answerstitlefont` macro takes one mandatory argument which redefines the font to use for the answers title. By default, `\bfseries` is used. Each proposed answer in the list is numbered automatically (and alphabetically). The `\answernumberfont` macro takes one mandatory argument which redefines the font to use for displaying the answer number. By default, `\bfseries` is used.

### 6.3.2 The Form and the Mask

```
\headerfont \X
```

The `\headerfont` macro takes one mandatory argument which redefines the font to use for the headers (first line and first column) of the form and mask arrays. By default, `\bfseries` is used.

In the mask, correct answers are checked in by filling the corresponding cell with an “X” character. If you want to change this, call the `\X` macro with one (mandatory) argument.

### 6.3.3 The correction

```
\truesymbol \falsesymbol
```

In correction mode, labels in front of answers are modified to give a visual clue about whether the answer was correct or wrong. By default, a cross and a small arrow are used. You can change these symbols by using the `\truesymbol` and `\falsesymbol` macros. For instance, you could give a fancier look to your correction by using the `pifont` package and issuing:

```
\truesymbol{\ding{'063}~}  
\falsesymbol{\ding{'067}~}
```

```
\correctionstyle
```

The appearance of the contents of the correction environment can be adjusted by using the `\correctionstyle` macro. By default, `\itshape` is used.

## 7 xepersian implementation

### 7.1 algorithmic-xepersian.def



```

1 \ProvidesFile{algorithmic-xepersian.def}[2010/07/25 v0.2 adaptations for algorithmic package]
2 \def\algorithmicrequire{\if@RTL\textbf{   }\else\textbf{Require:}\fi}
3 \def\algorithmicensure{\if@RTL\textbf{   }\else\textbf{Ensure:}\fi}

```

## 7.2 algorithm-xepersian.def

```

4 \ProvidesFile{algorithm-xepersian.def}[2010/07/25 v0.2 adaptations for algorithm package]
5 \def\ALG@name{\if@RTL\else\Algorithm\fi}
6 \def\ALGS@name{   }
7 \def\listalgorithmname{\if@RTL\ALGS@name\else List of \ALG@name s\fi}

```

## 7.3 amsart-xepersian.def

```

8 \ProvidesFile{amsart-xepersian.def}[2013/04/26 v0.3 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11   \let\sectionname\appendixname
12   \def\thesection{\@harfi\c@section}}
13
14 \long\def\@footnotetext#1{%
15   \insert\footins{%
16     \if@RTL\footnote\@RTLtrue\else\@RTLfalse\fi%
17     \normalfont\footnotesize
18     \interlinepenalty\interfootnotelinepenalty
19     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
20     \floatingpenalty\@MM \hsize\columnwidth
21     \@parboxrestore \parindent\normalparindent \sloppy
22     \protected@edef\@currentlabel{%
23       \csname p@footnote\endcsname\@thefnmark}%
24     \@makefnmark{%
25       \rule\z@\footnotesep\ignorespaces\if@RTL\footnote#1\else\latinfont#1\fi\unskip\strut\par}}
26
27
28
29
30
31 \long\def\@RTLfootnotetext#1{%
32   \insert\footins{%
33     \@RTLtrue%
34     \normalfont\footnotesize
35     \interlinepenalty\interfootnotelinepenalty
36     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
37     \floatingpenalty\@MM \hsize\columnwidth
38     \@parboxrestore \parindent\normalparindent \sloppy
39     \protected@edef\@currentlabel{%
40       \csname p@footnote\endcsname\@thefnmark}%
41     \@makefnmark{%
42       \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}
43
44
45

```



```

46
47
48
49
50 \long\def\@LTRfootnotetext#1{%
51   \insert\footins{%
52     \@RTLfalse%
53     \normalfont\footnotesize
54     \interlinepenalty\interfootnotelinepenalty
55     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
56     \floatingpenalty\@MM \hsize\columnwidth
57     \@parboxrestore \parindent\normalparindent \sloppy
58     \protected@edef\@currentlabel{%
59       \csname p@footnote\endcsname\@thefnmark}%
60     \@makefnptext{%
61       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
62
63
64 \footdir@temp\footdir@ORG@xepersian@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
65 \footdir@temp\footdir@ORG@xepersian@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
66 \footdir@temp\footdir@ORG@xepersian@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
67

```

## 7.4 amsbook-xepersian.def

```

68 \ProvidesFile{amsbook-xepersian.def}[2013/04/26 v0.4 adaptations for amsbook class]
69 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
70 \renewcommand \thepart {\@tartibi\c@part}
71 \def\appendix{\par
72   \c@chapter\z@ \c@section\z@
73   \let\chaptername\appendixname
74   \def\thechapter{\@harfi\c@chapter}}
75
76 \long\def\@footnotetext#1{%
77   \insert\footins{%
78     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
79     \normalfont\footnotesize
80     \interlinepenalty\interfootnotelinepenalty
81     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
82     \floatingpenalty\@MM \hsize\columnwidth
83     \@parboxrestore \parindent\normalparindent \sloppy
84     \protected@edef\@currentlabel{%
85       \csname p@footnote\endcsname\@thefnmark}%
86     \@makefnptext{%
87       \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
88
89
90
91
92

```



```

93 \long\def\@RTLfootnotetext#1{%
94   \insert\footins{%
95     \@RTLtrue%
96     \normalfont\footnotesize
97     \interlinepenalty\interfootnotelinepenalty
98     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
99     \floatingpenalty\@MM \hsize\columnwidth
100    \@parboxrestore \parindent\normalparindent \sloppy
101    \protected@edef\@currentlabel{%
102      \csname p@footnote\endcsname\@thefnmark}%
103    \@makefntext{%
104      \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}
105
106
107
108
109
110
111
112 \long\def\@LTRfootnotetext#1{%
113   \insert\footins{%
114     \@RTLfalse%
115     \normalfont\footnotesize
116     \interlinepenalty\interfootnotelinepenalty
117     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
118     \floatingpenalty\@MM \hsize\columnwidth
119     \@parboxrestore \parindent\normalparindent \sloppy
120     \protected@edef\@currentlabel{%
121       \csname p@footnote\endcsname\@thefnmark}%
122     \@makefntext{%
123       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
124
125 \footdir@temp\footdir@ORG@xepersian@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}
126 \footdir@temp\footdir@ORG@xepersian@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
127 \footdir@temp\footdir@ORG@xepersian@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
128

```

## 7.5 appendix-xepersian.def

```

129 \ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
130 \renewcommand{\@resets@pp}{\par
131   \@ppsavesec
132   \stepcounter{@pps}
133   \setcounter{section}{0}%
134   \if@chapter@pp
135     \setcounter{chapter}{0}%
136     \renewcommand\@chapapp{\appendixname}%
137     \renewcommand\thechapter{\@harfi@c@chapter}%
138   \else
139     \setcounter{subsection}{0}%

```



```

140 \renewcommand\thesection{\@harfi\c@section}%
141 \fi
142 \restoreapp
143 }

```

## 7.6 article-xepersian.def

```

144 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]
145 \renewcommand \thepart {\@tartibi\c@part}
146 \renewcommand\appendix{\par
147 \setcounter{section}{0}%
148 \setcounter{subsection}{0}%
149 \gdef\thesection{\@harfi\c@section}}

```

## 7.7 artikel1-xepersian.def

```

150 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
151 \renewcommand*\thepart{\@tartibi\c@part}
152 \renewcommand*\appendix{\par
153 \setcounter{section}{0}%
154 \setcounter{subsection}{0}%
155 \gdef\thesection{\@harfi\c@section}}

```

## 7.8 artikel2-xepersian.def

```

156 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
157 \renewcommand*\thepart{\@tartibi\c@part}
158 \renewcommand*\appendix{\par
159 \setcounter{section}{0}%
160 \setcounter{subsection}{0}%
161 \gdef\thesection{\@harfi\c@section}}

```

## 7.9 artikel3-xepersian.def

```

162 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
163 \renewcommand*\thepart{\@tartibi\c@part}
164 \renewcommand*\appendix{\par
165 \setcounter{section}{0}%
166 \setcounter{subsection}{0}%
167 \gdef\thesection{\@harfi\c@section}}

```

## 7.10 backref-xepersian.def

```

168 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
169 \def\backrefpagesname{\if@RTL else\ pages\fi}
170 \def\BR@Latincitex[#1]#2{%
171 \BRorg@Latincitex[#1]#2}%
172 \ifBR@verbose
173 \PackageInfo{backref}{back Latin cite \string`#2\string'}%
174 \fi
175 \Hy@backout{#2}%
176 }
177 \AtBeginDocument{%

```



```

178 \ifundefined{NAT@parse}{%
179   \global\let\BRorg@Latincitex\@Latincitex
180   \global\let\@Latincitex\BR@Latincitex
181 }{%
182   \ifpackageloaded{hyperref}{}%
183   \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
184   }%
185   \PackageInfo{backref}{** backref set up for natbib **}%
186 }%
187 }%

```

## 7.11 bidentuftsidenote-xepersian.def

```

188 \ProvidesFile{bidentuftsidenote-xepersian.def}[2014/12/28 v0.2 xepersian changes to bidentuftsidenote]
189 \setLTRcitationfont{\@bidentuftsidenote@marginfont\latinfont}
190 \long\def\@LTRbidentuftsidenote@sidenote[#1][#2]#3{%
191   \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
192   \gdef\@bidentuftsidenote@citations{}% clear out any old citations
193   \ifthenelse{\NOT\isempty{#2}}{%
194     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
195   }{%
196     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
197   }%
198   \ifthenelse{\isempty{#1}}{%
199     % no specific footnote number provided
200     \stepcounter\@mpfn%
201     \protected@xdef\@thefnmark{\thempfn}%
202     \@footnotemark\@LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\latinfont#3}%
203   }{%
204     % specific footnote number provided
205     \begingroup%
206       \csname c@\@mpfn@endcsname #1\relax%
207       \unrestored@protected@xdef\@thefnmark{\thempfn}%
208     \endgroup%
209     \@footnotemark\@LTRfootnotetext[\@bidentuftsidenote@sidenote@vertical@offset]{\latinfont#3}%
210   }%
211   \@bidentuftsidenote@print@citations% print any citations
212   \let\cite\@bidentuftsidenote@normal@cite% go back to using normal in-text \cite command
213   \unskip\ignorespaces% remove extra white space
214   \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
215   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
216 }
217 \long\def\@RTLbidentuftsidenote@sidenote[#1][#2]#3{%
218   \let\cite\@bidentuftsidenote@infootnote@cite% use the in-sidenote \cite command
219   \gdef\@bidentuftsidenote@citations{}% clear out any old citations
220   \ifthenelse{\NOT\isempty{#2}}{%
221     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{#2}%
222   }{%
223     \gsetlength{\@bidentuftsidenote@sidenote@vertical@offset}{0pt}%
224   }%

```



```

225 \ifthenelse{\isempty{#1}}{%
226   % no specific footnote number provided
227   \stepcounter\@mpfn%
228   \protected@xdef\@thefnmark{\thempfn}%
229   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
230 }{%
231   % specific footnote number provided
232   \begingroup%
233     \csname c@\@mpfn\endcsname #1\relax%
234     \unrestored@protected@xdef\@thefnmark{\thempfn}%
235     \endgroup%
236     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{\persianfont#
237 }%
238 \@bidityftesidenote@print@citations%          print any citations
239 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
240 \unskip\ignorespaces%                          remove extra white space
241 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
242 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
243 }
244 \renewcommand\LTRmarginnote[2][Opt]{%
245   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
246   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
247   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\latinfont
248   \@bidityftesidenote@print@citations%          print any citations
249   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
250 }
251 \renewcommand\RTLmarginnote[2][Opt]{%
252   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
253   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
254   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\persianfont
255   \@bidityftesidenote@print@citations%          print any citations
256   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
257 }

```

## 7.12 bidimoderncv-xepersian.def

```

258 \ProvidesFile{bidimoderncv-xepersian.def}[2010/07/25 v0.1 adaptations for bidimoderncv class]
259 \def\refname{\if@RTL else\    Publications\fi}

```

## 7.13 boek3-xepersian.def

```

260 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
261 \renewcommand*\thepart{\@tartibi\c@part}
262 \renewcommand*\frontmatter{%
263   \cleardoublepage
264   \@mainmatterfalse
265   \pagenumbering{harfi}}
266 \renewcommand*\appendix{\par
267   \setcounter{chapter}{0}%
268   \setcounter{section}{0}%
269   \gdef\@chapapp{\appendixname}%

```



```
270 \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.14 boek-xepersian.def

```
271 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
272 \renewcommand*\thepart{\@tartibi\c@part}
273 \renewcommand*\frontmatter{%
274   \cleardoublepage
275   \@mainmatterfalse
276   \pagenumbering{harfi}}
277 \renewcommand*\appendix{\par
278   \setcounter{chapter}{0}%
279   \setcounter{section}{0}%
280   \gdef\@chapapp{\appendixname}%
281   \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.15 bookest-xepersian.def

```
282 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
283 \renewcommand \thepart {\@tartibi\c@part}
284 \renewcommand\appendix{\par
285   \setcounter{chapter}{0}%
286   \setcounter{section}{0}%
287   \gdef\@chapapp{\appendixname}%
288   \gdef\thechapter{\@harfi\c@chapter}
289 }%end appendix
```

## 7.16 book-xepersian.def

```
290 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
291 \renewcommand\frontmatter{%
292   \cleardoublepage
293   \@mainmatterfalse
294   \pagenumbering{harfi}}
295 \renewcommand \thepart {\@tartibi\c@part}
296 \renewcommand\appendix{\par
297   \setcounter{chapter}{0}%
298   \setcounter{section}{0}%
299   \gdef\@chapapp{\appendixname}%
300   \gdef\thechapter{\@harfi\c@chapter}
301 }%end appendix
```

## 7.17 breqn-xepersian.def

```
302 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
303 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
304   \everydisplay\expandafter\the\everydisplay \display@setup}%
305   \if@noskipsec \leavevmode \fi
306   \if@inlabel \leavevmode \global\@inlabelfalse \fi
307   \if\eq@group\else\eq@prelim\fi
308   \setkeys{breqn}{#1}%
309   \the\eqstyle
310   \eq@setnumber
```



```

311 \begingroup
312 \eq@setup@a
313 \eq@startup
314 }
315 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
316 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
317 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
318 \global\let\GRP@label\@empty
319 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
320 \global\grp@linewidth\z@\global\grp@wdNum\z@
321 \global\let\grp@eqs@numbered\@False
322 \global\let\grp@aligned\@True
323 \global\let\grp@shiftnumber\@False
324 \eq@prelim
325 \setkeys{breqn}{#1}%
326 \if\grp@hasNumber \grp@setnumber \fi
327 }
328 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
329 \let\display@setup\dseries@display@setup
330 % Question: should this be the default for dseries???
331 \global\eq@wdCond\z@
332 \@dmath[layout={M},#1]%
333 \mathsurround\z@\@math \penalty\@Mi
334 \let\endmath\ends@math
335 \def\premath{%
336 \ifdim\lastskip<.3em \unskip
337 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
338 }%
339 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
340 \ignorespaces
341 }

```

## 7.18 latex-localise-commands-xepersian.def

```

342 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of La
343 \eqcommand{ }{@arstrut}
344 \eqcommand{ }{above}
345 \eqcommand{ }{abovedisplayshortskip}
346 \eqcommand{ }{abovedisplayskip}
347 \eqcommand{ }{abstractname}
348 \eqcommand{ }{accent}
349 \eqcommand{ }{active}
350 \eqcommand{ }{addcontentsline}
351 \eqcommand{ }{addpenalty}
352 \eqcommand{ }{address}
353 \eqcommand{ }{addtocontents}
354 \eqcommand{ }{addtocounter}
355 \eqcommand{ }{addtolength}
356 \eqcommand{ }{addvspace}
357 \eqcommand{ }{adjdemerits}

```



```

358 \eqcommand{      }{advance}
359 \eqcommand{      }{afterassignment}
360 \eqcommand{      }{aftergroup}
361 \eqcommand{ }{aleph}
362 \eqcommand{      }{aliasfontfeature}
363 \eqcommand{      }{aliasfontfeatureoption}
364 \eqcommand{      }{allowbreak}
365 \eqcommand{ @}{alloc@}
366 \eqcommand{      }{allocationnumber}
367 \eqcommand{      }{allowdisplaybreaks}
368 \eqcommand{      }{Alph}
369 \eqcommand{      }{alph}
370 \eqcommand{      }{alsoname}
371 \eqcommand{ }{and}
372 \eqcommand{      }{angle}
373 \eqcommand{      }{appendixname}
374 \eqcommand{      }{approx}
375 \eqcommand{      }{arabic}
376 \eqcommand{ }{arg}
377 \eqcommand{      }{arrayrulecolor}
378 \eqcommand{      }{arraycolsep}
379 \eqcommand{      }{arrayrulewidth}
380 \eqcommand{      }{arraystretch}
381 \eqcommand{      }{AtBeginDocument}
382 \eqcommand{      }{AtEndDocument}
383 \eqcommand{      }{AtEndOfClass}
384 \eqcommand{      }{AtEndOfPackage}
385 \eqcommand{      }{author}
386 \eqcommand{      }{backmatter}
387 \eqcommand{      }{backslash}
388 \eqcommand{      }{badness}
389 \eqcommand{ }{bar}
390 \eqcommand{      }{baselineskip}
391 \eqcommand{      }{baselinestretch}
392 \eqcommand{      }{batchmode}
393 \eqcommand{ }{begin}
394 \eqcommand{      }{beginL}
395 \eqcommand{      }{beginR}
396 \eqcommand{      }{begingroup}
397 \eqcommand{      }{belowdisplayshortskip}
398 \eqcommand{      }{belowdisplayskip}
399 \eqcommand{ }{bf}
400 \eqcommand{      }{bfdefault}
401 \eqcommand{      }{bfseries}
402 \eqcommand{      }{bgroup}
403 \eqcommand{ }{bibitem}
404 \eqcommand{      }{bibliography}
405 \eqcommand{      }{bibliographystyle}
406 \eqcommand{      }{bibname}
407 \eqcommand{      }{bigskip}

```



```

408 \eqcommand{      }{bigskipamount}
409 \eqcommand{      }{botfigrule}
410 \eqcommand{      }{botmark}
411 \eqcommand{      }{bottompageskip}
412 \eqcommand{      }{bottomfraction}
413 \eqcommand{ }{box}
414 \eqcommand{      }{boxmaxdepth}
415 \eqcommand{ }{break}
416 \eqcommand{ }{bullet}
417 \eqcommand{ @ }{@cclv}
418 \eqcommand{ @ }{@cclvi}
419 \eqcommand{ }{caption}
420 \eqcommand{ }{catcode}
421 \eqcommand{ }{cc}
422 \eqcommand{      }{ccname}
423 \eqcommand{      }{cdot}
424 \eqcommand{      }{cdots}
425 \eqcommand{      }{centering}
426 \eqcommand{ }{centerline}
427 \eqcommand{ @ }{ch@ck}
428 \eqcommand{ }{chapter}
429 \eqcommand{      }{chaptername}
430 \eqcommand{ }{char}
431 \eqcommand{      }{chardef}
432 \eqcommand{      }{CheckCommand}
433 \eqcommand{ }{cite}
434 \eqcommand{      }{ClassError}
435 \eqcommand{      }{ClassInfo}
436 \eqcommand{      }{ClassWarning}
437 \eqcommand{      }{ClassWarningNoLine}
438 \eqcommand{      }{cleaders}
439 \eqcommand{      }{cleardoublepage}
440 \eqcommand{      }{clearpage}
441 \eqcommand{ }{cline}
442 \eqcommand{      }{closein}
443 \eqcommand{      }{closeout}
444 \eqcommand{ }{closing}
445 \eqcommand{      }{clubpenalty}
446 \eqcommand{ }{clubsuit}
447 \eqcommand{      }{colbotmark}
448 \eqcommand{      }{colfirstmark}
449 \eqcommand{ }{color}
450 \eqcommand{      }{colorbox}
451 \eqcommand{      }{coltopmark}
452 \eqcommand{      }{columncolor}
453 \eqcommand{      }{columnsep}
454 \eqcommand{      }{columnwidth}
455 \eqcommand{      }{columnseprule}
456 \eqcommand{      }{contentsline}
457 \eqcommand{      }{contentsname}

```



```

458 \eqcommand{ }{copy}
459 \eqcommand{ }{copyright}
460 \eqcommand{ }{count}
461 \eqcommand{ @}{count@}
462 \eqcommand{ }{countdef}
463 \eqcommand{ }{cr}
464 \eqcommand{ }{crrcr}
465 \eqcommand{ }{csname}
466 \eqcommand{ }{CurrentOption}
467 \eqcommand{ }{dashbox}
468 \eqcommand{ }{dashv}
469 \eqcommand{@ }{@date}
470 \eqcommand{ }{date}
471 \eqcommand{ }{day}
472 \eqcommand{ }{dblbotfigrule}
473 \eqcommand{ }{dblbottomfraction}
474 \eqcommand{ }{dblfigrule}
475 \eqcommand{ }{dblfloatpagefraction}
476 \eqcommand{ }{dblfloatsep}
477 \eqcommand{ }{dblftntlocatecode}
478 \eqcommand{ }{dbltextfloatsep}
479 \eqcommand{ }{dbltopfraction}
480 \eqcommand{ }{DeclareFixedFont}
481 \eqcommand{ }{DeclareGraphicsExtensions}
482 \eqcommand{ }{DeclareGraphicsRule}
483 \eqcommand{ }{DeclareOldFontCommand}
484 \eqcommand{ }{DeclareOption}
485 \eqcommand{ }{DeclareRobustCommand}
486 \eqcommand{ }{DeclareSymbolFont}
487 \eqcommand{ }{deadcycles}
488 \eqcommand{ }{def}
489 \eqcommand{ @ }{define@key}
490 \eqcommand{ }{definecolor}
491 \eqcommand{ }{deg}
492 \eqcommand{ }{delcode}
493 \eqcommand{ }{delimiter}
494 \eqcommand{ }{delimiterfactor}
495 \eqcommand{ }{depth}
496 \eqcommand{ }{diamondsuit}
497 \eqcommand{ }{dim}
498 \eqcommand{ }{dimen}
499 \eqcommand{ @}{dimen@}
500 \eqcommand{ @ }{dimen@i}
501 \eqcommand{ @ }{dimen@ii}
502 \eqcommand{ }{dimendef}
503 \eqcommand{ }{discretionary}
504 \eqcommand{ }{displaybreak}
505 \eqcommand{ }{displayindent}
506 \eqcommand{ }{displaystyle}
507 \eqcommand{ }{displaywidth}

```



```

508 \eqcommand{ }{divide}
509 \eqcommand{ }{documentclass}
510 \eqcommand{ }{do}
511 \eqcommand{ }{dospecials}
512 \eqcommand{ }{dot}
513 \eqcommand{ }{doteq}
514 \eqcommand{ }{dotfill}
515 \eqcommand{ }{dots}
516 \eqcommand{ }{doublebox}
517 \eqcommand{ }{doublerulesepcolor}
518 \eqcommand{ }{doublerulesep}
519 \eqcommand{ }{downarrow}
520 \eqcommand{ }{dp}
521 \eqcommand{ }{dump}
522 \eqcommand{ }{edef}
523 \eqcommand{ }{egroup}
524 \eqcommand{ }{eject}
525 \eqcommand{ }{else}
526 \eqcommand{ }{em}
527 \eqcommand{ }{emergencystretch}
528 \eqcommand{ }{emph}
529 \eqcommand{@ }{@empty}
530 \eqcommand{ }{empty}
531 \eqcommand{ }{emptyset}
532 \eqcommand{ }{end}
533 \eqcommand{ }{endL}
534 \eqcommand{ }{endR}
535 \eqcommand{ }{endcsname}
536 \eqcommand{ }{endfirsthead}
537 \eqcommand{ }{endfoot}
538 \eqcommand{ }{endgraf}
539 \eqcommand{ }{endgroup}
540 \eqcommand{ }{endhead}
541 \eqcommand{ }{endinput}
542 \eqcommand{ }{endlastfoot}
543 \eqcommand{ }{enlargethispage}
544 \eqcommand{ }{endline}
545 \eqcommand{ }{endlinechar}
546 \eqcommand{ }{enspace}
547 \eqcommand{ }{enskip}
548 \eqcommand{ }{eqcommand}
549 \eqcommand{ }{eqenvironment}
550 \eqcommand{ }{eqref}
551 \eqcommand{ }{errhelp}
552 \eqcommand{ }{errmessage}
553 \eqcommand{ }{errorcontextlines}
554 \eqcommand{ }{errorstopmode}
555 \eqcommand{ }{escapechar}
556 \eqcommand{ }{euro}
557 \eqcommand{ }{evensidemargin}

```



```

558 \eqcommand{ }{everycr}
559 \eqcommand{ }{everydisplay}
560 \eqcommand{ }{everyhbox}
561 \eqcommand{ }{everyjob}
562 \eqcommand{ }{everymath}
563 \eqcommand{ }{everypar}
564 \eqcommand{ }{everyvbox}
565 \eqcommand{ }{ExecuteOptions}
566 \eqcommand{ }{exhyphenpenalty}
567 \eqcommand{ }{expandafter}
568 \eqcommand{ }{extracolsep}
569 \eqcommand{@ }{@firstofone}
570 \eqcommand{@ }{@firstoftwo}
571 \eqcommand{ @ }{f@ur}
572 \eqcommand{ }{fam}
573 \eqcommand{ }{fancypage}
574 \eqcommand{ }{fbox}
575 \eqcommand{ }{fboxrule}
576 \eqcommand{ }{fboxsep}
577 \eqcommand{ }{fcolorbox}
578 \eqcommand{ }{fi}
579 \eqcommand{ }{figurename}
580 \eqcommand{ }{filbreak}
581 \eqcommand{ }{fill}
582 \eqcommand{ }{firstmark}
583 \eqcommand{ }{flat}
584 \eqcommand{ }{floatpagefraction}
585 \eqcommand{ }{floatingpenalty}
586 \eqcommand{ }{floatsep}
587 \eqcommand{ }{flushbottom}
588 \eqcommand{ }{fmtname}
589 \eqcommand{ }{fmtversion}
590 \eqcommand{ }{fnsymbol}
591 \eqcommand{ }{font}
592 \eqcommand{ }{fontdimen}
593 \eqcommand{ }{fontencoding}
594 \eqcommand{ }{fontfamily}
595 \eqcommand{ }{fontname}
596 \eqcommand{ }{fontseries}
597 \eqcommand{ }{fontshape}
598 \eqcommand{ }{fontsize}
599 \eqcommand{ }{footheight}
600 \eqcommand{ }{footins}
601 \eqcommand{ }{footnote}
602 \eqcommand{ }{footnotemark}
603 \eqcommand{ }{footnoterule}
604 \eqcommand{ }{footnotesep}
605 \eqcommand{ }{footnotesize}
606 \eqcommand{ }{footnotetext}
607 \eqcommand{ }{footskip}

```



```

608 \eqcommand{ }{frame}
609 \eqcommand{ }{framebox}
610 \eqcommand{ }{frenchspacing}
611 \eqcommand{ }{frontmatter}
612 \eqcommand{ }{futurelet}
613 \eqcommand{@ }{@gobble}
614 \eqcommand{@ }{@gobbletwo}
615 \eqcommand{@ }{@gobblefour}
616 \eqcommand{@ }{@gtempa}
617 \eqcommand{@ }{@gtempb}
618 \eqcommand{ }{gdef}
619 \eqcommand{ }{GenericInfo}
620 \eqcommand{ }{GenericWarning}
621 \eqcommand{ }{GenericError}
622 \eqcommand{ }{global}
623 \eqcommand{ }{globaldefs}
624 \eqcommand{ }{glossary}
625 \eqcommand{ }{glossaryentry}
626 \eqcommand{ }{goodbreak}
627 \eqcommand{ }{graphpaper}
628 \eqcommand{ }{guillemotleft}
629 \eqcommand{ }{guillemotright}
630 \eqcommand{ }{guilsinglleft}
631 \eqcommand{ }{guilsinglright}
632 \eqcommand{ }{halign}
633 \eqcommand{ }{hang}
634 \eqcommand{ }{hangafter}
635 \eqcommand{ }{hangindent}
636 \eqcommand{ }{hbadness}
637 \eqcommand{ }{hbox}
638 \eqcommand{ }{headheight}
639 \eqcommand{ }{headsep}
640 \eqcommand{ }{headtoname}
641 \eqcommand{ }{heartsuit}
642 \eqcommand{ }{height}
643 \eqcommand{ }{hfil}
644 \eqcommand{ }{hfill}
645 \eqcommand{ }{hfilneg}
646 \eqcommand{ }{hfuzz}
647 \eqcommand{ }{hideskip}
648 \eqcommand{ }{hidewidth}
649 \bidi@csletcs{ }{hline}% this is an exception
650 \eqcommand{ }{hoffset}
651 \eqcommand{ }{holdinginserts}
652 \eqcommand{ }{hrboxsep}
653 \eqcommand{ }{hrule}
654 \eqcommand{ }{hrulefill}
655 \eqcommand{ }{hsize}
656 \eqcommand{ }{hskip}
657 \eqcommand{ }{hspace}

```



```

658 \eqcommand{ }{hss}
659 \eqcommand{ }{ht}
660 \eqcommand{ }{huge}
661 \eqcommand{ }{Huge}
662 \eqcommand{ }{hyperlink}
663 \eqcommand{ }{hypersetup}
664 \eqcommand{ }{hypertarget}
665 \eqcommand{ }{hyphenation}
666 \eqcommand{ }{hyphenchar}
667 \eqcommand{ }{hyphenpenalty}
668 \eqcommand{@ }{@ifclassloaded}
669 \eqcommand{@ }{@ifdefinable}
670 \eqcommand{@ }{@ifnextchar}
671 \eqcommand{@ }{@ifpackageloaded}
672 \eqcommand{@ }{@ifstar}
673 \eqcommand{@ }{@ifundefined}
674 \eqcommand{ }{if}
675 \eqcommand{ @ }{if@tempswa}
676 \eqcommand{ }{ifcase}
677 \eqcommand{ }{ifcat}
678 \eqcommand{ }{ifdefined}
679 \eqcommand{ }{ifdim}
680 \eqcommand{ }{ifeof}
681 \eqcommand{ }{iff}
682 \eqcommand{ }{iffalse}
683 \eqcommand{ }{IfFileExists}
684 \eqcommand{ }{ifhbox}
685 \eqcommand{ }{ifhmode}
686 \eqcommand{ }{ifinner}
687 \eqcommand{ }{ifmmode}
688 \eqcommand{ }{ifnum}
689 \eqcommand{ }{ifodd}
690 \eqcommand{ }{ifthenelse}
691 \eqcommand{ }{iftrue}
692 \eqcommand{ }{ifvbox}
693 \eqcommand{ }{ifvmode}
694 \eqcommand{ }{ifvoid}
695 \eqcommand{ }{ifx}
696 \eqcommand{ }{ignorespaces}
697 \eqcommand{ }{immediate}
698 \eqcommand{ }{include}
699 \eqcommand{ }{includegraphics}
700 \eqcommand{ }{includeonly}
701 \eqcommand{ }{indent}
702 \eqcommand{ }{index}
703 \eqcommand{ }{indexentry}
704 \eqcommand{ }{indexname}
705 \eqcommand{ }{indexspace}
706 \eqcommand{ }{input}
707 \eqcommand{ }{InputIfFileExists}

```



```

708 \eqcommand{      }\{inputlineno}
709 \eqcommand{      }\{insert}
710 \eqcommand{      }\{insertpenalties}
711 \eqcommand{      }\{interfootnotelinepenalty}
712 \eqcommand{      }\{interdisplaylinepenalty}
713 \eqcommand{      }\{interlinepenalty}
714 \eqcommand{      }\{intertext}
715 \eqcommand{      }\{intertextsep}
716 \eqcommand{      }\{invisible}
717 \eqcommand{      }\{itdefault}
718 \eqcommand{      }\{itshape}
719 \eqcommand{      }\{item}
720 \eqcommand{      }\{itemindent}
721 \eqcommand{      }\{itemsep}
722 \eqcommand{      }\{iterate}
723 \eqcommand{      }\{itshape}
724 \eqcommand{      }\{jobname}
725 \eqcommand{      }\{jot}
726 \eqcommand{      }\{kern}
727 \eqcommand{      }\{kill}
728 \eqcommand{      }\{label}
729 \eqcommand{      }\{labelenumi}
730 \eqcommand{      }\{labelenumii}
731 \eqcommand{      }\{labelenumiii}
732 \eqcommand{      }\{labelenumiv}
733 \eqcommand{      }\{labelitemi}
734 \eqcommand{      }\{labelitemii}
735 \eqcommand{      }\{labelitemiii}
736 \eqcommand{      }\{labelitemiv}
737 \eqcommand{      }\{labelsep}
738 \eqcommand{      }\{labelwidth}
739 \eqcommand{      }\{language}
740 \eqcommand{      }\{large}
741 \eqcommand{      }\{Large}
742 \eqcommand{      }\{LARGE}
743 \eqcommand{      }\{lastbox}
744 \eqcommand{      }\{lastkern}
745 \eqcommand{      }\{lastpenalty}
746 \eqcommand{      }\{lastskip}
747 \eqcommand{      }\{LaTeX}
748 \eqcommand{      }\{LaTeXe}
749 \eqcommand{      }\{lccode}
750 \eqcommand{      }\{ldots}
751 \eqcommand{      }\{leaders}
752 \eqcommand{      }\{leavevmode}
753 \eqcommand{      }\{left}
754 \eqcommand{      }\{leftmargin}
755 \eqcommand{      }\{leftmargini}
756 \eqcommand{      }\{leftmarginii}
757 \eqcommand{      }\{leftmarginiii}

```



```

758 \eqcommand{      }\{leftmarginiv\}
759 \eqcommand{      }\{leftmarginv\}
760 \eqcommand{      }\{leftmarginvi\}
761 \eqcommand{      }\{leftmark\}
762 \eqcommand{      }\{leftpageskip\}
763 \eqcommand{      }\{leftskip\}
764 \eqcommand{      }\{let\}
765 \eqcommand{      }\{line\}
766 \eqcommand{      }\{linebreak\}
767 \eqcommand{      }\{linepenalty\}
768 \eqcommand{      }\{lineskip\}
769 \eqcommand{      }\{lineskiplimit\}
770 \eqcommand{      }\{linespread\}
771 \eqcommand{      }\{linethickness\}
772 \eqcommand{      }\{linewidth\}
773 \eqcommand{      }\{listfigurename\}
774 \eqcommand{      }\{listfiles\}
775 \eqcommand{      }\{listoffigures\}
776 \eqcommand{      }\{listoftables\}
777 \eqcommand{      }\{listparindent\}
778 \eqcommand{      }\{listtablename\}
779 \eqcommand{      }\{LoadClass\}
780 \eqcommand{      }\{LoadClassWithOptions\}
781 \eqcommand{      }\{location\}
782 \eqcommand{      }\{long\}
783 \eqcommand{      }\{looseness\}
784 \eqcommand{      }\{lower\}
785 \eqcommand{@      }\{@makeother\}
786 \eqcommand{@      }\{@m\}
787 \eqcommand{ @      }\{@M\}
788 \eqcommand{ @      }\{@Mi\}
789 \eqcommand{ @      }\{@Mii\}
790 \eqcommand{ @      }\{@Miii\}
791 \eqcommand{ @      }\{@Miv\}
792 \eqcommand{ @      }\{@MM\}
793 \eqcommand{ @      }\{@m@ne\}
794 \eqcommand{      }\{mag\}
795 \eqcommand{      }\{magstep\}
796 \eqcommand{      }\{magstephalf\}
797 \eqcommand{      }\{mainmatter\}
798 \eqcommand{      }\{makeatletter\}
799 \eqcommand{      }\{makeatother\}
800 \eqcommand{      }\{makebox\}
801 \eqcommand{      }\{makeglossary\}
802 \eqcommand{      }\{makeindex\}
803 \eqcommand{      }\{makelabel\}
804 \eqcommand{      }\{makelabels\}
805 \eqcommand{      }\{MakeLowercase\}
806 \eqcommand{      }\{maketitle\}
807 \eqcommand{      }\{MakeUppercase\}

```



```

808 \eqcommand{      }\{marginpar\}
809 \eqcommand{      }\{marginparpush\}
810 \eqcommand{      }\{marginparsep\}
811 \eqcommand{      }\{marginparwidth\}
812 \eqcommand{      }\{mark\}
813 \eqcommand{      }\{markboth\}
814 \eqcommand{      }\{markright\}
815 \eqcommand{      }\{mathaccent\}
816 \eqcommand{      }\{mathchar\}
817 \eqcommand{      }\{mathchardef\}
818 \eqcommand{      }\{mathcode\}
819 \eqcommand{      }\{mathrm\}
820 \eqcommand{      }\{maxdeadcycles\}
821 \eqcommand{      }\{maxdepth\}
822 \eqcommand{      }\{maxdimen\}
823 \eqcommand{      }\{mbox\}
824 \eqcommand{      }\{mdseries\}
825 \eqcommand{      }\{meaning\}
826 \eqcommand{      }\{mediumseries\}
827 \eqcommand{      }\{medmuskip\}
828 \eqcommand{      }\{medskip\}
829 \eqcommand{      }\{medskipamount\}
830 \eqcommand{      }\{medspace\}
831 \eqcommand{      }\{message\}
832 \eqcommand{      }\{MessageBreak\}
833 \eqcommand{      }\{minrowclearance\}
834 \eqcommand{      }\{mkern\}
835 \eqcommand{      }\{month\}
836 \eqcommand{      }\{moveleft\}
837 \eqcommand{      }\{moveright\}
838 \eqcommand{      }\{mskip\}
839 \eqcommand{ @ }\{m@th\}
840 \eqcommand{      }\{multicolumn\}
841 \eqcommand{      }\{multiply\}
842 \eqcommand{      }\{multispan\}
843 \eqcommand{      }\{muskip\}
844 \eqcommand{      }\{muskipdef\}
845 \eqcommand{@ }\{ @namedef\}
846 \eqcommand{@ }\{ @nameuse\}
847 \eqcommand{ @ }\{ @ne\}
848 \eqcommand{      }\{name\}
849 \eqcommand{      }\{natural\}
850 \eqcommand{      }\{nearrow\}
851 \eqcommand{      }\{nearrower\}
852 \eqcommand{      }\{NeedsTeXFormat\}
853 \eqcommand{      }\{neg\}
854 \eqcommand{      }\{negmedspace\}
855 \eqcommand{      }\{negthickspace\}
856 \eqcommand{      }\{negthinspace\}
857 \eqcommand{      }\{newboolean\}

```



```

858 \eqcommand{    }{newbox}
859 \eqcommand{    }{newcommand}
860 \eqcommand{    }{newcount}
861 \eqcommand{    }{newcounter}
862 \eqcommand{    }{newdimen}
863 \eqcommand{    }{newenvironment}
864 \eqcommand{    }{newfam}
865 \eqcommand{    }{newfont}
866 \eqcommand{    }{newhelp}
867 \eqcommand{    }{newinsert}
868 \eqcommand{    }{newlabel}
869 \eqcommand{    }{newlength}
870 \eqcommand{    }{newline}
871 \eqcommand{    }{newlinechar}
872 \eqcommand{    }{newmuskip}
873 \eqcommand{    }{newpage}
874 \eqcommand{    }{newread}
875 \eqcommand{    }{newsavebox}
876 \eqcommand{    }{newskip}
877 \eqcommand{    }{newtheorem}
878 \eqcommand{    }{newtoks}
879 \eqcommand{    }{newwrite}
880 \eqcommand{    }{noalign}
881 \eqcommand{    }{nobreak}
882 \eqcommand{    }{nobreakspace}
883 \eqcommand{    }{nocite}
884 \eqcommand{    }{noexpand}
885 \eqcommand{    }{nofiles}
886 \eqcommand{    }{noindent}
887 \eqcommand{    }{nointerlineskip}
888 \eqcommand{    }{nolimits}
889 \eqcommand{    }{nolinebreak}
890 \eqcommand{    }{nonstopmode}
891 \eqcommand{    }{nonfrenchspacing}
892 \eqcommand{    }{nonumber}
893 \eqcommand{    }{nopagebreak}
894 \eqcommand{    }{normalbaselines}
895 \eqcommand{    }{normalbaselineskip}
896 \eqcommand{    }{normalcolor}
897 \eqcommand{    }{normalfont}
898 \eqcommand{    }{normallineskip}
899 \eqcommand{    }{normallineskiplimit}
900 \eqcommand{    }{normalmarginpar}
901 \eqcommand{    }{normalsize}
902 \eqcommand{    }{notag}
903 \eqcommand{    }{null}
904 \eqcommand{    }{nullfont}
905 \eqcommand{    }{number}
906 \eqcommand{    }{numberline}
907 \eqcommand{    }{numberwithin}

```



```

908 \eqcommand{ }{@evenfoot}
909 \eqcommand{ }{@evenhead}
910 \eqcommand{ }{@oddfoot}
911 \eqcommand{ }{@oddhead}
912 \eqcommand{ }{@outeqntrue}
913 \eqcommand{ }{@outeqnfalse}
914 \eqcommand{ }{obeylines}
915 \eqcommand{ }{obeyspaces}
916 \eqcommand{ }{oddsidemargin}
917 \eqcommand{ }{offinterlineskip}
918 \eqcommand{ }{omit}
919 \eqcommand{@ }{@onlypreamble}
920 \eqcommand{ }{onecolumn}
921 \eqcommand{ }{onlynotes}
922 \eqcommand{ }{onlyslides}
923 \eqcommand{ }{openin}
924 \eqcommand{ }{openout}
925 \eqcommand{ }{OptionNotUsed}
926 \eqcommand{ }{or}
927 \eqcommand{ }{outer}
928 \eqcommand{ }{output}
929 \eqcommand{ }{outputpenalty}
930 \eqcommand{ }{overfullrule}
931 \eqcommand{@ }{@preamblecmds}
932 \eqcommand{@ }{p@}
933 \eqcommand{ }{PackageError}
934 \eqcommand{ }{PackageInfo}
935 \eqcommand{ }{PackageWarning}
936 \eqcommand{ }{PackageWarningNoLine}
937 \eqcommand{ }{pagebreak}
938 \eqcommand{ }{pagecolor}
939 \eqcommand{ }{pagedepth}
940 \eqcommand{ }{pagefilllstretch}
941 \eqcommand{ }{pagefillstretch}
942 \eqcommand{ }{pagefilstretch}
943 \eqcommand{ }{pagegoal}
944 \eqcommand{ }{pagename}
945 \eqcommand{ }{pagenumbering}
946 \eqcommand{ }{pageref}
947 \eqcommand{ }{pagerulewidth}
948 \eqcommand{ }{pageshrink}
949 \eqcommand{ }{pagestretch}
950 \eqcommand{ }{pagestyle}
951 \eqcommand{ }{pagetotal}
952 \eqcommand{ }{paperheight}
953 \eqcommand{ }{paperwidth}
954 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
955 \eqcommand{ }{paragraph}
956 \eqcommand{ }{parallel}
957 \eqcommand{ }{parbox}

```



```

958 \eqcommand{      }{parfillskip}
959 \eqcommand{      }{parindent}
960 \eqcommand{      }{parsep}
961 \eqcommand{      }{parshape}
962 \eqcommand{      }{parskip}
963 \eqcommand{ }{part}
964 \eqcommand{      }{partname}
965 \eqcommand{      }{partopsep}
966 \eqcommand{      }{PassOptionToClass}
967 \eqcommand{      }{PassOptionToPackage}
968 \eqcommand{ }{path}
969 \eqcommand{      }{patterns}
970 \eqcommand{ }{pausing}
971 \eqcommand{      }{penalty}
972 \eqcommand{ }{phantom}
973 \eqcommand{      }{poptabs}
974 \eqcommand{      }{postdisplaypenalty}
975 \eqcommand{      }{predisplaydirection}
976 \eqcommand{      }{predisplaypenalty}
977 \eqcommand{      }{predisplaysize}
978 \eqcommand{      }{pretolerance}
979 \eqcommand{      }{prevdepth}
980 \eqcommand{      }{prevgraf}
981 \eqcommand{      }{printindex}
982 \eqcommand{      }{ProcessOptions}
983 \eqcommand{ }{protect}
984 \eqcommand{      }{providecommand}
985 \eqcommand{      }{ProvidesClass}
986 \eqcommand{      }{ProvidesFile}
987 \eqcommand{      }{ProvidesPackage}
988 \eqcommand{      }{pushtabs}
989 \eqcommand{ }{quad}
990 \eqcommand{      }{qqquad}
991 \eqcommand{@      }{@outputpagerestore}
992 \eqcommand{      }{radical}
993 \eqcommand{      }{raggedbottom}
994 \eqcommand{      }{raggedleft}
995 \eqcommand{      }{raggedright}
996 \eqcommand{      }{raise}
997 \eqcommand{      }{raisebox}
998 \eqcommand{      }{raisetag}
999 \eqcommand{      }{rangle}
1000 \eqcommand{ }{rceil}
1001 \eqcommand{      }{read}
1002 \eqcommand{ }{ref}
1003 \eqcommand{      }{reflectbox}
1004 \eqcommand{      }{refname}
1005 \eqcommand{      }{refstepcounter}
1006 \eqcommand{ }{relax}
1007 \eqcommand{      }{removelastskip}

```



```

1008 \eqcommand{      }\{renewcommand\}
1009 \eqcommand{      }\{renewenvironment\}
1010 \eqcommand{      }\{RequirePackage\}
1011 \eqcommand{      }\{RequirePackageWithOptions\}
1012 \eqcommand{      }\{resizebox\}
1013 \eqcommand{      }\{reversemarginpar\}
1014 \eqcommand{ }\{rfloor\}
1015 \eqcommand{ }\{right\}
1016 \eqcommand{ }\{rightmargin\}
1017 \eqcommand{ }\{rightmark\}
1018 \eqcommand{ }\{rightpageskip\}
1019 \eqcommand{ }\{rightskip\}
1020 \eqcommand{ }\{rmdefault\}
1021 \eqcommand{ }\{rmfamily\}
1022 \eqcommand{ }\{Roman\}
1023 \eqcommand{ }\{roman\}
1024 \eqcommand{ }\{romannumeral\}
1025 \eqcommand{ }\{rotatebox\}
1026 \eqcommand{ }\{rowcolor\}
1027 \eqcommand{ }\{rule\}
1028 \eqcommand{@      }\{@secondoftwo\}
1029 \eqcommand{@      }\{@spaces\}
1030 \eqcommand{      }\{samepage\}
1031 \eqcommand{      }\{savebox\}
1032 \eqcommand{ }\{sbox\}
1033 \eqcommand{      }\{scalebox\}
1034 \eqcommand{      }\{scdefault\}
1035 \eqcommand{      }\{scshape\}
1036 \eqcommand{      }\{setkeys\}
1037 \eqcommand{ }\{scriptfont\}
1038 \eqcommand{      }\{scriptscriptfont\}
1039 \eqcommand{      }\{scriptscriptstyle\}
1040 \eqcommand{      }\{scriptsize\}
1041 \eqcommand{      }\{scripstyle\}
1042 \eqcommand{      }\{scrollmode\}
1043 \eqcommand{ }\{section\}
1044 \eqcommand{      }\{secdef\}
1045 \eqcommand{      }\{see\}
1046 \eqcommand{      }\{seealso\}
1047 \eqcommand{      }\{seename\}
1048 \eqcommand{      }\{selectfont\}
1049 \eqcommand{      }\{setboolean\}
1050 \eqcommand{ }\{setbox\}
1051 \eqcommand{      }\{setcounter\}
1052 \eqcommand{      }\{setlength\}
1053 \eqcommand{      }\{setminus\}
1054 \eqcommand{      }\{SetSymbolFont\}
1055 \eqcommand{      }\{settodepth\}
1056 \eqcommand{      }\{settoheight\}
1057 \eqcommand{      }\{settowidth\}

```



```

1058 \eqcommand{      }\{sfcode}
1059 \eqcommand{      }\{sfdefault}
1060 \eqcommand{      }\{sffamily}
1061 \eqcommand{      }\{shadowbox}
1062 \eqcommand{ }\{sharp}
1063 \eqcommand{ }\{shipout}
1064 \eqcommand{ }\{shortstack}
1065 \eqcommand{ }\{show}
1066 \eqcommand{ }\{showbox}
1067 \eqcommand{ }\{showboxbreadth}
1068 \eqcommand{ }\{showboxdepth}
1069 \eqcommand{ }\{showlists}
1070 \eqcommand{ }\{showthe}
1071 \eqcommand{ }\{simplefontmode}
1072 \eqcommand{ @}\{sirt@@n}
1073 \eqcommand{ }\{skewchar}
1074 \eqcommand{ }\{skip}
1075 \eqcommand{ @}\{skip@}
1076 \eqcommand{ }\{skipdef}
1077 \eqcommand{ }\{sl}
1078 \eqcommand{ }\{sldefault}
1079 \eqcommand{ }\{slshape}
1080 \eqcommand{ }\{sloppy}
1081 \eqcommand{ }\{slshape}
1082 \eqcommand{ }\{small}
1083 \eqcommand{ }\{smallskip}
1084 \eqcommand{ }\{smallskipamount}
1085 \eqcommand{ }\{smash}
1086 \eqcommand{ }\{smile}
1087 \eqcommand{ }\{snglftlocatcode}
1088 \eqcommand{ }\{space}
1089 \eqcommand{ }\{spacefactor}
1090 \eqcommand{ }\{spaceskip}
1091 \eqcommand{ }\{spadesuit}
1092 \eqcommand{ }\{span}
1093 \eqcommand{ }\{special}
1094 \eqcommand{ }\{splitmaxdepth}
1095 \eqcommand{ }\{splittopskip}
1096 \eqcommand{ }\{star}
1097 \eqcommand{ }\{stepcounter}
1098 \eqcommand{ }\{stretch}
1099 \eqcommand{ }\{string}
1100 \eqcommand{ }\{strut}
1101 \eqcommand{ }\{strutbox}
1102 \eqcommand{ }\{subitem}
1103 \eqcommand{ }\{subparagraph}
1104 \eqcommand{ }\{subsection}
1105 \eqcommand{ }\{substack}
1106 \eqcommand{ }\{subsubitem}
1107 \eqcommand{ }\{subsubsection}

```



```

1108 \eqcommand{      }\{subset\}
1109 \eqcommand{      }\{subseteq\}
1110 \eqcommand{      }\{supereject\}
1111 \eqcommand{      }\{suppressfloats\}
1112 \eqcommand{@      }\{@tempa\}
1113 \eqcommand{@      }\{@tempb\}
1114 \eqcommand{@      }\{@tempc\}
1115 \eqcommand{@      }\{@tempd\}
1116 \eqcommand{@      }\{@tempe\}
1117 \eqcommand{@      }\{@tempboxa\}
1118 \eqcommand{@      }\{@tempcnta\}
1119 \eqcommand{@      }\{@tempcntb\}
1120 \eqcommand{@      }\{@tempdima\}
1121 \eqcommand{@      }\{@tempdimb\}
1122 \eqcommand{@      }\{@tempdimc\}
1123 \eqcommand{@      }\{@tempskipa\}
1124 \eqcommand{@      }\{@tempskipb\}
1125 \eqcommand{@      }\{@tempwafalse\}
1126 \eqcommand{@      }\{@tempwattrue\}
1127 \eqcommand{@      }\{@temptokena\}
1128 \eqcommand{      }\{@thefnmark\}
1129 \eqcommand{@      }\{@thirdofthree\}
1130 \eqcommand{      }\{tabbingsep\}
1131 \eqcommand{      }\{tabcolsep\}
1132 \eqcommand{      }\{tableofcontents\}
1133 \eqcommand{      }\{tablename\}
1134 \eqcommand{      }\{tabskip\}
1135 \eqcommand{      }\{tabularnewline\}
1136 \eqcommand{      }\{tag\}
1137 \eqcommand{      }\{telephone\}
1138 \eqcommand{      }\{TeX\}
1139 \eqcommand{      }\{text\}
1140 \eqcommand{      }\{textbullet\}
1141 \eqcommand{      }\{textfont\}
1142 \eqcommand{      }\{textemdash\}
1143 \eqcommand{      }\{textendash\}
1144 \eqcommand{      }\{textexclamdown\}
1145 \eqcommand{      }\{textperiodcentered\}
1146 \eqcommand{      }\{textquestiondown\}
1147 \eqcommand{      }\{textquotedblleft\}
1148 \eqcommand{      }\{textquotedblright\}
1149 \eqcommand{      }\{textquoteleft\}
1150 \eqcommand{      }\{textquoteright\}
1151 \eqcommand{      }\{textvisiblespace\}
1152 \eqcommand{      }\{textbackslash\}
1153 \eqcommand{      }\{textbar\}
1154 \eqcommand{      }\{textgreater\}
1155 \eqcommand{      }\{textless\}
1156 \eqcommand{      }\{textbf\}
1157 \eqcommand{      }\{textcircled\}

```



```

1158 \eqcommand{ }{textcolor}
1159 \eqcommand{ }{textcompwordmark}
1160 \eqcommand{ }{textfloatsep}
1161 \eqcommand{ }{textfraction}
1162 \eqcommand{ }{textheight}
1163 \eqcommand{ }{textindent}
1164 \eqcommand{ }{textit}
1165 \eqcommand{ }{textmd}
1166 \eqcommand{ }{textnormal}
1167 \eqcommand{ }{textregistered}
1168 \eqcommand{ }{textrm}
1169 \eqcommand{ }{textsc}
1170 \eqcommand{ }{textsf}
1171 \eqcommand{ }{textsl}
1172 \eqcommand{ }{textstyle}
1173 \eqcommand{ }{textsuperscript}
1174 \eqcommand{ }{texttrademark}
1175 \eqcommand{ }{texttt}
1176 \eqcommand{ }{textup}
1177 \eqcommand{ }{textwidth}
1178 \eqcommand{ }{thanks}
1179 \eqcommand{ }{the}
1180 \eqcommand{ }{thempfn}
1181 \eqcommand{ }{thicklines}
1182 \eqcommand{ }{thickmuskip}
1183 \eqcommand{ }{thinmuskip}
1184 \eqcommand{ }{thickspace}
1185 \eqcommand{ }{thinline}
1186 \eqcommand{ }{thinspace}
1187 \eqcommand{ }{thisfancy}
1188 \eqcommand{ }{thispagestyle}
1189 \eqcommand{ @}{thr@@}
1190 \eqcommand{ }{tilde}
1191 \eqcommand{ }{tiny}
1192 \eqcommand{ }{time}
1193 \eqcommand{ }{times}
1194 \eqcommand{ }{title}
1195 \eqcommand{ }{to}
1196 \eqcommand{ }{today}
1197 \eqcommand{ }{toks}
1198 \eqcommand{ }{toksdef}
1199 \eqcommand{ }{tolerance}
1200 \eqcommand{ }{top}
1201 \eqcommand{ }{topfigrule}
1202 \eqcommand{ }{topfraction}
1203 \eqcommand{ }{topmargin}
1204 \eqcommand{ }{topmark}
1205 \eqcommand{ }{toppageskip}
1206 \eqcommand{ }{topsep}
1207 \eqcommand{ }{topskip}

```



```

1208 \eqcommand{      }{totalheight}
1209 \eqcommand{      }{tracingall}
1210 \eqcommand{      }{tracingcommands}
1211 \eqcommand{      }{tracinglostchars}
1212 \eqcommand{      }{tracingmacros}
1213 \eqcommand{      }{tracingonline}
1214 \eqcommand{      }{tracingoutput}
1215 \eqcommand{      }{tracingpages}
1216 \eqcommand{      }{tracingparagraphs}
1217 \eqcommand{      }{tracingrestores}
1218 \eqcommand{      }{tracingstats}
1219 \eqcommand{ }{triangle}
1220 \eqcommand{ }{ttdefault}
1221 \eqcommand{ }{ttfamily}
1222 \eqcommand{ @}{tw@}
1223 \eqcommand{ }{twocolumn}
1224 \eqcommand{ }{typein}
1225 \eqcommand{ }{typeout}
1226 \eqcommand{ }{uccode}
1227 \eqcommand{ }{uchyph}
1228 \eqcommand{ }{underline}
1229 \eqcommand{ }{unhbox}
1230 \eqcommand{ }{unhcopy}
1231 \eqcommand{ }{unitlength}
1232 \eqcommand{ }{unkern}
1233 \eqcommand{ }{unpenalty}
1234 \eqcommand{ }{unskip}
1235 \eqcommand{ }{unvbox}
1236 \eqcommand{ }{unvcopy}
1237 \eqcommand{ }{updefault}
1238 \eqcommand{ }{upshape}
1239 \eqcommand{ }{usebox}
1240 \eqcommand{ }{usecounter}
1241 \eqcommand{ }{usefont}
1242 \eqcommand{ }{usepackage}
1243 \eqcommand{ @}{@vobeyspaces}
1244 \eqcommand{ @}{@void}
1245 \eqcommand{ }{vadjust}
1246 \eqcommand{ }{valign}
1247 \eqcommand{ }{value}
1248 \eqcommand{ }{vbadness}
1249 \eqcommand{ }{vbox}
1250 \eqcommand{ }{vcenter}
1251 \eqcommand{ }{verb}
1252 \eqcommand{ }{vfil}
1253 \eqcommand{ }{vfill}
1254 \eqcommand{ }{vfilneg}
1255 \eqcommand{ }{vfuzz}
1256 \eqcommand{ }{visible}
1257 \eqcommand{ }{vline}

```



```

1258 \eqcommand{    }{voffset}
1259 \eqcommand{ @ }{voidb@x}
1260 \eqcommand{    }{vpageref}
1261 \eqcommand{    }{vrboxsep}
1262 \eqcommand{    }{vref}
1263 \eqcommand{ }{vrule}
1264 \eqcommand{    }{vsize}
1265 \eqcommand{    }{vskip}
1266 \eqcommand{    }{vspace}
1267 \eqcommand{    }{vsplit}
1268 \eqcommand{    }{vss}
1269 \eqcommand{    }{vtop}
1270 \eqcommand{ }{wd}
1271 \eqcommand{    }{whiledo}
1272 \eqcommand{    }{widehat}
1273 \eqcommand{    }{widetilde}
1274 \eqcommand{    }{widowpenalty}
1275 \eqcommand{ }{width}
1276 \eqcommand{    }{wlog}
1277 \eqcommand{    }{write}
1278 \eqcommand{@    }{@xobeysp}
1279 \eqcommand{ @ }{@xxxii}
1280 \eqcommand{    }{xdef}
1281 \eqcommand{    }{xleaders}
1282 \eqcommand{    }{xspaceskip}
1283 \eqcommand{ }{year}
1284 \eqcommand{@    }{@z@}
1285 \eqcommand{@    }{@z@skip}

```

## 7.19 color-localise-xepersian.def

```

1286 color}          \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1287 0}{rgb}{    }    \0,,0}
1288 1}{rgb}{    }    \1,,1}
1289 1}{rgb}{    }    \0,,0}
1290 0}{rgb}{    }    \1,,0}
1291 0}{rgb}{    }    \0,,1}
1292 1}{cmyk}{    }    \0,,0,0}
1293 0}{cmyk}{    }    \1,,0,0}
1294 0}{cmyk}{    }    \0,,1,0}

```

## 7.20 xepersian-localise-commands-xepersian.def

```

1295 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation o
1296 \eqcommand{    }{autofooterule}
1297 \eqcommand{    }{AutoMathsDigits}
1298 \eqcommand{    }{DefaultMathsDigits}
1299 \eqcommand{ @ }{keyval@eq@alias@key}
1300 \eqcommand{    }{deflatinfont}
1301 \eqcommand{    }{defpersianfont}
1302 \eqcommand{    }{hboxL}

```



```

1303 \eqcommand{ }{hboxR}
1304 \eqcommand{ }{Latincite}
1305 \eqcommand{ }{latinfont}
1306 \eqcommand{ }{latintoday}
1307 \eqcommand{ }{leftfootnoterule}
1308 \eqcommand{ }{lr}
1309 \eqcommand{ }{LRE}
1310 \eqcommand{ }{LTRdblcol}
1311 \eqcommand{ }{LTRfootnote}
1312 \eqcommand{ }{LTRfootnotetext}
1313 \eqcommand{ }{LTRthanks}
1314 \eqcommand{ }{persianday}
1315 \eqcommand{ }{persianfont}
1316 \eqcommand{ }{PersianMathsDigits}
1317 \eqcommand{ }{persianmonth}
1318 \eqcommand{ }{persianyear}
1319 \eqcommand{ }{plq}
1320 \eqcommand{ }{prq}
1321 \eqcommand{ }{rightfootnoterule}
1322 \eqcommand{ }{rl}
1323 \eqcommand{ }{RLE}
1324 \eqcommand{ }{RTLdblcol}
1325 \eqcommand{ }{RTLfootnote}
1326 \eqcommand{ }{RTLfootnotetext}
1327 \eqcommand{ }{RTLthanks}
1328 \eqcommand{@ }{@SepMark}
1329 \eqcommand{ }{SepMark}
1330 \eqcommand{ }{setdefaultbibitems}
1331 \eqcommand{ }{setdefaultmarginpar}
1332 \eqcommand{ }{setdigitfont}
1333 \eqcommand{ }{setfootnoteLR}
1334 \eqcommand{ }{setfootnoteRL}
1335 \eqcommand{ }{setlatintextfont}
1336 \eqcommand{ }{setLTR}
1337 \eqcommand{ }{setLTRbibitems}
1338 \eqcommand{ }{setLTRmarginpar}
1339 \eqcommand{ }{setRTL}
1340 \eqcommand{ }{setRTLbibitems}
1341 \eqcommand{ }{setRTLmarginpar}
1342 \eqcommand{ }{settextfont}
1343 \eqcommand{ }{textwidthfootnoterule}
1344 \eqcommand{ }{twocolumnstableofcontents}
1345 \eqcommand{ }{unsetfootnoteRL}
1346 \eqcommand{ }{unsetLTR}
1347 \eqcommand{ }{unsetRTL}
1348 \eqcommand{ }{vboxL}
1349 \eqcommand{ }{vboxR}
1350 \eqcommand{ }{XeLaTeX}
1351 \eqcommand{ }{XePersian}
1352 \eqcommand{ }{xepersianversion}

```



## 7.21 enumerate-xepersian.def

## 7.22 fontspec-xetex-xepersian.def

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```

1398         #2 .code:n =
1399         { \keys_set:nn {fontspec-preparse-external} { #1 = {##1} } }
1400     }
1401 }
1402 {
1403     \__fontspec_warning:nx {rename-feature-not-exist} {#1}
1404 }
1405 }
1406 }
1407 }
1408 }
1409 \ExplSyntaxOff

```

## 7.23 latex-localise-environments-xepersian.def

```

1410 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation o
1411 \eqenvironment{ }{abstract}
1412 \eqenvironment{ }{appendix}
1413 \eqenvironment{ }{array}
1414 \eqenvironment{ }{center}
1415 \eqenvironment{ }{description}
1416 \eqenvironment{ }{displaymath}
1417 \eqenvironment{ }{document}
1418 \eqenvironment{ }{enumerate}
1419 \eqenvironment{ }{figure}
1420 \eqenvironment{ *}{figure*}
1421 \eqenvironment{ }{filecontents}
1422 \eqenvironment{ *}{filecontents*}
1423 \eqenvironment{ }{flushleft}
1424 \eqenvironment{ }{flushright}
1425 \eqenvironment{ }{itemize}
1426 \eqenvironment{ }{letter}
1427 \eqenvironment{ }{list}
1428 \eqenvironment{ }{longtable}
1429 \eqenvironment{ }{lrbox}
1430 \eqenvironment{ }{math}
1431 \eqenvironment{ }{matrix}
1432 \eqenvironment{ }{minipage}
1433 \eqenvironment{ }{multline}
1434 \eqenvironment{ }{note}
1435 \eqenvironment{ }{overlay}
1436 \eqenvironment{ }{picture}
1437 \eqenvironment{ }{quotation}
1438 \eqenvironment{ }{quote}
1439 \eqenvironment{ }{slide}
1440 \eqenvironment{ }{sloppypar}
1441 \eqenvironment{ }{split}
1442 \eqenvironment{ }{subarray}
1443 \eqenvironment{ }{tabbing}
1444 \eqenvironment{ }{table}

```



```

1445 \eqenvironment{ *}{table*}
1446 \eqenvironment{ }{tabular}
1447 \eqenvironment{ *}{tabular*}
1448 \eqenvironment{ }{thebibliography}
1449 \eqenvironment{ }{theindex}
1450 \eqenvironment{ }{titlepage}
1451 \eqenvironment{ }{trivlist}
1452 \eqenvironment{ }{verse}

```

## 7.24 xepersian-localise-environments-xepersian.def

```

1453 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisation]
1454 \eqenvironment{ }{latin}
1455 \eqenvironment{ }{LTR}
1456 \eqenvironment{ }{LTRitems}
1457 \eqenvironment{ }{modernpoem}
1458 \eqenvironment{ *}{modernpoem*}
1459 \eqenvironment{ }{persian}
1460 \eqenvironment{ }{RTL}
1461 \eqenvironment{ }{RTLitems}
1462 \eqenvironment{ }{traditionalpoem}
1463 \eqenvironment{ *}{traditionalpoem*}

```

## 7.25 extarticle-xepersian.def

```

1464 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1465 \renewcommand\thepart {\@tartibi\c@part}
1466 \renewcommand\appendix{\par
1467 \setcounter{section}{0}%
1468 \setcounter{subsection}{0}%
1469 \gdef\thesection{\@harfi\c@section}}

```

## 7.26 extbook-xepersian.def

```

1470 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1471 \renewcommand\frontmatter{%
1472 \cleardoublepage
1473 \@mainmatterfalse
1474 \pagenumbering{harfi}}
1475 \renewcommand \thepart {\@tartibi\c@part}
1476 \renewcommand\appendix{\par
1477 \setcounter{chapter}{0}%
1478 \setcounter{section}{0}%
1479 \gdef\@chapapp{\appendixname}%
1480 \gdef\thechapter{\@harfi\c@chapter}
1481 }%end appendix

```

## 7.27 extrafootnotefeatures-xepersian.def

```

1482 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafootnote]
1483 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\latinfont\fi}
1484 \renewcommand{\LTRfoottextfont}{\footnotesize\latinfont}
1485 \renewcommand{\RTLfoottextfont}{\footnotesize\persianfont}

```



## 7.28 extreport-xepersian.def

```
1486 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1487 \renewcommand\thepart      {\@tartibi\c@part}
1488 \renewcommand\appendix{\par
1489   \setcounter{chapter}{0}%
1490   \setcounter{section}{0}%
1491   \gdef\@chapapp{\appendixname}%
1492   \gdef\thechapter{\@harfi\c@chapter}}
```

## 7.29 flowfram-xepersian.def

```
1493 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1494 \def\@outputpage{%
1495 \begingroup
1496   \let\protect\noexpand
1497   \@resetactivechars
1498   \global\let\@ifnewlist\ifnewlist
1499   \global\@newlistfalse\@parboxrestore
1500   \shipout\vbox{\set@typeset@protect
1501     \aftergroup
1502     \endgroup
1503     \aftergroup
1504     \set@typeset@protect
1505     \reset@font\normalsize\normalsfcodes
1506     \let\label\@gobble
1507     \let\index\@gobble
1508     \let\glossary\@gobble
1509     \baselineskip\z@skip
1510     \lineskip\z@skip
1511     \lineskiplimit\z@
1512     \vskip\topmargin\moveright\@themargin
1513     \vbox{%
1514       \vskip\headheight
1515       \vskip\headsep
1516       \box\@outputbox
1517     }}%
1518 \global\let\ifnewlist\@ifnewlist
1519 \stepcounter{page}%
1520 \setcounter{displayedframe}{0}%
1521 \let\firstmark\botmark}
```

## 7.30 footnote-xepersian.def

```
1522 \ProvidesFile{footnote-xepersian.def}[2013/04/26 v0.4 footnote macros for xepersian package]
1523
1524
1525
1526 \long\def\@footnotetext#1{\insert\footins{%
1527   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1528   \reset@font\footnotesize
1529   \interlinepenalty\interfootnotelinepenalty
```



```

1530 \splittopskip\footnotesep
1531 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
1532 \hsize\columnwidth \@parboxrestore
1533 \protected@edef\@currentlabel{%
1534     \csname p@footnote\endcsname\@thefnmark
1535 }%
1536 \color@begingroup
1537     \@makefnmark{%
1538         \rule{z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutbox}%
1539     \color@endgroup}}%
1540
1541
1542
1543
1544
1545 \long\def\@RTLfootnotetext#1{\insert\footins{%
1546     \@RTLtrue%
1547     \reset@font\footnotesize
1548     \interlinepenalty\interfootnotelinepenalty
1549     \splittopskip\footnotesep
1550     \splitmaxdepth \dp\strutbox \floatingpenalty \MM
1551     \hsize\columnwidth \@parboxrestore
1552     \protected@edef\@currentlabel{%
1553         \csname p@footnote\endcsname\@thefnmark
1554     }%
1555     \color@begingroup
1556         \@makefnmark{%
1557             \rule{z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1558         \color@endgroup}}%
1559
1560
1561
1562
1563
1564 \long\def\@LTRfootnotetext#1{\insert\footins{%
1565     \@RTLfalse%
1566     \reset@font\footnotesize
1567     \interlinepenalty\interfootnotelinepenalty
1568     \splittopskip\footnotesep
1569     \splitmaxdepth \dp\strutbox \floatingpenalty \MM
1570     \hsize\columnwidth \@parboxrestore
1571     \protected@edef\@currentlabel{%
1572         \csname p@footnote\endcsname\@thefnmark
1573     }%
1574     \color@begingroup
1575         \@makefnmark{%
1576             \rule{z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1577         \color@endgroup}}%
1578
1579 \footdir@temp\footdir@ORG@xepersian@footnotetext\@footnotetext{\@bidi@footdir@footnote}%

```



```

1580 \footdir@temp\footdir@ORG@xepersian@RTLfootnotetext\@RTLfootnotetext{R}%
1581 \footdir@temp\footdir@ORG@xepersian@LTRfootnotetext\@LTRfootnotetext{L}%
1582
1583
1584
1585 \long\def\@mpfootnotetext#1{%
1586 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\@bidi@mpfootnoterule
1587 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1588 \unvbox\@mpfootins
1589 \reset@font\footnotesize
1590 \hsize\columnwidth
1591 \@parboxrestore
1592 \protected@edef\@currentlabel
1593 {\csname p@mpfootnote\endcsname\@thefnmark}%
1594 \color@begingroup
1595 \makefntext{%
1596 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strut
1597 \color@endgroup}}
1598
1599
1600
1601
1602
1603 \long\def\@mpRTLfootnotetext#1{%
1604 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\@bidi@mpfootnoterule\right@footnote
1605 \global\setbox\@mpfootins\vbox{\@RTLtrue%
1606 \unvbox\@mpfootins
1607 \reset@font\footnotesize
1608 \hsize\columnwidth
1609 \@parboxrestore
1610 \protected@edef\@currentlabel
1611 {\csname p@mpfootnote\endcsname\@thefnmark}%
1612 \color@begingroup
1613 \makefntext{%
1614 \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1615 \color@endgroup}}
1616
1617
1618 \long\def\@mpLTRfootnotetext#1{%
1619 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\@bidi@mpfootnoterule\left@footnote
1620 \global\setbox\@mpfootins\vbox{\@RTLfalse%
1621 \unvbox\@mpfootins
1622 \reset@font\footnotesize
1623 \hsize\columnwidth
1624 \@parboxrestore
1625 \protected@edef\@currentlabel
1626 {\csname p@mpfootnote\endcsname\@thefnmark}%
1627 \color@begingroup
1628 \makefntext{%
1629 \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%

```



```

1630 \color@endgroup}}

```

### 7.31 framed-xepersian.def

```

1631 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package for
1632 \renewenvironment{titled-frame}[1]{%
1633 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1634 \TitleBarFrame{\textbf{#1}}}%
1635 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1636 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1637 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1638 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (\if@RTL
1639 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1640 \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi))}}}%
1641 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1642 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1643 % could interfere with the width measurement.
1644 {\endMakeFramed}

```

### 7.32 glossaries-xepersian.def

```

1645 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries pac
1646 \glsaddprotectedpagefmt{@harfi}
1647 \glsaddprotectedpagefmt{@tartibi}
1648 \glsaddprotectedpagefmt{@adadi}

```

### 7.33 hyperref-xepersian.def

```

1649 \ProvidesFile{hyperref-xepersian.def}[2013/04/09 v0.5 bilingual captions for hyperref package]
1650 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1651 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1652 \def\itemautorefname{\if@RTL else\ item\fi}%
1653 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1654 \def\tableautorefname{\if@RTL else\ Table\fi}%
1655 \def\partautorefname{\if@RTL else\ Part\fi}%
1656 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1657 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1658 \def\sectionautorefname{\if@RTL else\ section\fi}%
1659 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1660 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1661 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1662 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1663 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1664 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1665 \def\pageautorefname{\if@RTL else\ page\fi}%
1666 \AtBeginDocument{%
1667 \let\HyOrg@appendix\appendix
1668 \def\appendix{%
1669 \ltx@ifundefined{chapter}%
1670 {\gdef\theHsection{\Alph{section}}}%
1671 {\gdef\theHchapter{\Alph{chapter}}}%
1672 \xdef\Hy@chapapp{\Hy@appendixstring}%

```



```

1673 \HyOrg@appendix
1674 }
1675 }
1676 \pdfstringdefDisableCommands{%
1677 \let\lr\@firstofone
1678 \let\rl\@firstofone
1679 \def\XePersian{XePersian}
1680 }

```

### 7.34 imspc-xepersian.def

```

1681 \ProvidesFile{imspc-xepersian.def}[2013/04/26 v0.3 implementation of imspc class for xepersi
1682 \newenvironment{thebibliography}[1]{%
1683 \@bibtitlestyle
1684 \normalfont\bibliofont\labelsep .5em\relax
1685 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
1686 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1687 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}}%
1688 \leftmargin\labelwidth \advance\leftmargin\labelsep
1689 \usecounter{enumiv}}%
1690 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1691 \sfcode`\.=\@m
1692 }{%
1693 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
1694 \endlist
1695 }
1696 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
1697 \columnseprule\z@ \columnsep 35\p@
1698 \@indextitlestyle
1699 \thispagestyle{plain}%
1700 \let\item\@idxitem
1701 \parindent\z@ \parskip\z@\@plus.3\p@\relax
1702 \ifRTL\raggedleft\else\raggedright\fi
1703 \hyphenpenalty\@M
1704 \footnotesize}
1705 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
1706 \def\subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
1707 \def\subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
1708 \renewcommand \thepart {\@tartibi\c@part}
1709 \def\appendix{\par\c@section\z@ \c@subsection\z@
1710 \let\sectionname\appendixname
1711 \def\thesection{\@harfi\c@section}}
1712 \def\right@footnoterule{%
1713 \hbox to \columnwidth
1714 {\beginR \vbox{\kern-.4\p@
1715 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
1716 \def\left@footnoterule{\kern-.4\p@
1717 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1718 \def\@makefnmark{%
1719 \leavevmode

```



```

1720 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
1721 }
1722
1723
1724
1725 \long\def\@footnotetext#1{%
1726 \insert\footins{%
1727 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1728 \normalfont\footnotesize
1729 \interlinepenalty\interfootnotelinepenalty
1730 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1731 \floatingpenalty\@MM \hsize\columnwidth
1732 \@parboxrestore \parindent\normalparindent \sloppy
1733 \protected@edef\@currentlabel{%
1734 \csname p@footnote\endcsname\@thefnmark}%
1735 \@makefnhtxt{%
1736 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
1737
1738
1739
1740
1741
1742 \long\def\@RTLfootnotetext#1{%
1743 \insert\footins{%
1744 \@RTLtrue%
1745 \normalfont\footnotesize
1746 \interlinepenalty\interfootnotelinepenalty
1747 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1748 \floatingpenalty\@MM \hsize\columnwidth
1749 \@parboxrestore \parindent\normalparindent \sloppy
1750 \protected@edef\@currentlabel{%
1751 \csname p@footnote\endcsname\@thefnmark}%
1752 \@makefnhtxt{%
1753 \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}}
1754
1755
1756
1757
1758
1759
1760
1761 \long\def\@LTRfootnotetext#1{%
1762 \insert\footins{%
1763 \@RTLfalse%
1764 \normalfont\footnotesize
1765 \interlinepenalty\interfootnotelinepenalty
1766 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1767 \floatingpenalty\@MM \hsize\columnwidth
1768 \@parboxrestore \parindent\normalparindent \sloppy
1769 \protected@edef\@currentlabel{%

```



```

1770 \csname p@footnote\endcsname\@thefnmark}%
1771 \@makefnintext{%
1772 \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
1773
1774 \footdir@temp\footdir@ORG@xepersian@imsproc@footnotetext\@footnotetext{\bidi@footdir@footnote}
1775 \footdir@temp\footdir@ORG@xepersian@imsproc@RTLfootnotetext\@RTLfootnotetext{R}%
1776 \footdir@temp\footdir@ORG@xepersian@imsproc@LTRfootnotetext\@LTRfootnotetext{L}%
1777
1778 \def\part{\@startsection{part}{0}%
1779 \z@\{\linespacing\@plus\linespacing}{.5\linespacing}%
1780 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1781 \def\@tocline#1#2#3#4#5#6#7{\relax
1782 \ifnum #1>\c@tocdepth % then omit
1783 \else
1784 \par \addpenalty\@secpenalty\addvspace{#2}%
1785 \begingroup \hyphenpenalty\@M
1786 \@ifempty{#4}{%
1787 \@tempdima\csname r@tocindent\number#1\endcsname\relax
1788 }{%
1789 \@tempdima#4\relax
1790 }%
1791 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
1792 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1793 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1794 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1795 \nobreak
1796 \endgroup
1797 \fi}
1798 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1799 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1800 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1801 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1802 \def\maketitle{\par
1803 \@topnum\z@ % this prevents figures from falling at the top of page 1
1804 \@setcopyright
1805 \thispagestyle{firstpage}% this sets first page specifications
1806 \uppercase\nonmath\shorttitle
1807 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1808 \else \andify\shortauthors
1809 \fi
1810 \@maketitle@hook
1811 \begingroup
1812 \@maketitle
1813 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
1814 \toks4{\def\\{\ignorespaces}}% defend against questionable usage
1815 \edef\@tempa{%
1816 \nx\markboth{\the\toks4
1817 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
1818 \@tempa
1819 \endgroup

```



```

1820 \c@footnote\z@
1821 \clearatopmattertags
1822 }

```

### 7.35 kashida-xepersian.def

```

1823 \ProvidesFile{kashida-xepersian.def}[2013/11/15 v0.3 implementation of Kashida for xepersian pac
1824 \chardef\xepersian@zwj="200D % zero-width joiner
1825
1826 \chardef\xepersian@D=10 % dual-joiner class
1827 \chardef\xepersian@L=11 % lam
1828 \chardef\xepersian@R=12 % right-joiner
1829 \chardef\xepersian@A=13 % alef
1830 \chardef\xepersian@V=256 % vowel or other combining mark (to be ignored)
1831 \def\xepersian@kashida{\xepersian@zwj\nobreak%
1832 \leaders\hrule height \XeTeXglyphbounds2 \the\xeTeXcharglyph"0640 depth \XeTeXglyphbounds4 \
1833
1834 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1835 \expandafter\dosetclass\charlist,\end}
1836 \def\dosetclass#1,#2\end{%
1837 \def\test{#1}\def\charlist{#2}%
1838 \ifx\test\empty\let\next\finishsetclass
1839 \else \XeTeXcharclass "\test = \theclass
1840 \let\next\dosetclass \fi
1841 \expandafter\next\charlist,,\end}
1842 \def\finishsetclass#1,,\end{}
1843
1844 \setclass \xepersian@A {0622,0623,0625,0627}
1845 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1846 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1847 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1848 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1849 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1850 \setclass \xepersian@L {0644}
1851 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1852
1853 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1854 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1855 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1856 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1857 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1858 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1859 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1860 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1861
1862 \newcommand{\KashidaOn}{\XeTeXinterchartokenstate=1}
1863 \newcommand{\KashidaOff}{\XeTeXinterchartokenstate=0}
1864 \KashidaOn

```

### 7.36 listings-xepersian.def



```

1865 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1866 \def\lstlistingname{\if@RTL else\    Listing\fi}
1867 \def\lstlistlistingname{\if@RTL    else\    Listings\fi}

```

### 7.37 loadingorder-xepersian.def

```

1868 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the last]
1869 \bidi@isloaded{algorithmic}
1870 \bidi@isloaded{algorithm}
1871 \bidi@isloaded{backref}
1872 \bidi@isloaded{enumerate}
1873 \bidi@isloaded{tocloft}
1874 \bidi@isloaded{url}
1875 \AtBeginDocument{
1876   \if@bidi@algorithmicloaded@ \else
1877     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1878   \fi%
1879   \if@bidi@algorithmloaded@ \else
1880     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1881   \fi%
1882   \if@bidi@backrefloaded@ \else
1883     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1884   \fi%
1885   \if@bidi@enumerateloaded@ \else
1886     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1887   \fi%
1888   \if@bidi@tocloftloaded@ \else
1889     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1890   \fi%
1891   \if@bidi@urlloaded@ \else
1892     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1893   \fi%
1894 }

```

### 7.38 localise-xepersian.def

```

1895 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1896 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1897 \makezwnjletter
1898 \newcommand*\eqcommand[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1899 \newcommand*\eqenvironment[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}}
1900 \@ifpackageloaded{keyval}{%
1901 \newcommand*\keyval@eq@alias@key[4][KV]{%
1902   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1903   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1904 }{\@ifpackageloaded{xkeyval}{%
1905 \newcommand*\keyval@eq@alias@key[4][KV]{%
1906   \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1907   \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1908 }{}}
1909 \input{latex-localise-commands-xepersian.def}

```



```

1910 \input{xepersian-localise-commands-xepersian.def}
1911 \input{latex-localise-environments-xepersian.def}
1912 \input{xepersian-localise-environments-xepersian.def}
1913 \input{latex-localise-messages-xepersian.def}
1914 \input{latex-localise-misc-xepersian.def}
1915 \input{packages-localise-xepersian.def}
1916 \aliasfontfeature{ExternalLocation}{ }
1917 \aliasfontfeature{ExternalLocation}{ }
1918 \aliasfontfeature{Renderer}{ }
1919 \aliasfontfeature{BoldFont}{ }
1920 \aliasfontfeature{Language}{ }
1921 \aliasfontfeature{Script}{ }
1922 \aliasfontfeature{UprightFont}{ }
1923 \aliasfontfeature{ItalicFont}{ }
1924 \aliasfontfeature{BoldItalicFont}{ }
1925 \aliasfontfeature{SlantedFont}{ }
1926 \aliasfontfeature{BoldSlantedFont}{ }
1927 \aliasfontfeature{SmallCapsFont}{ }
1928 \aliasfontfeature{UprightFeatures}{ }
1929 \aliasfontfeature{BoldFeatures}{ }
1930 \aliasfontfeature{ItalicFeatures}{ }
1931 \aliasfontfeature{BoldItalicFeatures}{ }
1932 \aliasfontfeature{SlantedFeatures}{ }
1933 \aliasfontfeature{BoldSlantedFeatures}{ }
1934 \aliasfontfeature{SmallCapsFeatures}{ }
1935 \aliasfontfeature{SizeFeatures}{ }
1936 \aliasfontfeature{Scale}{ }
1937 \aliasfontfeature{WordSpace}{ }
1938 \aliasfontfeature{PunctuationSpace}{ }
1939 \aliasfontfeature{FontAdjustment}{ }
1940 \aliasfontfeature{LetterSpace}{ }
1941 \aliasfontfeature{HyphenChar}{ }
1942 \aliasfontfeature{Color}{ }
1943 \aliasfontfeature{Opacity}{ }
1944 \aliasfontfeature{Mapping}{ }
1945 \aliasfontfeature{Weight}{ }
1946 \aliasfontfeature{Width}{ }
1947 \aliasfontfeature{OpticalSize}{ }
1948 \aliasfontfeature{FakeSlant}{ }
1949 \aliasfontfeature{FakeStretch}{ }
1950 \aliasfontfeature{FakeBold}{ }
1951 \aliasfontfeature{AutoFakeSlant}{ }
1952 \aliasfontfeature{AutoFakeBold}{ }
1953 \aliasfontfeature{Ligatures}{ }
1954 \aliasfontfeature{Alternate}{ }
1955 \aliasfontfeature{Variant}{ }
1956 \aliasfontfeature{Variant}{ }
1957 \aliasfontfeature{CharacterVariant}{ }
1958 \aliasfontfeature{Style}{ }
1959 \aliasfontfeature{Annotation}{ }

```



```

1960 \aliasfontfeature{RawFeature}{      }
1961 \aliasfontfeature{CharacterWidth}{    }
1962 \aliasfontfeature{Numbers}{          }
1963 \aliasfontfeature{Contextuals}{       }
1964 \aliasfontfeature{Diacritics}{        }
1965 \aliasfontfeature{Letters}{           }
1966 \aliasfontfeature{Kerning}{           }
1967 \aliasfontfeature{VerticalPosition}{  }
1968 \aliasfontfeature{Fractions}{         }
1969 \aliasfontfeatureoption{Language}{Default}{  }
1970 \aliasfontfeatureoption{Language}{Parsi}{    }
1971 \aliasfontfeatureoption{Script}{Parsi}{      }
1972 \aliasfontfeatureoption{Script}{Latin}{      }
1973 \aliasfontfeatureoption{Style}{MathScript}{  }
1974 \aliasfontfeatureoption{Style}{MathScriptScript}{      }

```

### 7.39 memoir-xepersian.def

```

1975 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1976 \renewcommand{\@memfront}{%
1977   \@smemfront\pagenumbering{harfi}}
1978 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1979 \renewcommand*{\thebook}{\@tartibi\c@book}
1980 \renewcommand*{\thepart}{\@tartibi\c@part}
1981 \renewcommand{\appendix}{\par
1982   \setcounter{chapter}{0}%
1983   \setcounter{section}{0}%
1984   \gdef\@chapapp{\appendixname}%
1985   \gdef\thechapter{\@harfi\c@chapter}%
1986   \anappendixtrue}

```

### 7.40 latex-localise-messages-xepersian.def

```

1987 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

### 7.41 minitoc-xepersian.def

```

1988 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1989 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1990 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1991 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1992 \def\mtctitle{\if@RTL else\ Contents\fi}%
1993 \def\mlftitle{\if@RTL else\ Figures\fi}%
1994 \def\mltttitle{\if@RTL else\ Tables\fi}%
1995 \def\stctitle{\if@RTL else\ Contents\fi}%
1996 \def\slftitle{\if@RTL else\ Figures\fi}%
1997 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

### 7.42 latex-localise-misc-xepersian.def

```

1998 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisa
1999 %}1# \ \
2000 \@ \ @ \ \

```



```

2001      \1# \
2002      \1# @\
2003      \1# @\
2004      { @ \ \
2005      %}2#1# @\ \
2006      %1# \ @\ \ \ \
2007      \2# \ @\ \
2008      {{2#1# \}}
2009      undefined\ \ \
2010
2011      %{\ \ \ \ \1#} \ \} \1# \ \
2012      \ { \ \ \
2013      \ \ \
2014
2015
2016      \ \ \ \%} \#1
2017      \1#} \ \ % \
2018      \ \ \
2019      }%
2020      \
2021      \ \ \
2022      }
2023      \= \ \
2024
2025
2026      \@ifdefinitionfileloaded{latex-xetex-bidi}{%
2027      \def\@xfloat #1[#2]{%
2028      \@nodocument
2029      \def \@capytype {#1}%
2030      \def \@fps {#2}%
2031      \@onelevel@sanitize \@fps
2032      \def \reserved@b {!}%
2033      \ifx \reserved@b \@fps
2034      \@fpsadddefault
2035      \else
2036      \ifx \@fps \@empty
2037      \@fpsadddefault
2038      \fi
2039      \fi
2040      \ifhmode
2041      \@bsphack
2042      \@floatpenalty -\@Mii
2043      \else
2044      \@floatpenalty-\@Miii
2045      \fi
2046      \ifinner
2047      \@parmoderr\@floatpenalty\z@
2048      \else
2049      \@next\@currbox\@freelist
2050      {%

```



```

2051 \@tempcnta \sixt@@n
2052 \expandafter \@tfor \expandafter \reserved@a
2053 \expandafter :\expandafter =\@fps
2054 \do
2055 {%
2056 \if \reserved@a h%
2057 \ifodd \@tempcnta
2058 \else
2059 \advance \@tempcnta \@ne
2060 \fi
2061 \fi
2062 \if \reserved@a %
2063 \ifodd \@tempcnta
2064 \else
2065 \advance \@tempcnta \@ne
2066 \fi
2067 \fi
2068 \if \reserved@a t%
2069 \@setfpsbit \tw@
2070 \fi
2071 \if \reserved@a %
2072 \@setfpsbit \tw@
2073 \fi
2074 \if \reserved@a b%
2075 \@setfpsbit 4%
2076 \fi
2077 \if \reserved@a %
2078 \@setfpsbit 4%
2079 \fi
2080 \if \reserved@a p%
2081 \@setfpsbit 8%
2082 \fi
2083 \if \reserved@a %
2084 \@setfpsbit 8%
2085 \fi
2086 \if \reserved@a !%
2087 \ifnum \@tempcnta>15
2088 \advance\@tempcnta -\sixt@@n\relax
2089 \fi
2090 \fi
2091 }%
2092 \@tempcntb \csname ftype@\@capttype \endcsname
2093 \multiply \@tempcntb \@xxxii
2094 \advance \@tempcnta \@tempcntb
2095 \global \count\@currbox \@tempcnta
2096 }%
2097 \@fltovf
2098 \fi
2099 \global \setbox\@currbox
2100 \color@vbox

```



```

2101 \normalcolor
2102 \vbox \bgroup
2103 \hsize\columnwidth
2104 \@parboxrestore
2105 \@floatboxreset
2106 }
2107 \let\bm@ \bm@c
2108 \let\bm@ \bm@l
2109 \let\bm@ \bm@r
2110 \let\bm@ \bm@b
2111 \let\bm@ \bm@t
2112 \let\bm@ \bm@s
2113 \long\def\@iiiparbox#1#2[#3]#4#5{%
2114 \leavevmode
2115 \@pboxswfalse
2116 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2117 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
2118 \setlength\@tempdima{#4}%
2119 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
2120 \ifx\relax#2\else
2121 \setlength\@tempdimb{#2}%
2122 \edef\@parboxto{to\the\@tempdimb}%
2123 \fi
2124 \if#1b\vbox
2125 \else\if#1\vbox
2126 \else\if #1t\top
2127 \else\if vtop\ #1
2128 \else\ifmmode\vcenter
2129 \else\@pboxswtrue $\vcenter
2130 \fi\fi\fi\fi\fi
2131 \@parboxto{\let\hss\vss\let\unhbox\unvbox
2132 \csname bm@#3\endcsname}%
2133 \if@pboxsw \m@th$\fi
2134 \@end@tempboxa}
2135 \def\@iiiminipage#1#2[#3]#4{%
2136 \leavevmode
2137 \@pboxswfalse
2138 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2139 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
2140 \setlength\@tempdima{#4}%
2141 \def\@mpargs{#{#1}#{#2}#{#3}#{#4}}%
2142 \setbox\@tempboxa\vbox\bgroup
2143 \color@begingroup
2144 \hsize\@tempdima
2145 \textwidth\hsize \columnwidth\hsize
2146 \@parboxrestore
2147 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
2148 \let\@footnotetext\@mpfootnotetext
2149 \let\@LTRfootnotetext\@mpLTRfootnotetext
2150 \let\@RTLfootnotetext\@mpRTLfootnotetext

```



```

2151 \let\@listdepth\@mplistdepth \@mplistdepth\z@
2152 \@minipagerestore
2153 \@setminipage}
2154 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
2155 \ifnum \@lastchclass=3 5 \else
2156 \z@ \if #1c\@chnum \z@ \else
2157 \if chnum@\ #1 \z@ \else
2158 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2159 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2160 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2161 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2162 \@chclass \if #1|\@ne \else
2163 \if #1@\tw@ \else
2164 \if #1p3 \else
2165 \if 3 #1 \else \z@ \@preamerr 0\fi
2166 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2167 \fi}%
2168 }{}
2169 \@ifdefinitionfileloaded{array-xetex-bidi}{%
2170 \def\@testpach{\@chclass
2171 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2172 \ifnum \@lastchclass=7 5 \else
2173 \ifnum \@lastchclass=8 \tw@ \else
2174 \ifnum \@lastchclass=9 \thr@@
2175 \else \z@
2176 \ifnum \@lastchclass = 10 \else
2177 \edef\@nextchar{\expandafter\string\@nextchar}%
2178 \@chnum
2179 \if \@nextchar c\z@ \else
2180 \if \@nextchar @z\ \else
2181 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2182 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2183 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2184 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2185 \z@ \@chclass
2186 \if \@nextchar |\@ne \else
2187 \if \@nextchar !6 \else
2188 \if \@nextchar @7 \else
2189 \if \@nextchar <8 \else
2190 \if \@nextchar >9 \else
2191 10
2192 \@chnum
2193 \if \@nextchar m\thr@@\else
2194 \if \@nextchar thr@@\else\
2195 \if \@nextchar p4 \else
2196 \if \@nextchar 4 \else
2197 \if \@nextchar b5 \else
2198 \if \@nextchar 5 \else
2199 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
2200 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%

```



```

2201 }{}
2202 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
2203 \ifadl\usingarypkg
2204 \def\@testpach{\@chclass
2205 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2206 \ifnum \@lastchclass=7 5 \else
2207 \ifnum \@lastchclass=8 \tw@ \else
2208 \ifnum \@lastchclass=9 \thr@@
2209 \else \z@
2210 \ifnum \@lastchclass = 10 \else
2211 \edef\@nextchar{\expandafter\string\@nextchar}%
2212 \@chnum
2213 \if \@nextchar c\z@ \else
2214 \if \@nextchar @z\ \else
2215 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2216 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2217 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2218 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2219 \z@ \@chclass
2220 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2221 \if \@nextchar :|\@ne \let\@arrayrule\adl@arraydashrule \else
2222 \if \@nextchar ;|\@ne \let\@arrayrule\adl@argarraydashrule \else
2223 \if \@nextchar !6 \else
2224 \if \@nextchar @7 \else
2225 \if \@nextchar <8 \else
2226 \if \@nextchar >9 \else
2227 10
2228 \@chnum
2229 \if \@nextchar m\thr@@\else
2230 \if \@nextchar thr@@\else\
2231 \if \@nextchar p4 \else
2232 \if \@nextchar 4 \else
2233 \if \@nextchar b5 \else
2234 \if \@nextchar 5 \else
2235 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2236 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2237
2238 \def\@classz{\@classx
2239 \@tempcnta \count@
2240 \prepnext@tok
2241 \@addtopreamble{\ifcase \@chnum
2242 \hfil
2243 \adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
2244 \hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
2245 \hfil\hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\or
2246 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2247 \adl@endmbox\or
2248 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \endpbox \or
2249 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \endpbox
2250 \fi}\prepnext@tok}

```



```

2251 \def\adl@class@start{4}
2252 \def\adl@class@iiiorvii{7}
2253
2254 \else
2255 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2256     \ifnum \@lastchclass=\thr@@ 5\relax \else
2257     \z@ \if #1c\@chnum \z@ \else
2258     \if @chnum\z@\ #1 \else
2259     \if \if@RTLtab#1\else#1\fi\@chnum \@ne \else
2260     \if \if@RTLtab#1 \else#1\fi\@chnum \@ne \else
2261     \if \if@RTLtab#1\else#1r\fi\@chnum \tw@ \else
2262     \if \if@RTLtab#1 \else#1\fi\@chnum \tw@ \else
2263     \@chclass
2264     \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2265     \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2266     \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2267     \if #1@\tw@ \else
2268     \if #1p\thr@@ \else
2269     \if @thr\ #1 \else\z@ \@preamerr 0\fi
2270     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2271
2272 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2273     \or \or \@addamp \or
2274     \@acolampacol \or \@firstampfalse \@acol \fi
2275     \edef\@preamble{\@preamble
2276     \ifcase \@chnum
2277         \hfil\adl@putlrc{$\relax\@sharp$}\hfil
2278         \or \adl@putlrc{$\relax\@sharp$}\hfil
2279         \or \hfil\adl@putlrc{$\relax\@sharp$}\fi}}
2280 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2281     \or \or \@addamp \or
2282     \@acolampacol \or \@firstampfalse \@acol \fi
2283     \edef\@preamble{\@preamble
2284     \ifcase \@chnum
2285         \hfil\adl@putlrc{\@sharp\unskip}\hfil
2286         \or \adl@putlrc{\@sharp\unskip}\hfil
2287         \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2288 \def\adl@class@start{6}
2289 \def\adl@class@iiiorvii{3}
2290 \fi
2291 }{}
2292 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2293 \def\@testpach{\@chclass
2294     \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2295     \ifnum \@lastchclass=7 5 \else
2296     \ifnum \@lastchclass=8 \tw@ \else
2297     \ifnum \@lastchclass=9 \thr@@
2298     \else \z@
2299     \ifnum \@lastchclass = 10 \else
2300     \edef\@nextchar{\expandafter\string\@nextchar}%

```



[illegible]

```

2351 \@flstylefalse\else\@flstyletrue\fi
2352 \setbox\@currbox\color\@vbox\normalcolor
2353 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2354 \@floatboxreset \@setnobreak
2355 \ignorespaces}
2356 }{}
2357 \begingroup \catcode `|=0 \catcode `[= 1
2358 \catcode `]=2 \catcode `{\=12 \catcode `}\=12
2359 \catcode `\\=12 \gdef|\@sx@xepersian@localize@verbatim#1\[[ ] |1#]{ }
2360 \gdef|\@sx@xepersian@localize@verbatim#1\[[* ] |1#]{* }
2361 \endgroup
2362 \def\@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2363 \def\end \if@newlist \leavevmode\fi\endtrivlist}
2364 \ExplSyntaxOn
2365 \AtBeginDocument{\@namedef{ }*\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian@
2366 \ExplSyntaxOff
2367 \expandafter\let\csname end * \endcsname =\end

```

### 7.43 natbib-xepersian.def

```

2368 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2369 \renewcommand\NAT@set@cites{%
2370 \ifNAT@numbers
2371 \ifNAT@super \let\@cite\NAT@citesuper
2372 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2373 \let\citeyearpar=\citeyear
2374 \let\NAT@space\relax
2375 \def\NAT@super@kern{\kern\p}%
2376 \else
2377 \let\NAT@mbox=\mbox
2378 \let\@cite\NAT@citenum
2379 \let\NAT@space\NAT@spacechar
2380 \let\NAT@super@kern\relax
2381 \fi
2382 \let\@citex\NAT@citexnum
2383 \let\@Latincitex\NAT@Latin@citexnum
2384 \let\@biblabel\NAT@biblabelnum
2385 \let\@bibsetup\NAT@bibsetnum
2386 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2387 \def\natexlab##1{}%
2388 \def\NAT@penalty{\penalty\@m}%
2389 \else
2390 \let\@cite\NAT@cite
2391 \let\@citex\NAT@citex
2392 \let\@Latincitex\NAT@Latin@citex
2393 \let\@biblabel\NAT@biblabel
2394 \let\@bibsetup\NAT@bibsetup
2395 \let\NAT@space\NAT@spacechar
2396 \let\NAT@penalty\@empty
2397 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%

```



```

2398 \def\natexlab##1{##1}%
2399 \fi}
2400 \newcommand\NAT@Latin@citex{}
2401 \def\NAT@Latin@citex%
2402   [#1] [#2] #3{%
2403   \NAT@reset@parser
2404   \NAT@sort@cites{#3}%
2405   \NAT@reset@citea
2406   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2407   \@for\@citeb:=\NAT@cite@list\do
2408   {\@safe@activestrue
2409   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2410   \@safe@activesfalse
2411   \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2412   {\reset@font\bfseries ?}\NAT@citeundefined
2413   \PackageWarning{natbib}%
2414   {Citation '\@citeb' on page \thepage \space undefined}}\def\NAT@date{}}%
2415   {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2416   \NAT@parse{\@citeb}%
2417   \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2418   \let\NAT@name=\NAT@all@names
2419   \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}%
2420   \fi
2421   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2422   \let\NAT@nm\NAT@name\fi
2423   \ifNAT@swa\ifcase\NAT@ctype
2424   \if\relax\NAT@date\relax
2425   \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2426   \else
2427   \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2428   \ifx\NAT@last@yr\NAT@year
2429   \def\NAT@temp{?}%
2430   \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2431   {Multiple citation on page \thepage: same authors and
2432   year\MessageBreak without distinguishing extra
2433   letter,\MessageBreak appears as question mark}\fi
2434   \NAT@hyper@{\NAT@exlab}%
2435   \else\unskip\NAT@spacechar
2436   \NAT@hyper@{\NAT@date}%
2437   \fi
2438   \else
2439   \@citea\NAT@hyper@{%
2440   \NAT@nmfmt{\NAT@nm}%
2441   \hyper@natlinkbreak{%
2442   \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2443   }%
2444   \NAT@date
2445   }%
2446   \fi
2447   \fi

```



```

2448 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2449 \or\@citea\NAT@hyper@{\NAT@date}%
2450 \or\@citea\NAT@hyper@{\NAT@alias}%
2451 \fi \NAT@def@citea
2452 \else
2453 \ifcase\NAT@ctype
2454 \if\relax\NAT@date\relax
2455 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2456 \else
2457 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2458 \ifx\NAT@last@yr\NAT@year
2459 \def\NAT@temp{{?}}%
2460 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2461 {Multiple citation on page \thepage: same authors and
2462 year\MessageBreak without distinguishing extra
2463 letter,\MessageBreak appears as question mark}\fi
2464 \NAT@hyper@{\NAT@exlab}%
2465 \else
2466 \unskip\NAT@spacechar
2467 \NAT@hyper@{\NAT@date}%
2468 \fi
2469 \else
2470 \@citea\NAT@hyper@{%
2471 \NAT@nmfmt{\NAT@nm}%
2472 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2473 {\@citeb\@extra@b@citeb}%
2474 \NAT@date
2475 }%
2476 \fi
2477 \fi
2478 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2479 \or\@citea\NAT@hyper@{\NAT@date}%
2480 \or\@citea\NAT@hyper@{\NAT@alias}%
2481 \fi
2482 \if\relax\NAT@date\relax
2483 \NAT@def@citea
2484 \else
2485 \NAT@def@citea@close
2486 \fi
2487 \fi
2488 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2489 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2490 \newcommand\NAT@Latin@citexnum{}
2491 \def\NAT@Latin@citexnum[#1][#2]#3{%
2492 \NAT@reset@parser
2493 \NAT@sort@cites{#3}%
2494 \NAT@reset@citea
2495 \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2496 \@for\@citeb:=\NAT@cite@list\do
2497 {\@safe@activestrue

```



```

2498 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2499 \@safe@activesfalse
2500 \ifundefined{b\@citeb\@extra\b@citeb}{%
2501   {\reset@font\bfseries?}
2502   \NAT@citeundefined\PackageWarning{natbib}%
2503   {Citation `\'@citeb' on page \thepage \space undefined}}%
2504 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2505 \NAT@parse{\@citeb}%
2506 \ifNAT@longnames\ifundefined{bv\@citeb\@extra\b@citeb}{%
2507   \let\NAT@name=\NAT@all@names
2508   \global\@namedef{bv\@citeb\@extra\b@citeb}{}}}%
2509 \fi
2510 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2511   \let\NAT@nm\NAT@name\fi
2512 \ifNAT@swa
2513   \@ifnum{\NAT@ctype>\@ne}{%
2514     \citea
2515 \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2516   }{%
2517     \@ifnum{\NAT@cmprs>\z@}{%
2518       \NAT@ifcat@num\NAT@num
2519       {\let\NAT@nm=\NAT@num}%
2520       {\def\NAT@nm{-2}}%
2521       \NAT@ifcat@num\NAT@last@num
2522       {\@tempcnta=\NAT@last@num\relax}%
2523       {\@tempcnta\m@ne}%
2524       \@ifnum{\NAT@nm=\@tempcnta}{%
2525         \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbx}%
2526       }{%
2527         \advance\@tempcnta by\@ne
2528         \@ifnum{\NAT@nm=\@tempcnta}{%
2529           \ifx\NAT@last@yr\relax
2530             \def\NAT@last@yr{\@citea}%
2531           \else
2532             \def\NAT@last@yr{--\NAT@penalty}%
2533           \fi
2534         }{%
2535           \NAT@last@yr@mbx
2536         }%
2537       }%
2538     }{%
2539       \@tempswatrue
2540 \NAT@def@citea
2541 \if@tempswa\NAT@citea@mbx\fi
2542   }%
2543   \NAT@def@citea
2544 \else
2545   \ifcase\NAT@ctype
2546     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2547

```



```

2548 \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2549 \fi
2550 \if*#1*\else#1\NAT@spacechar\fi
2551 \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2552 \NAT@def@citea@box
2553 \or
2554 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2555 \or
2556 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2557 \or
2558 \NAT@hyper@citea@space\NAT@alias
2559 \fi
2560 \fi
2561 }%
2562 }%
2563 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2564 \ifNAT@swa\else
2565 \ifnum{\NAT@ctype=\z@}{%
2566 \if*#2*\else\NAT@cmt#2\fi
2567 }{%
2568 \NAT@mbox{\NAT@@close}%
2569 \fi
2570 }}{#1}{#2}%
2571 }%
2572 \AtBeginDocument{\NAT@set@cites}
2573 \DeclareRobustCommand\Latincite
2574 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatru
2575 \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2576 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2577 \ifNAT@numbers\else
2578 \NAT@swafalse
2579 \fi
2580 \NAT@@Latin@@citetp[]}}
2581 \newcommand\NAT@@Latin@@citetp{}
2582 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 7.44 packages-localise-xepersian.def

```

2583 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2584 color} \}{color} @\-localise-xepersian.def}}{}
2585 \@ifpackageloaded{multicol}{%
2586 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2587 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2588 }{}
2589 \@ifpackageloaded{verbatim}{%
2590 \begingroup
2591 \vrb@catcodes
2592 \lccode`!=`\\ \lccode`\[=`\{ \lccode`\]=`~}
2593 \catcode`~=\active \lccode`~=`^^M
2594 \lccode`\C=`\C

```



```

2595 \lowercase{\endgroup
2596 \def\xepersian@localize@verbatim@start#1{%
2597 \verbatim@startline
2598 \if\noexpand#1\noexpand~%
2599 \let\next\xepersian@localize@verbatim@
2600 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2601 \next}%
2602 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2603 \def\xepersian@localize@verbatim@@#1! {%
2604 \verbatim@addtoline{#1}%
2605 \futurelet\next\xepersian@localize@verbatim@@@}%
2606 \def\xepersian@localize@verbatim@@@#1\@nil{%
2607 \ifx\next\@nil
2608 \verbatim@processline
2609 \verbatim@startline
2610 \let\next\xepersian@localize@verbatim@
2611 \else
2612 \def\@tempa##1! \@nil{##1}%
2613 \@temptokena{! }%
2614 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2615 \fi \next}%
2616 \def\xepersian@localize@verbatim@test#1{%
2617 \let\next\xepersian@localize@verbatim@test
2618 \if\noexpand#1\noexpand~%
2619 \expandafter\verbatim@addtoline
2620 \expandafter{\the\@temptokena}%
2621 \verbatim@processline
2622 \verbatim@startline
2623 \let\next\xepersian@localize@verbatim@
2624 \else \if\noexpand#1
2625 \@temptokena\expandafter{\the\@temptokena#1}%
2626 \else \if\noexpand#1\noexpand[%
2627 \let\@tempc\@empty
2628 \let\next\xepersian@localize@verbatim@testend
2629 \else
2630 \expandafter\verbatim@addtoline
2631 \expandafter{\the\@temptokena}%
2632 \def\next{\xepersian@localize@verbatim@#1}%
2633 \fi\fi\fi
2634 \next}%
2635 \def\xepersian@localize@verbatim@testend#1{%
2636 \if\noexpand#1\noexpand~%
2637 \expandafter\verbatim@addtoline
2638 \expandafter{\the\@temptokena}%
2639 \expandafter\verbatim@addtoline
2640 \expandafter{\@tempc}%
2641 \verbatim@processline
2642 \verbatim@startline
2643 \let\next\xepersian@localize@verbatim@
2644 \else\if\noexpand#1\noexpand[%

```



```

2645         \let\next\xepersian@localize@verbatim@@testend
2646     \else\if\noexpand#1\noexpand!%
2647         \expandafter\verbatim@addtoline
2648             \expandafter{\the\@temptokena[]}%
2649         \expandafter\verbatim@addtoline
2650             \expandafter{\@tempc}%
2651     \def\next{\xepersian@localize@verbatim@!}%
2652     \else \expandafter\def\expandafter\@tempc\expandafter
2653         {\@tempc#1}\fi\fi\fi
2654     \next}%
2655 \def\xepersian@localize@verbatim@@testend{%
2656     \ifx\@tempc\@currentvir
2657         \verbatim@finish
2658         \edef\next{\noexpand\end{\@currentvir}}%
2659         \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}%
2660     \else
2661         \expandafter\verbatim@addtoline
2662             \expandafter{\the\@temptokena[]}%
2663         \expandafter\verbatim@addtoline
2664             \expandafter{\@tempc}}%
2665     \let\next\xepersian@localize@verbatim@
2666     \fi
2667     \next}%
2668 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2669     \warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2670 \def\
2671     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2672     \xepersian@localize@verbatim@start}
2673 \def\end
2674     {\endtrivlist\endgroup\@doendpe}
2675 \expandafter\let\csname end
2676     *\endcsname =\end
2677 \def\
2678     {\ExplSyntaxOn
2679     \AtBeginDocument{
2680     \xepersian_localize_patch_verbatim:
2681     }
2682     \cs_set:Npn \xepersian_localize_patch_verbatim: {
2683     \ifpackageloaded{verbatim}{
2684     \cs_set:cpn {*
2685     } }
2686     \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@start
2687     }
2688     }{
2689     }
2690     \ExplSyntaxOff
2691     \@ifpackageloaded{graphicx}{%
2692     \def\Gin@boolkey#1#2{%
2693     \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2694     \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2true\endcsname}%
2695     \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2696     \expandafter\let\csname Gin@#2 \endcsname\csname Gin@#2false\endcsname}%

```



```

2695 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2696 \define@key{Grot}{origin}[c]{%
2697 \@tfor\@tempa:=#1\do{%
2698 \if l\@tempa \Grot@x\z@else
2699 \if tempa@ \Grot@x\z@else
2700 \if r\@tempa \Grot@x\width\else
2701 \if tempa@ \Grot@x\width\else
2702 \if t\@tempa \Grot@y\height\else
2703 \if tempa@ \Grot@y\height\else
2704 \if b\@tempa \Grot@y-\depth\else
2705 \if tempa@ \Grot@y-\depth\else
2706 \if B\@tempa \Grot@y\z@else
2707 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2708 {draft}{ }{Gin} @ \
2709 {origin}{ }{Gin} @ \
2710 {origin}{ }{Grot} @ \
2711 {clip}{ }{Gin} @ \
2712 {keepaspectratio}{ }{Gin} @ \
2713 {natwidth}{ }{Gin} @ \
2714 {natheight}{ }{Gin} @ \
2715 {bb}{ }{Gin} @ \
2716 {viewport}{ }{Gin} @ \
2717 {trim}{ }{Gin} @ \
2718 {angle}{ }{Gin} @ \
2719 {width}{ }{Gin} @ \
2720 {height}{ }{Gin} @ \
2721 {totalheight}{ }{Gin} @ \
2722 {scale}{ }{Gin} @ \
2723 {type}{ }{Gin} @ \
2724 {ext}{ }{Gin} @ \
2725 {read}{ }{Gin} @ \
2726 {command}{ }{Gin} @ \
2727 {x}{ }{Grot} @ \
2728 {y}{ }{Grot} @ \
2729 {units}{ }{Grot} @ \
2730 {}{}

```

## 7.45 parsidigits.map

```

2731 LHSName "Digits"
2732 RHSName "ParsiDigits"
2733
2734 pass(Unicode)
2735 U+0030 <> U+06F0 ;
2736 U+0031 <> U+06F1 ;
2737 U+0032 <> U+06F2 ;
2738 U+0033 <> U+06F3 ;
2739 U+0034 <> U+06F4 ;
2740 U+0035 <> U+06F5 ;
2741 U+0036 <> U+06F6 ;

```



```

2742 U+0037 <> U+06F7 ;
2743 U+0038 <> U+06F8 ;
2744 U+0039 <> U+06F9 ;
2745
2746
2747 U+002C <> U+060C ; comma > arabic comma
2748 U+003F <> U+061F ; question mark -> arabic qm
2749 U+003B <> U+061B ; semicolon -> arabic semicolon
2750
2751 ; ligatures from Knuth's original CMR fonts
2752 U+002D U+002D <> U+2013 ; -- -> en dash
2753 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2754
2755 U+0027 <> U+2019 ; ' -> right single quote
2756 U+0027 U+0027 <> U+201D ; '' -> right double quote
2757 U+0022 > U+201D ; " -> right double quote
2758
2759 U+0060 <> U+2018 ; ` -> left single quote
2760 U+0060 U+0060 <> U+201C ; `` -> left double quote
2761
2762 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2763 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2764
2765 ; additions supported in T1 encoding
2766 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2767 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2768 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 7.46 rapport1-xepersian.def

```

2769 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2770 \renewcommand*\thepart{\@tartibi\c@part}
2771 \renewcommand*\appendix{\par
2772   \setcounter{chapter}{0}%
2773   \setcounter{section}{0}%
2774   \gdef\@chapapp{\appendixname}%
2775   \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.47 rapport3-xepersian.def

```

2776 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2777 \renewcommand*\thepart{\@tartibi\c@part}
2778 \renewcommand*\appendix{\par
2779   \setcounter{chapter}{0}%
2780   \setcounter{section}{0}%
2781   \gdef\@chapapp{\appendixname}%
2782   \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.48 refrep-xepersian.def

```

2783 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2784 \renewcommand \thepart {\@tartibi\c@part}

```



```

2785 \renewcommand\appendix{\par
2786   \setcounter{chapter}{0}%
2787   \setcounter{section}{0}%
2788   \gdef\@chapapp{\appendixname}%
2789   \gdef\thechapter{\@harfi\c@chapter}
2790 }%end appendix

```

## 7.49 report-xepersian.def

```

2791 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2792 \renewcommand \thepart {\@tartibi\c@part}
2793 \renewcommand\appendix{\par
2794   \setcounter{chapter}{0}%
2795   \setcounter{section}{0}%
2796   \gdef\@chapapp{\appendixname}%
2797   \gdef\thechapter{\@harfi\c@chapter}
2798 }%end appendix

```

## 7.50 scrartcl-xepersian.def

```

2799 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2800 \renewcommand*{\thepart}{\@tartibi\c@part}
2801 \renewcommand*\appendix{\par%
2802   \setcounter{section}{0}%
2803   \setcounter{subsection}{0}%
2804   \gdef\thesection{\@harfi\c@section}%
2805   \csname appendixmore\endcsname
2806 }
2807 \renewcommand*{\@maybeautodot}[1]{%
2808   \ifx #1\@stop\let\@maybeautodot\relax
2809   \else
2810     \ifx #1\harfi \@autodottrue\fi
2811     \ifx #1\adadi \@autodottrue\fi
2812     \ifx #1\tartibi \@autodottrue\fi
2813     \ifx #1\Alph \@autodottrue\fi
2814     \ifx #1\alph \@autodottrue\fi
2815     \ifx #1\Roman \@autodottrue\fi
2816     \ifx #1\roman \@autodottrue\fi
2817     \ifx #1\@harfi \@autodottrue\fi
2818     \ifx #1\@adadi \@autodottrue\fi
2819     \ifx #1\@tartibi \@autodottrue\fi
2820     \ifx #1\@Alph \@autodottrue\fi
2821     \ifx #1\@alph \@autodottrue\fi
2822     \ifx #1\@Roman \@autodottrue\fi
2823     \ifx #1\@roman \@autodottrue\fi
2824     \ifx #1\romannumeral \@autodottrue\fi
2825   \fi
2826   \@maybeautodot
2827 }

```

## 7.51 scrbook-xepersian.def



```

2828 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2829 \renewcommand*\frontmatter{%
2830   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2831   \@mainmatterfalse\pagenumbering{harfi}%
2832 }
2833 \renewcommand*\thepart{\@tartibi\c@part}
2834 \renewcommand*\appendix{\par%
2835   \setcounter{chapter}{0}%
2836   \setcounter{section}{0}%
2837   \gdef\@chapapp{\appendixname}%
2838   \gdef\thechapter{\@harfi\c@chapter}%
2839   \csname appendixmore\endcsname
2840 }
2841 \renewcommand*\@maybeautodot[1]{%
2842   \ifx #1\@stop\let\@maybeautodot\relax
2843   \else
2844     \ifx #1\harfi \@autodottrue\fi
2845     \ifx #1\adadi \@autodottrue\fi
2846     \ifx #1\tartibi \@autodottrue\fi
2847     \ifx #1\Alph \@autodottrue\fi
2848     \ifx #1\alph \@autodottrue\fi
2849     \ifx #1\Roman \@autodottrue\fi
2850     \ifx #1\roman \@autodottrue\fi
2851     \ifx #1\@harfi \@autodottrue\fi
2852     \ifx #1\@adadi \@autodottrue\fi
2853     \ifx #1\@tartibi \@autodottrue\fi
2854     \ifx #1\@Alph \@autodottrue\fi
2855     \ifx #1\@alph \@autodottrue\fi
2856     \ifx #1\@Roman \@autodottrue\fi
2857     \ifx #1\@roman \@autodottrue\fi
2858     \ifx #1\romannumeral \@autodottrue\fi
2859   \fi
2860   \@maybeautodot
2861 }

```

## 7.52 scrreprt-xepersian.def

```

2862 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2863 \renewcommand*\thepart{\@tartibi\c@part}
2864 \renewcommand*\appendix{\par%
2865   \setcounter{chapter}{0}%
2866   \setcounter{section}{0}%
2867   \gdef\@chapapp{\appendixname}%
2868   \gdef\thechapter{\@harfi\c@chapter}%
2869   \csname appendixmore\endcsname
2870 }
2871 \renewcommand*\@maybeautodot[1]{%
2872   \ifx #1\@stop\let\@maybeautodot\relax
2873   \else
2874     \ifx #1\harfi \@autodottrue\fi

```



```

2875 \ifx #1\adadi \@autodottrue\fi
2876 \ifx #1\tartibi \@autodottrue\fi
2877 \ifx #1\Alph \@autodottrue\fi
2878 \ifx #1\alph \@autodottrue\fi
2879 \ifx #1\Roman \@autodottrue\fi
2880 \ifx #1\roman \@autodottrue\fi
2881 \ifx #1\@harfi \@autodottrue\fi
2882 \ifx #1\@adadi \@autodottrue\fi
2883 \ifx #1\@tartibi \@autodottrue\fi
2884 \ifx #1\@Alph \@autodottrue\fi
2885 \ifx #1\@alph \@autodottrue\fi
2886 \ifx #1\@Roman \@autodottrue\fi
2887 \ifx #1\@roman \@autodottrue\fi
2888 \ifx #1\romannumeral \@autodottrue\fi
2889 \fi
2890 \@@maybeautodot
2891 }

```

## 7.53 tkz-linknodes-xepersian.def

```

2892 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes package]
2893 \renewcommand*{\@SetTab}{%
2894 \let\@alph\@latinalph%
2895 \ifnum \value{C@NumTab}>25\relax%
2896 \setcounter{C@NumTab}{1}%
2897 \else%
2898 \stepcounter{C@NumTab}%
2899 \fi%
2900 \setcounter{C@NumGroup}{0}%
2901 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2902 \setboolean{B@FirstLink}{true}
2903 \setboolean{B@NewGroup}{false}
2904 \setcounter{C@NumGroup}{0}
2905 \setcounter{C@CurrentGroup}{0}
2906 \setcounter{NumC@Node}{0}
2907 \setcounter{NumC@stop}{0}
2908 \setcounter{C@NextNode}{0}
2909 \setcounter{C@CurrentStop}{0}
2910 \setcounter{C@CurrentNode}{0}
2911 }%

```

## 7.54 tocloft-xepersian.def

```

2912 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2913 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2914 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2915 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2916 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2917 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2918 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2919 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}

```



```

2920 \renewcommand*{\cftsubfigname}{\if@RTL else\    subfigure\fi}
2921 \renewcommand*{\cfttabname}{\if@RTL else\    table\fi}
2922 \renewcommand*{\cftsubtabname}{\if@RTL else\    subtable\fi}

```

## 7.55 xepersian.sty

```

2923 \NeedsTeXFormat{LaTeX2e}
2924 \def\xepersianversion{v15.9}
2925 \def\xepersiandate{2015/02/01}
2926 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2927 Persian typesetting in XeLaTeX]
2928 \RequirePackage{fontspec}
2929 \RequirePackage{xepersian-persiancal}
2930 \RequirePackage{xepersian-mathsdigitspec}
2931 \RequirePackage{bidi}
2932 \edef\xepersian@info{*****^^J%
2933 * ^^J%
2934 * xepersian package (Persian for LaTeX, using XeTeX engine)^^J%
2935 * ^^J%
2936 * Description: The package supports Persian^^J%
2937 * typesetting, using fonts provided in the^^J%
2938 * distribution.^^J%
2939 * ^^J%
2940 * Copyright (c) 2008--2015 Vafa Khalighi^^J%
2941 * ^^J%
2942 * \xepersianversion, \xepersiandate^^J%
2943 * ^^J%
2944 * License: LaTeX Project Public License, version^^J%
2945 * 1.3c or higher (your choice)^^J%
2946 * ^^J%
2947 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2948 * ^^J%
2949 * Issue tracker: https://github.com/persian-tex/xepersian/issues^^J%
2950 * ^^J%
2951 * Support: persian-tex@tug.org^^J%
2952 *****}
2953 \typeout{\xepersian@info}
2954 \edef\xepersian@everyjob{\the\everyjob}
2955 \everyjob{\xepersian@everyjob\typeout{\xepersian@info}}
2956 \def\prq{«}
2957 \def\plq{»}
2958 \def\xepersian@cmds@temp#1{%
2959   \begingroup\expandafter\expandafter\expandafter\endgroup
2960   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2961     \begingroup
2962       \escapechar=-1 %
2963       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2964       \def\y{#1}%
2965       \def\z##1->{}%
2966       \edef\y{\expandafter\z\meaning\y}%

```



```

2967 \expandafter\endgroup
2968 \ifx\x\y
2969 \expandafter\def\csname xepersian@#1\expandafter\endcsname
2970 \expandafter{%
2971 \csname#1\endcsname
2972 }%
2973 \fi
2974 \fi
2975 }%
2976 \xepersian@cmds@temp{shellescape}
2977 \newif\ifwritexviii
2978 \ifnum\xepersian@shellescape=1\relax
2979 \writexviiitrue
2980 \else
2981 \writexviiifalse
2982 \fi
2983 \newfontscript{Parsi}{arab}
2984 \newfontlanguage{Parsi}{FAR}
2985 \ExplSyntaxOn
2986 \DeclareDocumentCommand \settextfont { 0{} m 0{} }
2987 {
2988 \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \persianfont _family } {Script=Parsi,Lang
2989 \use:x
2990 {
2991 \exp_not:N \DeclareRobustCommand \exp_not:N \persianfont
2992 {
2993 \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
2994 \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \persianfont _family} } \exp_not:N \
2995 }
2996 }
2997 \cs_set_eq:NN \rmdefault \l_fontspec_family_tl
2998 \normalfont
2999 }
3000 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3001 {
3002 \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \latinfont _family } {Mapping=tex-text,#1,
3003 \use:x
3004 {
3005 \exp_not:N \DeclareRobustCommand \exp_not:N \latinfont
3006 {
3007 \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3008 \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \latinfont _family} } \exp_not:N \
3009 }
3010 }
3011 }
3012 \cs_set_eq:NN \setlatinsansfont \setsansfont
3013 \cs_set_eq:NN \setlatinmonofont \setmonofont
3014 \DeclareDocumentCommand \defpersianfont { m 0{} m 0{} }
3015 {
3016 \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Parsi,

```



```

3017 \use:x
3018 {
3019   \exp_not:N \DeclareRobustCommand \exp_not:N #1
3020   {
3021     \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3022     \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N #1 _family} } \exp_not:N \selectfont
3023   }
3024 }
3025 }
3026 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3027 {
3028   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2,#4} {#3}
3029   \use:x
3030   {
3031     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3032     {
3033       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3034       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N #1 _family} } \exp_not:N \selectfont
3035     }
3036   }
3037 }
3038 \newcommand\persiansfdefault{}
3039 \newcommand\persianttdefault{}
3040 \newcommand\iranicsfdefault{}
3041 \newcommand\navarsfdefault{}
3042 \newcommand\pooksfdefault{}
3043 \newcommand\sayehsfdefault{}
3044 \DeclareRobustCommand\persiansffamily
3045   {\not@math@alphabet\persiansffamily\mathpersiansf
3046   \fontfamily\persiansfdefault\selectfont}
3047 \DeclareRobustCommand\persianttfamily
3048   {\not@math@alphabet\persianttfamily\mathpersiantt
3049   \fontfamily\persianttdefault\selectfont}
3050 \DeclareRobustCommand\iranicsfamily
3051   {\not@math@alphabet\iranicsfamily\mathiranics
3052   \fontfamily\iranicsfdefault\selectfont}
3053 \DeclareRobustCommand\navarsfamily
3054   {\not@math@alphabet\navarsfamily\mathnavar
3055   \fontfamily\navarsfdefault\selectfont}
3056 \DeclareRobustCommand\pooksfamily
3057   {\not@math@alphabet\pooksfamily\mathpook
3058   \fontfamily\pooksfdefault\selectfont}
3059 \DeclareRobustCommand\sayehsfamily
3060   {\not@math@alphabet\sayehsfamily\mathsayeh
3061   \fontfamily\sayehsfdefault\selectfont}
3062 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3063 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3064 \DeclareTextFontCommand{\textiranics}{\iranicsfamily}
3065 \DeclareTextFontCommand{\textnavar}{\navarsfamily}
3066 \DeclareTextFontCommand{\textpook}{\pooksfamily}

```



```

3067 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3068 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3069 {
3070   \fontspec_set_family:Nnn \persiansfdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3071   \normalfont
3072   \ignorespaces
3073 }
3074 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3075 {
3076   \fontspec_set_family:Nnn \persianttdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3077   \normalfont
3078   \ignorespaces
3079 }
3080 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3081 {
3082   \fontspec_set_family:Nnn \navardefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#3
3083   \normalfont
3084   \ignorespaces
3085 }
3086 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3087 {
3088   \fontspec_set_family:Nnn \pookdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#3}
3089   \normalfont
3090   \ignorespaces
3091 }
3092 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3093 {
3094   \fontspec_set_family:Nnn \sayehdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#3
3095   \normalfont
3096   \ignorespaces
3097 }
3098 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
3099 {
3100   \fontspec_set_family:Nnn \iranicondefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1,#
3101   \normalfont
3102   \ignorespaces
3103 }
3104 \ExplSyntaxOff
3105 \def\resetlatinfont{%
3106 \let\normalfont\latinfont%
3107 \let\reset@font\normalfont%
3108 \latinfont}
3109 \def\setpersianfont{%
3110 \let\normalfont\persianfont%
3111 \let\reset@font\normalfont%
3112 \persianfont}
3113 \bidi@newrobustcmd*{\lr}[1]{\LRE{\@Latintrue\latinfont#1}}
3114 \bidi@newrobustcmd*{\rl}[1]{\RLE{\@Latinfalse\persianfont#1}}
3115 \def\latin{\LTR\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlatinfont}
3116 \def\endlatin{\endLTR}

```



```

3117 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3118 \def\endpersian{\endRTL}
3119 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@Latintrue\@RTL@footnotefalse\resetlat
3120 \newenvironment{parsiiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\e
3121 \let\originaltoday=\today
3122 \def\latintoday{\lr{\originaltoday}}
3123 \def\today{\rl{\persiantoday}}
3124 \def \@LTRmarginparreset {%
3125     \reset@font
3126     \latinfont
3127     \normalsize
3128     \@minipagetrue
3129     \everypar{\@minipagefalse\everypar{}\beginL}%
3130 }
3131 \DeclareRobustCommand\Latincite{%
3132     \@ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}]
3133 \def\@Latincitex[#1]#2{\leavevmode
3134     \let\@citea\@empty
3135     \@cite{\lr{\@for\@citeb:=#2\do
3136         {\@citea\def\@citea{,\penalty\@m\ }%
3137         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
3138         \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3139         \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3140         \@refundefinedtrue
3141         \@latex@warning
3142             {Citation `'\@citeb' on page \thepage \space undefined}}%
3143         {\@cite@ofmt{\csname b@\@citeb\endcsname}}}}{#1}}
3144 \def\@outputpage{%
3145 \begingroup           % the \endgroup is put in by \aftergroup
3146 \let \protect \noexpand
3147 \@resetactivechars
3148 \global\let\@if@newlist\if@newlist
3149 \global\@newlistfalse
3150 \@parboxrestore
3151 \shipout \vbox{%
3152     \set@typeset@protect
3153     \aftergroup \endgroup
3154     \aftergroup \set@typeset@protect
3155                                     % correct? or just restore by ending
3156                                     % the group?
3157 \if@specialpage
3158     \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
3159 \fi
3160 \if@twoside
3161     \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
3162     \let\@themargin\oddsidemargin
3163     \else \let\@thehead\@evenhead
3164     \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
3165 \fi
3166 \ifx\@thehead\@empty \let\@thehead\hfil \fi

```



```

3167 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
3168 \else %% not @twoside
3169 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
3170 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
3171 \fi
3172 \reset@font
3173 \normalsize
3174 \if@RTLmain\setpersianfont\else\resetlatinfont\fi
3175 \normalsfcodes
3176 \let\label\@gobble
3177 \let\index\@gobble
3178 \let\glossary\@gobble
3179 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
3180 \@begindvi
3181 \vskip \topmargin
3182 \moveright\@themargin \vbox {%
3183   \setbox\@tempboxa \vbox to\headheight{%
3184     \vfil
3185     \color@hbox
3186     \normalcolor
3187     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
3188     \color@endbox
3189   }%
3190   \dp\@tempboxa \z@
3191   \box\@tempboxa
3192   \vskip \headsep
3193   \box\@outputbox
3194   \baselineskip \footskip
3195   \color@hbox
3196   \normalcolor
3197   \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
3198   \color@endbox
3199 }%
3200 }%
3201 \global\let\if@newlist\@if@newlist
3202 \global \colht \textheight
3203 \stepcounter{page}%
3204 \let\firstmark\botmark
3205 }
3206 \newcommand\twocolumnstableofcontents{%
3207 \ifpackageloaded{multicol}{%
3208 \begin{multicols}{2}[\section*{\contentsname}]%
3209 \small
3210 \@starttoc{toc}%
3211 \end{multicols}}
3212 {\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for bei
3213 \def\XePersian{\leavevmode$\smash{\hbox{X}\lower.5ex
3214 \hbox{\kern-.125em\@reflect@box{E}}Persian}}$}
3215 \def\figurename{\if@RTL \else\ Figure\fi}

```



```

3216 \def\tablename{\if@RTL else\   Table\fi}
3217 \def\contentsname{\if@RTL   else\   Contents\fi}
3218 \def\listfigurename{\if@RTL   else\   List of Figures\fi}
3219 \def\listtablename{\if@RTL   else\   List of Tables\fi}
3220 \def\appendixname{\if@RTL else\   Appendix\fi}
3221 \def\indexname{\if@RTL else\   Index\fi}
3222 \def\refname{\if@RTL else\   References\fi}
3223 \def\abstractname{\if@RTL else\   Abstract\fi}
3224 \def\partname{\if@RTL else\   Part\fi}
3225 \def\datename{\if@RTL else\   Date:\fi}
3226 \def\@and{\if@RTL else\   and\fi}
3227 \def\bibname{\if@RTL else\   Bibliography\fi}
3228 \def\chaptername{\if@RTL else\   Chapter\fi}
3229 \def\ccname{\if@RTL else\   cc\fi}
3230 \def\enclname{\if@RTL else\   encl\fi}
3231 \def\pagename{\if@RTL else\   Page\fi}
3232 \def\headtoname{\if@RTL else\   To\fi}
3233 \def\proofname{\if@RTL else\   Proof\fi}
3234 \def\@Abjad#1{%
3235   \ifcase#1\or or\ or\ or\ %
3236       \or or\ or\ or\ or\ %
3237       \or or\ or\ or\ or\ %
3238       \or or\ or\ or\ %
3239       \or or\ or\ or\ or\ %
3240       \or or\ or\ or\ or\ %
3241       \else\@ctrerr\fi}
3242 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3243 \let\Abjadnumeral\@Abjad
3244 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3245 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3246 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3247 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3248 \let\harfinumeral\@harfi
3249 \newcommand{\adadi}[1]{%
3250 \expandafter\@adadi\csname c@#1\endcsname%
3251 }
3252 \newcommand{\@adadi}[1]{%
3253 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
3254 }
3255 \let\adadinumeral\@adadi%
3256 \def\xepersian@numberoutofrange#1#2{%
3257 \PackageError{xepersian}{The number `#1' is too large %
3258 to be formatted using xepersian}{The largest possible %
3259 number is 999,999,999.}%
3260 }
3261 \def\xepersian@numberstring#1#2#3#4{%
3262 \ifnum\number#1<\@ne%
3263 #3%
3264 \else\ifnum\number#1<1000000000 %
3265 \expandafter\xepersian@adadi\expandafter{\number#1}#2%

```



```

3266 \else%
3267 \xepersian@numberoutofrange{#1}{#4}%
3268 \fi\fi%
3269 }
3270 \def\xepersian@adadi#1#2{%
3271 \expandafter\xepersian@@adadi%
3272 \ifcase%
3273 \ifnum#1<10 1%
3274 \else\ifnum#1<100 2%
3275 \else\ifnum#1<\@m 3%
3276 \else\ifnum#1<\@M 4%
3277 \else\ifnum#1<100000 5%
3278 \else\ifnum#1<1000000 6%
3279 \else\ifnum#1<10000000 7%
3280 \else\ifnum#1<100000000 8%
3281 \else9%
3282 \fi\fi\fi\fi\fi\fi\fi\fi %
3283 \or00000000#1% case 1: Add 8 leading zeros
3284 \or0000000#1% case 2: Add 7 leading zeros
3285 \or000000#1% case 3: Add 6 leading zeros
3286 \or00000#1% case 4: Add 5 leading zeros
3287 \or0000#1% case 5: Add 4 leading zeros
3288 \or000#1% case 6: Add 3 leading zeros
3289 \or00#1% case 7: Add 2 leading zeros
3290 \or0#1% case 8: Add 1 leading zero
3291 \or#1% case 9: Add no leading zeros
3292 \or%
3293 \@nil#2%
3294 \fi%
3295 }
3296 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3297 \ifnum#1#2#3>\z@
3298 \xepersian@milyoongan#1#2#3%
3299 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3300 \fi%
3301 \ifnum#4#5#6>\z@%
3302 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3303 \ifnum#4#5#6>\@ne\fi%
3304 %
3305 \ifnum#7>\z@\ \fi%
3306 \fi%
3307 \xepersian@sadgan#7{#4#5#6}1#9%
3308 }
3309 \def\xepersian@milyoongan#1#2#3{%
3310 \ifnum#1#2#3=\@ne%
3311 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3312 %
3313 %
3314 \else%
3315 \xepersian@sadgan#1#2#301\xepersian@yekanii%

```



```

3316 %
3317 %
3318 \fi%
3319 }
3320 \def\xepersian@sadgan#1#2#3#4#5#6{%
3321 \ifnum#1>z@%
3322 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3323 %
3324 \ifnum#2#3>z@ \fi%
3325 \fi%
3326 \ifnum#2#3<20%
3327 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3328 \else%
3329 \xepersian@dahgan#2%
3330 \ifnum#3>z@ \xepersian@yekani#3\fi%
3331 #60%
3332 \fi%
3333 }
3334 \def\xepersian@yekani#1{%
3335 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3336 \or or\ or\ or\ or\ or\ %
3337 \or or\ or\ or\ %
3338 \or or\ %fi\
3339 }
3340 \def\xepersian@yekanii#1{%
3341 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3342 }
3343 \def\xepersian@yekaniii#1{%
3344 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3345 }
3346 \def\xepersian@yekaniv#1{%
3347 \ifcase#1\@empty\or or\ or\ or\ or\ %
3348 \or or\ or\ %fi\
3349 }
3350 \def\xepersian@dahgan#1{%
3351 \ifcase#1\or or\ or\ or\ %
3352 \or or\ or\ or\ %
3353 \or %fi\
3354 }
3355 \newcommand{\tartibi}[1]{%
3356 \expandafter\@tartibi\csname c@#1\endcsname%
3357 }
3358 \newcommand{\@tartibi}[1]{%
3359 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3360 }
3361 \let\tartibinumeral\@tartibi%
3362 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3363 \ifnum\number#1<\@ne%
3364 #3%
3365 \else\ifnum\number#1<1000000000 %

```



```

3366 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3367 \else%
3368 \xepersian@numberoutofrange{#1}-{#4}%
3369 \fi\fi%
3370 }
3371 \def\xepersian@adadi@tartibi#1#2{%
3372 \expandafter\xepersian@adadi@tartibi%
3373 \ifcase%
3374 \ifnum#1<10 1%
3375 \else\ifnum#1<100 2%
3376 \else\ifnum#1<\@m 3%
3377 \else\ifnum#1<\@M 4%
3378 \else\ifnum#1<100000 5%
3379 \else\ifnum#1<1000000 6%
3380 \else\ifnum#1<10000000 7%
3381 \else\ifnum#1<100000000 8%
3382 \else9%
3383 \fi\fi\fi\fi\fi\fi\fi\fi %
3384 \or00000000#1% case 1: Add 8 leading zeros
3385 \or0000000#1% case 2: Add 7 leading zeros
3386 \or000000#1% case 3: Add 6 leading zeros
3387 \or00000#1% case 4: Add 5 leading zeros
3388 \or0000#1% case 5: Add 4 leading zeros
3389 \or000#1% case 6: Add 3 leading zeros
3390 \or00#1% case 7: Add 2 leading zeros
3391 \or0#1% case 8: Add 1 leading zero
3392 \or#1% case 9: Add no leading zeros
3393 \or%
3394 \@nil#2%
3395 \fi%
3396 }
3397 \def\xepersian@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3398 \ifnum#1#2#3>\z@
3399 \xepersian@milyoongan@tartibi#1#2#3%
3400 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3401 \fi%
3402 \ifnum#4#5#6>\z@%
3403 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3404 \ifnum#4#5#6>\@ne \fi%
3405 %
3406 \ifnum#7>\z@\ \fi%
3407 \fi%
3408 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3409 }
3410 \def\xepersian@milyoongan@tartibi#1#2#3{%
3411 \ifnum#1#2#3=\@ne%
3412 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3413 %
3414 %
3415 \else%

```



```

3416 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3417 %
3418 %
3419 \fi%
3420 }
3421 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3422 \ifnum#1>\z@%
3423 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3424 %
3425 \ifnum#2#3>\z@\ \fi%
3426 \fi%
3427 \ifnum#2#3<20%
3428 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3429 %else%
3430 \xepersian@dahgan#2%
3431 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3432 #60%
3433 \fi%
3434 }
3435 \def\xepersian@tartibi#1{%
3436 \ifcase#1 \or or\ or\ or\ %
3437 \or or\ or\ or\ or\ %
3438 \or or\ or\ or\ %
3439 \or or\ or\ %
3440 \or or\ or\ %fi\
3441 }
3442 \def\xepersian@yekanv#1{%
3443 \ifcase#1 \@empty\or or\ or\ or\ or\ or\ %
3444 \or or\ or\ or\ or\ or\ or\ %
3445 \or or\ or\ or\ %
3446 \or or\ %fi\
3447 }
3448 \providecommand*\xpg@warning}[1]{%
3449 \PackageWarning{XePersian}%
3450 {#1}}
3451 \if@bidi@csundef{@abjad}{%
3452 \def\@abjad#1{%
3453 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3454 \else
3455 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3456 \else
3457 \ifnum#1<10\expandafter\abj@num@i\number#1%
3458 \else
3459 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3460 \else
3461 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3462 \else
3463 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3464 \fi
3465 \fi

```



```

3466     \fi
3467     \fi
3468     \fi
3469 \fi
3470 }
3471 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3472 \let\abjadnumeral\@abjad
3473 \def\abjad@zero{}
3474 \def\abj@num@i#1{%
3475     \ifcase#1\or or\ or\ or\ %
3476         \or or\ or\ or\ or\ fi\
3477     \ifnum#1=\z@\abjad@zero\fi}
3478 \def\abj@num@ii#1{%
3479     \ifcase#1\or or\ or\ or\ or\ %
3480         \or or\ or\ or\ fi\
3481     \ifnum#1=\z@\fi\abj@num@i}
3482 \def\abj@num@iii#1{%
3483     \ifcase#1\or or\ or\ or\ or\ %
3484         \or or\ or\ or\ fi\
3485     \ifnum#1=\z@\fi\abj@num@ii}
3486 \def\abj@num@iv#1{%
3487     \ifcase#1\or fi\
3488     \ifnum#1=\z@\fi\abj@num@iii}
3489 }{}
3490 \let\@latinalph\@alph%
3491 \let\@latinAlph\@Alph%
3492 \def\LatinAlphs{%
3493     \let\@alph\@latinalph%
3494     \let\@Alph\@latinAlph%
3495 }
3496 \bidi@AfterEndPreamble{%
3497 \if@bidi@csundef{persianfont}}{%
3498 \PackageError{xepersian}{You have not specified any font\MessageBreak
3499 for the main Persian text}{Use '\settextfont' to load a font.}%
3500 }{}
3501 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3502 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3503 \@ifpackageloaded{fontspec-xetex}{\input{fontspec-xetex-xepersian.def}}{}
3504 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3505 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3506 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3507 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3508 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3509 \@ifpackageloaded{bidi}{\input{footnote-xepersian.def}}{}
3510 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
3511 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3512 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3513 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3514 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3515 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}

```



```

3516 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3517 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3518 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3519 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}}{}
3520 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3521 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3522 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3523 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3524 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3525 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3526 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3527 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3528 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3529 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3530 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3531 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3532 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3533 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3534 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3535 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3536 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3537 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3538 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3539 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3540 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3541 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3542 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3543 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3544 \ifcase\xepersian@tempb\relax
3545 \AutoMathsDigits
3546 \or
3547 \DefaultMathsDigits
3548 \or
3549 \PersianMathsDigits
3550 \fi}
3551 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3552 \ifcase\xepersian@tempb\relax
3553 \RTLtrue
3554 \or
3555 \RTLfalse
3556 \fi}
3557 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3558 \ifcase\xepersian@tempb\relax
3559 \RTLtrue
3560 \or
3561 \RTLfalse
3562 \fi}
3563 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,lef
3564 \ifcase\xepersian@tempb\relax
3565 \autofootnoterule

```



```

3566 \or
3567 \leftfootnoterule
3568 \or
3569 \rightfootnoterule
3570 \or
3571 \SplitFootnoteRule
3572 \or
3573 \textwidthfootnoterule
3574 \fi}
3575 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttoleft}
3576 \ifcase\xepersian@tempb\relax
3577 \RTL@footnotetrue
3578 \or
3579 \RTL@footnotefalse
3580 \fi}
3581 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,off}
3582 \ifcase\xepersian@tempb\relax
3583 \footdir@debugtrue
3584 \or
3585 \footdir@debugfalse
3586 \fi}
3587 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3588 \ifcase\xepersian@tempb\relax
3589 \input{kashida-xepersian.def}
3590 \fi}
3591 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3592 \ifcase\xepersian@tempb\relax
3593 \input{localise-xepersian.def}
3594 \fi}
3595 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3596 \ifcase\xepersian@tempb\relax
3597 \Extrafootnotefeaturestrue
3598 \or
3599 \Extrafootnotefeaturesfalse
3600 \fi}
3601 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3602 \ifcase\xepersian@tempb\relax
3603 \PackageWarning{xepersian}{Obsolete option}%
3604 \ifwritexviii%
3605 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the memoir class}%
3606 \renewcommand\printindex{\newpage%
3607 \immediate\closeout\@indexfile
3608 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3609 \@input@{\jobname.ind}}}%
3610 \else
3611 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xelatex" or "xelatex -shell-escape"}%
3612 \fi
3613 \fi}
3614 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3615 \ifcase\xepersian@tempb\relax

```



```

3616 \ifwritexviii%
3617 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the mem
3618 \renewcommand\printindex{\newpage%
3619 \immediate\closeout\@indexfile
3620 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobname.idx}
3621 \@input@{\jobname.ind}}}%
3622 \else
3623 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xela
3624 \fi
3625 \fi}
3626 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}
3627 \ifcase\xepersian@tempb\relax
3628 \ifwritexviii%
3629 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with the mem
3630 \renewcommand\printindex{\newpage%
3631 \immediate\closeout\@indexfile
3632 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.idx}
3633 \@input@{\jobname.ind}}}%
3634 \else
3635 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "xela
3636 \fi
3637 \fi}
3638 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3639 \ifcase\xepersian@tempb\relax
3640 \def\PersianAlphs{%
3641 \let\@alph\@abjad%
3642 \let\@Alph\@abjad%
3643 }
3644 \or
3645 \def\PersianAlphs{%
3646 \let\@alph\@Abjad%
3647 \let\@Alph\@Abjad%
3648 }
3649 \fi}
3650 \DeclareOptionX{defaultlatinfontfeatures}{%
3651 \defaultfontfeatures
3652 [\latinfont]
3653 {#1}
3654 }
3655
3656 \ExecuteOptionsX{%
3657 RTLdocument=on,
3658 footnotedirection=righttoleft,
3659 footnoterule=automatic,
3660 abjadvariant=two
3661 }
3662
3663 \ProcessOptionsX
3664
3665 \if@extrafootnotefeatures

```



```

3666 \input{extrafootnotefeatures-xetex-bidi.def}
3667 \input{extrafootnotefeatures-xepersian.def}
3668 \fi
3669
3670 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3671 \PersianAlphs

```

## 7.56 xepersian-magazine.cls

```

3672 \NeedsTeXFormat{LaTeX2e}
3673 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3674 \RequirePackage{ifthen}
3675 \newlength{\xepersian@imgsize}
3676 \newlength{\xepersian@coltitsize}
3677 \newlength{\xepersian@pageneed}
3678 \newlength{\xepersian@pageleft}
3679 \newlength{\xepersian@indexwidth}
3680 \newcommand{\xepersian@ncolumns}{0}
3681 \newlength{\columnlines}
3682 \setlength{\columnlines}{0 pt} % no lines by default
3683 \newboolean{xepersian@hyphenatedtitles}
3684 \setboolean{xepersian@hyphenatedtitles}{true}
3685 \newboolean{xepersian@ninepoints}
3686 \setboolean{xepersian@ninepoints}{false}
3687 \newboolean{xepersian@showgrid}
3688 \setboolean{xepersian@showgrid}{false}
3689 \newboolean{xepersian@a3paper}
3690 \setboolean{xepersian@a3paper}{false}
3691 \newboolean{xepersian@insidefrontpage}
3692 \setboolean{xepersian@insidefrontpage}{false}
3693 \newboolean{xepersian@insideweather}
3694 \setboolean{xepersian@insideweather}{false}
3695 \newboolean{xepersian@insideindex}
3696 \setboolean{xepersian@insideindex}{false}
3697 \newcount\xepersian@gridrows
3698 \newcount\xepersian@gridcolumns
3699 \xepersian@gridrows=40
3700 \xepersian@gridcolumns=50
3701 \newcount\minraggedcols
3702 \minraggedcols=5
3703 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3704 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3705 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3706 \DeclareOption{twocolumn}%
3707 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3708 \DeclareOption{notitlepage}%
3709 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3710 \DeclareOption{twoside}%
3711 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3712 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}

```



```

3713 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3714 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3715 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3716 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3717 \ProcessOptions\relax
3718 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3719 \RequirePackage{ifxetex}
3720 \RequirePackage{multido}
3721 \RequirePackage{datetime}
3722 \RequirePackage{multicol}
3723 \RequirePackage{fancyhdr}
3724 \RequirePackage{fancybox}
3725 \ifthenelse{\boolean{xepersian@a3paper}}{%
3726 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3727 }{
3728 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3729 }
3730 \RequirePackage[absolute]{textpos} % absolute positioning
3731 \RequirePackage{hyphenat} % when hyphenate
3732 \RequirePackage{lastpage} % to know the last page number
3733 \RequirePackage{setspace} % set space between lines
3734 \RequirePackage{ragged2e}
3735 \newcommand{\raggedFormat}{\RaggedLeft}
3736 \AtEndOfClass{\xepersianInit}
3737 \ifthenelse{\boolean{xepersian@showgrid}}{%
3738 \AtBeginDocument{
3739 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3740 \advance\minraggedcols by -1
3741 }{%
3742 \AtBeginDocument{
3743 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3744 \advance\minraggedcols by -1
3745 }
3746 \ifthenelse{\boolean{xepersian@ninepoints}}{
3747 \renewcommand{\normalsize}{%
3748 \setfontsize{\normalsize}{9pt}{10pt}%
3749 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3750 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3751 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3752 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3753
3754 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
3755
3756 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
3757
3758 \renewcommand{\small}{%
3759 \setfontsize{\small}{8pt}{9pt}%
3760 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3761 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3762 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%

```



```

3763 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3764
3765 \renewcommand{\footnotesize}{%
3766   \@setfontsize{\footnotesize}{8pt}{9pt}%
3767   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3768   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3769   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
3770   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3771
3772 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
3773 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
3774 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
3775 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
3776 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
3777 }{}
3778 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3779 \newcommand{\xepersian@wwwFormat}{\sfamily}
3780 \newcommand{\xepersian@www}{%
3781 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
3782 }
3783 \newcommand{\xepersian@edition}{ {
3784 \newcommand{\editionFormat}{\large\bfseries\texttt}
3785 \newcommand{\xepersian@editionLogo}{%
3786 \raisebox{-3pt}{%
3787 {\editionFormat\xepersian@edition}%
3788 }%
3789 }
3790 \newcommand{\indexFormat}{\large\bfseries}
3791 \newcommand{\xepersian@indexFrameTitle}[1]
3792 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
3793
3794 \newcommand{\indexEntryFormat}{\normalsize}
3795 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3796 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3797 \end{minipage}}
3798 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3799 \newcommand{\indexEntryPageTxt}{ {
3800 \newcommand{\indexEntryPageFormat}{\footnotesize}
3801 \newcommand{\xepersian@indexEntryPage}[1]{%
3802 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}%
3803 }
3804 \newcommand{\headDateTimeFormat}{ }
3805 \newcommand{\xepersian@headDateTime}{%
3806 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
3807 \currenttime %
3808 }
3809 \newcommand{\weatherFormat}{\bfseries}
3810 \newcommand{\xepersian@weather}[1]{%
3811 \noindent{\weatherFormat #1}%
3812 }

```



```

3813 \newcommand{\weatherTempFormat}{\small}
3814 \newcommand{\weatherUnits}{\textdegree{}C}
3815 \newcommand{\xepersian@section}[0]{ {
3816 \newcommand{\xepersian@headleft}{%
3817 {\small\bfseries \@custommagazinename} \date
3818 }
3819 \newcommand{\xepersian@headcenter}{%
3820 \xepersian@section{
3821 }
3822 \newcommand{\xepersian@headright}{%
3823 \small\xepersian@edition%
3824 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3825 }
3826
3827 \newcommand{\heading}[3]{%
3828 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3829 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3830 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3831 }
3832 \newcommand{\xepersian@footright}{%
3833 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
3834 }
3835 \newcommand{\xepersian@footcenter}{%
3836 }
3837 \newcommand{\xepersian@footleft}{%
3838 }
3839
3840 \newcommand{\foot}[3]{%
3841 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3842 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3843 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3844 }
3845 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3846 \newcommand{\xepersian@firstTitle}[1]{%
3847 {%
3848 \begin{spacing}{2.0}{%
3849 \noindent\ignorespaces
3850 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3851 {\nohyphens{\firstTitleFormat #1}}%
3852 {\firstTitleFormat #1}}%
3853 }%
3854 \end{spacing}%
3855 }%
3856 }
3857 \newcommand{\firstTextFormat}{%
3858 \newcommand{\xepersian@firstText}[1]{%
3859 \noindent\ignorespaces\firstTextFormat #1}%
3860 }
3861 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3862 \newcommand{\xepersian@secondTitle}[1]{%

```



```

3863 \begin{spacing}{1.5}{%
3864 \noindent\ignorespaces\flushright
3865 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3866 {\nohyphens{\secondTitleFormat #1}}%
3867 {\secondTitleFormat #1}}%
3868 }\end{spacing}%
3869 }
3870 \newcommand{\secondSubtitleFormat}{\large}
3871 \newcommand{\xepersian@secondSubtitle}[1]{%
3872 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
3873 }
3874 \newcommand{\secondTextFormat}{}
3875 \newcommand{\xepersian@secondText}[1]{%
3876 \begin{multicols}{2}
3877 {\noindent\ignorespaces\secondTextFormat #1}
3878 \end{multicols}
3879 }
3880 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3881 \newcommand{\xepersian@thirdTitle}[1]{%
3882 \begin{spacing}{1.5}{%
3883 \noindent\ignorespaces\flushright
3884 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3885 {\nohyphens{\thirdTitleFormat #1}}%
3886 {\thirdTitleFormat #1}}%
3887 }\end{spacing}%
3888 }
3889 \newcommand{\thirdSubtitleFormat}{\large}
3890 \newcommand{\xepersian@thirdSubtitle}[1]{%
3891 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
3892 \newcommand{\thirdTextFormat}{}
3893 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
3894 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3895 \newcommand{\xepersian@pictureCaption}[1]{%
3896 {\noindent\pictureCaptionFormat #1}}%
3897 }
3898 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3899 \newcommand{\xepersian@pages}[1]{%
3900 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3901 \newcommand{\innerTitleFormat}{\Huge}
3902 \newcommand{\xepersian@innerTitle}[1]{%
3903 \begin{flushright}{%
3904 \noindent
3905 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3906 {\nohyphens{\innerTitleFormat #1}}%
3907 {\innerTitleFormat #1}}%
3908 }%
3909 \\\%
3910 \end{flushright}%
3911 }
3912 \newcommand{\innerSubtitleFormat}{\large}

```



```

3913 \newcommand{\xepersian@innerSubtitle}[1]{\{\innerSubtitleFormat #1\}}
3914 \newcommand{\timestampTxt}{\}
3915 \newcommand{\timestampSeparator}{\|}
3916 \newcommand{\timestampFormat}{\small}
3917 \newcommand{\timestamp}[1]{\%
3918 {\timestampFormat%
3919 #1~\timestampTxt}\%
3920 }~\timestampSeparator}\%
3921 }
3922 \newcommand{\innerAuthorFormat}{\footnotesize}
3923 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3924 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3925 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3926 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3927 \newcommand{\editorialAuthorFormat}{\textsc}
3928 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3929 \newcommand{\xepersian@shortarticleTitle}[1]{\{\shortarticleTitleFormat #1\}}
3930 \newcommand{\shortarticleSubtitleFormat}{\Large}
3931 \newcommand{\xepersian@shortarticleSubtitle}[1]{\{\shortarticleSubtitleFormat #1\}}
3932 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3933 \newcommand{\xepersian@shortarticleItemTitle}[1]{\{\shortarticleItemTitleFormat #1\}}
3934 \renewcommand{\maketitle}{\begin{titlepage}%
3935 \let\footnotesize\small
3936 \let\footnoterule\relax
3937 \let\footnote\thanks
3938 \null\vfil
3939 \vskip 60\p@
3940 \begin{center}%
3941 {\LARGE \@title \par}%
3942 \vskip 1em%
3943 {\LARGE «\xepersian@edition» \par}%
3944 \vskip 3em%
3945 {\large
3946 \lineskip .75em%
3947 \begin{tabular}[t]{c}%
3948 \@author
3949 \end{tabular}\par}%
3950 \vskip 1.5em%
3951 {\large \@date \par}%
3952 \end{center}\par
3953 \@thanks
3954 \vfil\null
3955 \end{titlepage}%
3956 \setcounter{footnote}{0}%
3957 \global\let\thanks\relax
3958 \global\let\maketitle\relax
3959 \global\let\@thanks\@empty
3960 \global\let\@author\@empty
3961 \global\let\@date\@empty
3962 \global\let\@title\@empty

```



```

3963 \global\let\title\relax
3964 \global\let\author\relax
3965 \global\let\date\relax
3966 \global\let\and\relax
3967 }
3968 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3969 \newsavebox{\xepersian@fmbox}
3970 \newenvironment{xepersian@fmpage}[1]
3971 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3972 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3973 \newcommand{\image}[2]{
3974 \vspace{5pt}
3975 \setlength{\fboxsep}{1pt}
3976 \addtolength{\xepersian@imgsize}{\columnwidth}
3977 \addtolength{\xepersian@imgsize}{-1\columnsep}
3978 \ifxetex
3979 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3980 \addtolength{\xepersian@pageneed}{50pt}
3981 \ClassWarning{xepersian-magazine}{%
3982 Image #1 needs: \the\xepersian@pageneed \space %
3983 and there is left: \the\page@free\space%
3984 }
3985 \ifdim \xepersian@pageneed < \page@free
3986
3987 {\centering\fbox{%
3988 \includegraphics[width = \xepersian@imgsize,
3989 height = \xepersian@imgsize,
3990 keepaspectratio ]{#1}}}
3991 \xepersian@pictureCaption{#2}
3992
3993 \vspace{5pt}
3994 \else
3995 \ClassWarning{Image #1 needs more space!%
3996 It was not inserted!}
3997 \fi
3998 \fi
3999 }
4000 \textblockorigin{1cm}{1cm}
4001 \newdimen\xepersian@dx
4002 \newdimen\xepersian@dy
4003 \newcount\xepersian@cx
4004 \newcount\xepersian@cy
4005 \newcommand{\grid}[3][ ]{
4006 \xepersian@dx=\textwidth%
4007 \xepersian@dy=\textheight%
4008 \xepersian@cx=#3% %columns
4009 \xepersian@cy=#2% %rows
4010
4011 \count1=#3%
4012 \advance\count1 by 1

```



```

4013
4014 \count2=#2%
4015 \advance\count2 by 1
4016
4017 \divide\xepersian@dx by #3
4018 \divide\xepersian@dy by #2
4019
4020 \setlength{\TPHorizModule}{\xepersian@dx}
4021 \setlength{\TPVertModule}{\xepersian@dy}
4022
4023 \ifthenelse{\equal{#1}{show}}{
4024 \multido{\xepersian@nrow=0+1}{\count2}{
4025 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4026 \rule[0pt]{\textwidth}{.1pt}
4027 \end{textblock}
4028 }
4029
4030 \multido{\xepersian@ncol=0+1}{\count1}{
4031 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4032 \rule[0pt]{.1pt}{\textheight}
4033 \end{textblock}
4034 }
4035 }{}
4036 }
4037 \newcommand{\xepersianInit}{
4038 \setlength{\headheight}{14pt}
4039 \renewcommand{\headrulewidth}{0.4pt}
4040
4041 \pagestyle{fancy}
4042
4043 \setlength{\columnseprule}{\columnlines}
4044 \setlength{\fboxrule}{0.1 pt}
4045
4046 }
4047
4048 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4049 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4050 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4051 \newcommand{\logo}[0]{
4052 %% Heading %%
4053 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4054
4055 \vspace*{-3pt}
4056
4057 {\Large\bfseries \@customlogo}
4058 \hrulefill
4059 \hspace{10pt}\xepersian@headDateTime
4060
4061 }
4062 \newcommand{\minilogo}[0]{

```



```

4063 {\large\bfseries \@customminilogo}
4064
4065 \vspace*{5pt}
4066 }
4067 \newcommand{\mylogo}[1]{
4068 {\beginR#1\endR}
4069
4070 \noindent
4071 \xepersian@editionLogo\hspace{5pt}
4072 \hrulefill
4073 \hspace{5pt}\xepersian@headDateTime
4074 }
4075 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4076 \newenvironment{frontpage}[0]
4077 {
4078 \setboolean{xepersian@insidefrontpage}{true}
4079 \thispagestyle{empty}
4080 \logo
4081
4082 }%
4083 {
4084 \thispagestyle{empty}
4085 \clearpage
4086 \newpage
4087 \fancyhead{}
4088 \fancyfoot{}
4089 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4090 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4091 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4092 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4093 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4094 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4095 \renewcommand{\headrulewidth}{0.4pt}
4096 \setboolean{xepersian@insidefrontpage}{false}
4097
4098 }
4099 \newcommand{\firstarticle}[3]
4100 {
4101 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4102 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4103 \begin{textblock}{24}(22,5)
4104 }
4105 {
4106 \begin{textblock}{28}(22,5)
4107 }
4108 \vspace{-7pt}
4109 \xepersian@firstTitle{#1}
4110 \end{textblock}
4111 \begin{textblock}{29}(22,10)
4112 \vspace{5pt plus 2pt minus 2pt}

```



```

4113
4114 \xepersian@firstText{\timestamp{#3}~#2}
4115
4116 \end{textblock}
4117
4118 \begin{textblock}{50}(0,15)
4119 \rule{50\TPHorizModule}{.3pt}
4120 \end{textblock}
4121 }{%else
4122 \ClassError{xepersian-magazine}{%
4123 \protect\firstarticle\space in a wrong place.\MessageBreak
4124 \protect\firstarticle\space may only appear inside frontpage environment.
4125 }{%
4126 \protect\firstarticle\space may only appear inside frontpage environment.
4127 }%
4128 }
4129 }
4130 \newcommand{\secondarticle}[5]
4131 {
4132 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4133 \begin{textblock}{33}(2,16)
4134 \xepersian@pages{#4}
4135 \vspace{-5pt}
4136 \xepersian@secondTitle{#1}
4137
4138 \vspace*{5pt}
4139
4140 \xepersian@secondSubtitle{#2}
4141
4142 \vspace*{-7pt}
4143
4144 \xepersian@secondText{\timestamp{#5}~#3}
4145
4146 \end{textblock}
4147
4148 \begin{textblock}{33}(2,25)
4149 \vspace{5pt plus 2pt minus 2pt}
4150
4151 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4152 \end{textblock}
4153 }{%else
4154 \ClassError{xepersian-magazine}{%
4155 \protect\secondarticle\space in a wrong place.\MessageBreak
4156 \protect\secondarticle\space may only appear inside frontpage environment.
4157 }{%
4158 \protect\secondarticle\space may only appear inside frontpage environment.
4159 }%
4160 }
4161 }
4162 \newcommand{\thirdarticle}[6]

```



```

4163 {
4164 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4165 \begin{textblock}{32}(2,26)
4166 \xepersian@pages{#5}
4167 \vspace{-5pt}
4168 \setlength{\fboxsep}{1pt}
4169 \xepersian@thirdTitle{#1}
4170
4171 \vspace*{5pt}
4172
4173 \xepersian@thirdSubtitle{#2}
4174
4175 \vspace*{5pt}
4176
4177 {\noindent\ignorespaces %
4178 \ifthenelse{\equal{#4}{}}{}}
4179
4180 \xepersian@thirdText{\timestamp{#6}~#3}
4181
4182 }
4183
4184 \vspace*{5pt}
4185
4186 \end{textblock}
4187 }{%else
4188 \ClassError{xepersian-magazine}{%
4189 \protect\thirdarticle\space in a wrong place.\MessageBreak
4190 \protect\thirdarticle\space may only appear inside frontpage environment.
4191 }{%
4192 \protect\thirdarticle\space may only appear inside frontpage environment.
4193 }%
4194 }
4195 }
4196 \newcommand{\firstimage}[2]
4197 {
4198 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4199 \begin{textblock}{18}(2,5)
4200 \setlength{\fboxsep}{1pt}
4201 \ifxetex % only in PDF
4202 \noindent\fbbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4203 \fi
4204
4205 \xepersian@pictureCaption{#2}
4206 \end{textblock}%
4207 }
4208 {\ClassError{xepersian-magazine}{%
4209 \protect\firstimage\space in a wrong place.\MessageBreak
4210 \protect\firstimage\space may only appear inside frontpage environment.
4211 }{%
4212 \protect\firstimage\space may only appear inside frontpage environment.

```



```

4213 }}
4214 }%
4215 \newcommand{\weatheritem}[5]{%
4216 \ifthenelse{\boolean{xepersian@insideweather}}{%
4217 \begin{minipage}{45pt}
4218 \ifxetex
4219 \includegraphics[width=40pt]{#1}
4220 \fi
4221 \end{minipage}
4222 \begin{minipage}{50pt}
4223 \weatherTempFormat
4224 #2\\
4225 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\\
4226 #5
4227 \end{minipage}
4228 }{%else
4229 \ClassError{xepersian-magazine}{%
4230 \protect\weatheritem\space in a wrong place.\MessageBreak
4231 \protect\weatheritem\space may only appear inside weatherblock environment.
4232 }{%
4233 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4234 weatherblock environment may only appear inside frontpage environment.
4235 }%
4236 }
4237 }
4238 \newenvironment{weatherblock}[1]
4239 {
4240 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4241 \setboolean{xepersian@insideweather}{true}
4242 \begin{textblock}{32}(2,38)
4243 \vspace*{-15pt}
4244
4245 \xepersian@weather{\beginR#1\endR}
4246
4247 \vspace*{5pt}
4248
4249 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4250 \begin{minipage}{32\TPHorizModule}
4251 \hspace{5pt}
4252
4253 }{%
4254 \ClassError{xepersian-magazine}{%
4255 weatherblock in a wrong place.\MessageBreak
4256 weatherblock may only appear inside frontpage environment.
4257 }{%
4258 weatherblock may only appear inside frontpage environment.
4259 }
4260 }
4261 }%
4262 {

```



```

4263 \end{minipage}
4264 \end{xepersian@fmpage}
4265 \end{textblock}
4266 \setboolean{xepersian@insideweather}{false}
4267 }
4268 \newenvironment{authorblock}[0]
4269 {
4270 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4271 \begin{textblock}{15}(36,35)
4272 \setlength{\fboxsep}{5pt}
4273 \begin{xepersian@fmpage}{13\TPHorizModule}
4274 \begin{minipage}{13\TPHorizModule}
4275 \centering
4276 \minilogo
4277
4278 }{%else
4279 \ClassError{xepersian-magazine}{%
4280 authorblock in a wrong place.\MessageBreak
4281 authorblock may only appear inside frontpage environment.
4282 }{%
4283 authorblock may only appear inside frontpage environment.
4284 }
4285 }
4286 }
4287 {
4288 \end{minipage}
4289 \end{xepersian@fmpage}
4290 \end{textblock}
4291 }
4292 \newenvironment{indexblock}[1]
4293 {
4294 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4295 \setboolean{xepersian@insideindex}{true}%let's in
4296 \begin{textblock}{15}(36,16)
4297 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4298 \xepersian@indexFrameTitle{#1}
4299
4300 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4301 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4302 \begin{minipage}{\xepersian@indexwidth}
4303 \vspace*{10pt}
4304 }{%else
4305 \ClassError{xepersian-magazine}{%
4306 indexblock in a wrong place.\MessageBreak
4307 indexblock may only appear inside frontpage environment.
4308 }{%
4309 indexblock may only appear inside frontpage environment.
4310 }
4311 }
4312 }%

```



```

4313 {
4314 \end{minipage}
4315 \end{xepersian@fmpage}
4316 \end{textblock}
4317 \setboolean{xepersian@insideindex}{false}%let's out
4318 }
4319 \newcommand{\indexitem}[2]
4320 {
4321 \ifthenelse{\boolean{xepersian@insideindex}}{
4322 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4323
4324 \vspace{0.5cm}
4325
4326 \noindent\ignorespaces\indexEntrySeparator{
4327 }{%else
4328 \ClassError{xepersian-magazine}{%
4329 \protect\indexitem\space in a wrong place.\MessageBreak
4330 \protect\indexitem\space may only appear inside indexblock environment.
4331 }{%
4332 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4333 indexblock environment may only appear inside frontpage environment.
4334 }%
4335 }
4336 }
4337 \newcommand{\xepersian@inexpandedtitle}[1]{
4338 \begin{minipage}{.95\textwidth}
4339 \begin{center}
4340 \noindent\Large\textbf{\beginR#1\endR}
4341 \end{center}
4342 \end{minipage}
4343 }
4344 \newcommand{\expandedtitle}[2]{
4345 \end{multicols}
4346
4347 \begin{center}
4348 \setlength{\fboxsep}{5pt}
4349 \setlength{\shadowsize}{2pt}
4350 \ifthenelse{\equal{#1}{shadowbox}}{%
4351 \shadowbox{
4352 \xepersian@inexpandedtitle{#2}%
4353 }%
4354 }{
4355 \ifthenelse{\equal{#1}{doublebox}}{%
4356 \doublebox{
4357 \xepersian@inexpandedtitle{#2}%
4358 }%
4359 }{
4360 \ifthenelse{\equal{#1}{ovalbox}}{%
4361 \ovalbox{
4362 \xepersian@inexpandedtitle{#2}%

```



```

4363 }%
4364 {}
4365 \ifthenelse{\equal{#1}{0valbox}}{%
4366 \0valbox{%
4367 \xepersian@inexpandedtitle{#2}%
4368 }%
4369 {}
4370 \ifthenelse{\equal{#1}{lines}}{
4371 \hrule
4372 \vspace*{8pt}
4373 \begin{center}
4374 \noindent\Large\textbf{#2}
4375 \end{center}
4376 \vspace*{8pt}
4377 \hrule
4378 }{}
4379 \end{center}
4380
4381 \begin{multicols}{\xepersian@ncolumns}
4382 \ifnum \xepersian@ncolumns > \minraggedcols
4383 \raggedFormat
4384 \fi
4385 }
4386 \newcommand{\xepersian@incolumntitle}[2]{
4387 \begin{minipage}{#1}
4388 \begin{center}
4389 \noindent\normalsize\textbf{#2}
4390 \end{center}
4391 \end{minipage}
4392 }
4393
4394 \newcommand{\columnntitle}[2]{
4395 \vspace*{5pt}
4396 \begin{center}
4397 \setlength{\fboxsep}{5pt}
4398 \setlength{\shadowsize}{2pt}
4399 \addtolength{\xepersian@coltitsize}{\columnwidth}
4400 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4401 \addtolength{\xepersian@coltitsize}{-5pt}
4402 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4403 \ifthenelse{\equal{#1}{shadowbox}}{%
4404 \shadowbox{%
4405 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4406 }%
4407 }{}
4408 \ifthenelse{\equal{#1}{doublebox}}{%
4409 \doublebox{%
4410 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4411 }%
4412 }{}

```



```

4413 \ifthenelse{\equal{#1}{ovalbox}}{%
4414 \ovalbox{%
4415 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4416 }%
4417 }{}
4418 \ifthenelse{\equal{#1}{Ovalbox}}{%
4419 \Ovalbox{%
4420 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4421 }%
4422 }{}
4423 \ifthenelse{\equal{#1}{lines}}{
4424 \hrule
4425 \vspace*{5pt}
4426 \begin{center}
4427 \noindent\normalsize\textbf{#2}
4428 \end{center}
4429 \vspace*{5pt}
4430 \hrule
4431 }{}
4432 \end{center}
4433 }
4434 \renewcommand{\date}{%
4435 \longdate{\today}%
4436 }
4437 \newcommand{\authorandplace}[2]{%
4438 \rightline{%
4439 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4440 }%
4441 \par %
4442 }
4443 \newcommand{\newsection}[1]{
4444 \renewcommand{\xepersian@section}{#1}
4445 }
4446 \newenvironment{article}[5]
4447 {
4448 \xepersian@say{Adding a new piece of article}
4449 \renewcommand{\xepersian@ncolumns}{#1}
4450 \begin{multicols}{#1}[
4451 \xepersian@pages{#4}
4452 \xepersian@innerTitle{#2}%
4453 \xepersian@innerSubtitle{#3}%
4454 ] [4cm]%
4455 \label{#5}
4456 \ifnum #1 > \minraggedcols
4457 \raggedFormat
4458 \fi
4459 }
4460 {\sim\innerTextFinalMark{}
4461 \end{multicols}
4462 }

```



```

4463 \newcommand{\articlesep}{%
4464 \setlength{\xepersian@pageneed}{16000pt}
4465 \setlength{\xepersian@pageleft}{\pagegoal}
4466 \addtolength{\xepersian@pageleft}{-\pagetotal}
4467
4468 \xepersian@say{How much left \the\xepersian@pageleft}
4469
4470 \ifdim \xepersian@pageneed < \xepersian@pageleft
4471 \xepersian@say{Not enough space}
4472 \else
4473 \xepersian@say{Adding sep line between articles}
4474 \vspace*{10pt plus 10pt minus 5pt}
4475 \hrule
4476 \vspace*{10pt plus 5pt minus 5pt}
4477 \fi
4478
4479 }
4480 \newcommand{\xepersian@editorialTit}[2]{
4481 \setlength{\arrayrulewidth}{.1pt}
4482 \begin{center}
4483 \begin{tabular}{c}
4484 \noindent
4485 \xepersian@editorialTitle{#1}
4486 \vspace{2pt plus 1pt minus 1pt}
4487 \\
4488 \hline
4489 \vspace{2pt plus 1pt minus 1pt}
4490 \\
4491 \editorialAuthorFormat{#2}
4492 \end{tabular}
4493 \end{center}
4494 }
4495 \newenvironment{editorial}[4]
4496 {
4497 \xepersian@say{Adding a new editorial}
4498 \begin{multicols}{#1}[%
4499 \xepersian@editorialTit{#2}{#3}%
4500 ] [4cm]
4501 \label{#4}
4502 \ifnum #1 > \minraggedcols
4503 \raggedFormat
4504 \fi
4505 }
4506 {
4507 \end{multicols}
4508 }
4509 \newcommand{\xepersian@shortarticleTit}[2]{
4510 \begin{center}
4511 \vbox{%
4512 \noindent

```



```

4513 \xepersian@shortarticleTitle{#1}
4514 \vspace{4pt plus 2pt minus 2pt}
4515 \hrule
4516 \vspace{4pt plus 2pt minus 2pt}
4517 \xepersian@shortarticleSubtitle{#2}
4518 }
4519 \end{center}
4520 }
4521 \newenvironment{shortarticle}[4]
4522 {
4523 \xepersian@say{Adding a short article block}
4524 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4525 \label{#4}
4526 \par %
4527 \ifnum #1 > \minraggedcols
4528 \raggedFormat
4529 \fi
4530 }
4531 {
4532 \end{multicols}
4533 }
4534 \newcommand{\shortarticleitem}[2]{
4535 \goodbreak
4536 \vspace{5pt plus 3pt minus 3pt}
4537 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4538 \vspace{5pt plus 3pt minus 3pt}
4539 {\noindent #2}\\
4540 }

```

## 7.57 xepersian-mathsdigitspec.sty

```

4541 \NeedsTeXFormat{LaTeX2e}
4542 \ProvidesPackage{xepersian-mathsdigitspec}
4543 [2014/11/21 v1.1.0 Unicode Persian maths digits in XeLaTeX]
4544 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4545 \let\newfam\new@mathgroup
4546 \def\select@group#1#2#3#4{%
4547 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4548 {%
4549 \ifmmode
4550 \ifnum\c@mv\math@version\endcsname<\@cclvi
4551 \begingroup
4552 \escapechar\m@ne
4553 \getanddefine@fonts{\c@mv\math@version\endcsname}#3%
4554 \globaldefs\@ne \math@fonts
4555 \endgroup
4556 \init@restore@version
4557 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4558 {\number\c@mv\math@version\endcsname}}%
4559 \global\advance\c@mv\math@version\endcsname\@ne

```



```

4560 \else
4561 \let#1\relax
4562 \@latex@error{Too many math alphabets used in
4563 version \math@version}%
4564 \@eha
4565 \fi
4566 \else \expandafter\non@alpherr\fi
4567 #1{#4}%
4568 }%
4569 }
4570 \def\document@select@group#1#2#3#4{%
4571 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4572 {%
4573 \ifmmode
4574 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4575 \begingroup
4576 \escapechar\m@ne
4577 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4578 \globaldefs\@ne \math@fonts
4579 \endgroup
4580 \expandafter\extract@alph@from@version
4581 \csname mv@\math@version\endcsname\expandafter\endcsname
4582 \expandafter{\number\csname
4583 c@mv@\math@version\endcsname}%
4584 #1%
4585 \global\advance\csname c@mv@\math@version\endcsname\@ne
4586 \else
4587 \let#1\relax
4588 \@latex@error{Too many math alphabets used
4589 in version \math@version}%
4590 \@eha
4591 \fi
4592 \else \expandafter\non@alpherr\fi
4593 #1{#4}%
4594 }%
4595 }
4596 \ExplSyntaxOn
4597 \bool_set_false:N \g__fontspec_math_bool
4598 \tl_map_inline:nn
4599 {
4600 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4601 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4602 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4603 \version@list\version@elt\alpha@list\alpha@elt
4604 \restore@mathversion\init@restore@version\dorestore@version\process@table
4605 \new@mathversion\DeclareSymbolFont\group@list\group@elt
4606 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4607 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4608 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4609 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter

```



```

4610 \DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4611 \set@mathdelimiter\DeclareMathRadical\mathchar@type
4612 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4613 }
4614 {
4615 \tl_remove_once:Nn \@preamblecmds {\do#1}
4616 }
4617 \ExplSyntaxOff
4618 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4619 \newcommand\SetMathCode[4]{%
4620 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4621 \newcommand\SetMathCharDef[4]{%
4622 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4623 \ExplSyntaxOn
4624 \cs_new_eq:NN \orig_mathbf:n \mathbf
4625 \cs_new_eq:NN \orig_mathit:n \mathit
4626 \cs_new_eq:NN \orig_mathrm:n \mathrm
4627 \cs_new_eq:NN \orig_mathsf:n \mathsf
4628 \cs_new_eq:NN \orig_mathtt:n \mathtt
4629 \NewDocumentCommand \new@mathbf { m } {
4630 \orig_mathbf:n {
4631 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4632 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4633 }
4634 #1
4635 }
4636 }
4637 \NewDocumentCommand \new@mathit { m } {
4638 \orig_mathit:n {
4639 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4640 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4641 }
4642 #1
4643 }
4644 }
4645 \NewDocumentCommand \new@mathrm { m } {
4646 \orig_mathrm:n {
4647 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4648 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4649 }
4650 #1
4651 }
4652 }
4653 \NewDocumentCommand \new@mathsf { m } {
4654 \orig_mathsf:n {
4655 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4656 \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4657 }
4658 #1
4659 }

```



```

4660 }
4661 \NewDocumentCommand \new@mathhtt{ m } {
4662   \orig_mathhtt:n {
4663     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4664       \mathcode ##1 = \numexpr "100 * \symnew@mathhtt@font@digits + ##1 \relax
4665     }
4666     #1
4667   }
4668 }
4669 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }{%
4670   \let\glb@currsz\relax
4671   \fontspec_set_family:Nnn \xepersian@digits@family {Mapping=parsidigits,#1,#3}{#2}
4672   \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4673   \DeclareSymbolFont{OPERATORS} {EU1}{\xepersian@digits@family} {m}{n}
4674   \DeclareSymbolFont{new@mathbf@font@digits}{EU1}{\xepersian@digits@family}{bx}{n}
4675   \DeclareSymbolFont{new@mathit@font@digits}{EU1}{\xepersian@digits@family}{m}{it}
4676   \DeclareSymbolFont{new@mathrm@font@digits}{EU1}{\xepersian@digits@family}{m}{n}
4677   \def\xpersianmathsdigits{%
4678     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4679     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4680     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4681     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4682     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4683     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4684     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4685     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4686     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4687     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4688     \SetMathCharDef{\%}{\mathbin}{OPERATORS}{` }
4689     \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4690     \cs_set_eq:NN \mathbf \new@mathbf
4691     \cs_set_eq:NN \mathit \new@mathit
4692     \cs_set_eq:NN \mathrm \new@mathrm}
4693 }
4694 \DeclareDocumentCommand \setmathsfdigitfont { 0{ } m 0{ } }
4695 {
4696   \fontspec_set_family:Nnn \g_fontspec_mathsf_tl {Mapping=parsidigits,#1,#3}{#2}
4697   \DeclareSymbolFont{new@mathsf@font@digits}{EU1}{\g_fontspec_mathsf_tl}{m}{n}
4698   \def\xpersianmathsfdigits{\cs_set_eq:NN \mathsf \new@mathsf}
4699 }
4700 \DeclareDocumentCommand \setmathttdigitfont { 0{ } m 0{ } }
4701 {
4702   \fontspec_set_family:Nnn \g_fontspec_mathtt_tl {Mapping=parsidigits,#1,#3}{#2}
4703   \DeclareSymbolFont{new@mathtt@font@digits}{EU1}{\g_fontspec_mathtt_tl}{m}{n}
4704   \def\xpersianmathttdigits{\cs_set_eq:NN \mathtt \new@mathtt}
4705 }
4706 \ExplSyntaxOff
4707 \ifx\newcommand\undefined\else
4708   \newcommand{\ZifferAn}{}

```



```

4709 \fi
4710 \mathchardef\ziffer@DotOri="013A
4711 {\ZifferAn
4712 \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4713 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4714 \def\ziffer@check#1#2{%
4715   \ifx\n1\endgroup#1\else
4716     \ifx\n2\endgroup#1\else
4717       \ifx\n3\endgroup#1\else
4718         \ifx\n4\endgroup#1\else
4719           \ifx\n5\endgroup#1\else
4720             \ifx\n6\endgroup#1\else
4721               \ifx\n7\endgroup#1\else
4722                 \ifx\n8\endgroup#1\else
4723                   \ifx\n9\endgroup#1\else
4724                     \ifx\n0\endgroup#1\else
4725                       \ifx\n\overline\endgroup#1\else
4726                         \endgroup#2%
4727                     \fi
4728                 \fi
4729             \fi
4730         \fi
4731     \fi
4732 \fi
4733 \fi
4734 \fi
4735 \fi
4736 \fi
4737 \fi}
4738 \mathcode`.=="8000\relax
4739 \def\ZifferLeer{\ifx\decimalseparator\undefined.\else\decimalseparator\fi}
4740 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4741 \def\PersianMathsDigits{\def\SetMathsDigits{%
4742 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4743 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4744 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4745 \def\AutoMathsDigits{\def\SetMathsDigits{%
4746 \ifx\persianmathsdigits\undefined\else\if@Latin\else\persianmathsdigits\fi\fi%
4747 \ifx\persianmathsfdigits\undefined\else\if@Latin\else\persianmathsfdigits\fi\fi%
4748 \ifx\persianmathttdigits\undefined\else\if@Latin\else\persianmathttdigits\fi\fi}}
4749 \AutoMathsDigits
4750 \everymath\expandafter{\the\everymath\SetMathsDigits}
4751 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

## 7.58 xepersian-multiplechoice.sty

```

4752 \NeedsTeXFormat{LaTeX2e}
4753 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4754 Multiple Choice Questionnaire class for Persian in XeLaTeX]
4755 \RequirePackage{pifont}

```



```

4756 \RequirePackage{fullpage}
4757 \RequirePackage{ifthen}
4758 \RequirePackage{calc}
4759 \RequirePackage{verbatim}
4760 \RequirePackage{tabularx}
4761 \def\@headerfont{\bfseries}
4762 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4763 \def\@X{X}
4764 \newcommand\X[1]{\gdef\@X{#1}}
4765 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4766 \newcolumnntype{D}{>{\pbs\centering}X}
4767 \newcolumnntype{Q}{>{\@headerfont}X}
4768
4769 \renewcommand\tabularxcolumn[1]{m{#1}}
4770 \newcommand\makeform@nocorrection{%
4771   \addtocontents{frm}{\protect\end{tabularx}}
4772   \@starttoc{frm}}
4773 \newcommand\makeform@correction{%
4774   \addtocontents{frm}{\protect\end{tabularx}}}
4775 \newcommand\makemask@nocorrection{%
4776   \addtocontents{msk}{\protect\end{tabularx}}
4777   \@starttoc{msk}}
4778 \newcommand\makemask@correction{%
4779   \addtocontents{msk}{\protect\end{tabularx}}}
4780 \newlength\questionspace
4781 \setlength\questionspace{0pt}
4782 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4783 \def\@answerstitlefont{\bfseries}
4784 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4785 \def\@answernumberfont{\bfseries}
4786 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4787 \newcounter{question}\stepcounter{question}
4788 \newcounter{@choice}
4789 \def\@initorcheck{%
4790   \xdef\@choices{\the@choice}%
4791   \setcounter{@choice}{1}%
4792   \gdef\@arraydesc{|Q|}%
4793   \gdef\@headerline{%
4794     \whiledo{\not{\value{@choice}>\@choices}}{
4795       \xdef\@arraydesc{\@arraydesc D}
4796       \def\@appendheader{\g@addto@macro\@headerline}
4797       \@appendheader{\protect\@headerfont}
4798       \edef\@the@choice{\alph{@choice}}
4799       \expandafter\@appendheader\@the@choice
4800       \stepcounter{@choice}}%
4801   \addtocontents{frm}{%
4802     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4803     \protect\hline
4804     \@headerline\protect\\protect\hline\protect\hline}%
4805   \addtocontents{msk}{%

```



```

4806 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4807 \protect\hline
4808 \@headerline\protect\\protect\hline\protect\hline}%
4809 \gdef\@initorcheck{%
4810 \ifthenelse{\value{@choice} = \@choices}{\}%
4811 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4812 (\the@choice\space instead of \@choices)}{\%
4813 Questions must all have the same number of proposed answers.%
4814 \MessageBreak
4815 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}}
4816 \newenvironment{question}[1]{%
4817 %% \begin{question}
4818 \begin{minipage}{\textwidth}
4819 \xdef\@formanswerline{\@questionheader}%
4820 \xdef\@maskanswerline{\@questionheader}%
4821 \fbox{\parbox[c]{\linewidth}{#1}}
4822 \vspace\questionspace\par
4823 {\@answerstitlefont\@answerstitle}
4824 \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}{\%
4825 %% \end{question}
4826 \end{list}
4827 \@initorcheck%
4828 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
4829 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
4830 \end{minipage}
4831 \stepcounter{question}}
4832 \def\@truesymbol{\ding{52}~}
4833 \def\@falsesymbol{\ding{56}~}
4834 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4835 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4836 \def\@true@nocorrection{\item}
4837 \def\@false@nocorrection{\item}
4838 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
4839 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4840 \newcommand\true{%
4841 \xdef\@formanswerline{\@formanswerline&}%
4842 \xdef\@maskanswerline{\@maskanswerline&\@X}%
4843 \@true}%
4844 \newcommand>false{%
4845 \xdef\@formanswerline{\@formanswerline&}%
4846 \xdef\@maskanswerline{\@maskanswerline&}%
4847 \@false}%
4848 \def\@correctionstyle{\itshape}
4849 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4850 \newenvironment{correction}{\@correctionstyle}{\%
4851 \def\@questionheader{\thequestion}
4852 \answerstitle{:}
4853 \DeclareOption{nocorrection}{\%
4854 \let\@true\@true@nocorrection
4855 \let\@false\@false@nocorrection

```



```

4856 \let\correction\comment
4857 \let\endcorrection\endcomment
4858 \def\makeform{\makeform@nocorrection}
4859 \def\makemask{\makemask@nocorrection}}
4860 \DeclareOption{correction}{%
4861 \let\@true\@true@correction
4862 \let\@false\@false@correction
4863 \let\correction\@correction
4864 \let\endcorrection\end@correction
4865 \def\makeform{\makeform@correction}
4866 \def\makemask{\makemask@correction}}
4867 \ExecuteOptions{nocorrection}
4868 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4869 \def\@questiontitlefont{\bfseries}
4870 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4871 \newlength\questiontitlespace
4872 \setlength\questiontitlespace{5pt}
4873 \newlength\questionsepspace
4874 \setlength\questionsepspace{20pt}
4875 \gdef\@questionsepspace{0pt}
4876 \let\old@question\question
4877 \let\old@endquestion\endquestion
4878 \renewenvironment{question}[1]{%
4879 %% \begin{question}
4880 \vspace\@questionsepspace
4881 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4882 \nopagebreak\vspace\questiontitlespace\par
4883 \old@question{#1}}{%
4884 %% \end{question}
4885 \old@endquestion
4886 \gdef\@questionsepspace{\questionsepspace}}
4887 \questiontitle{ \thequestion:}
4888 \ProcessOptions

```

## 7.59 xepersian-persiancal.sty

```

4889 \NeedsTeXFormat{LaTeX2e}
4890 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4891
4892 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4893 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4894 \newcount\XePersian@latini \newcount\XePersian@persiani
4895 \newcount\XePersian@latinii \newcount\XePersian@persianii
4896 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4897 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4898 \newcount\XePersian@latinv \newcount\XePersian@persianv
4899 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4900 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4901 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4902 \newcount\XePersian@latinix \newcount\XePersian@persianix

```



```

4903 \newcount\XePersian@latinx      \newcount\XePersian@persianx
4904 \newcount\XePersian@latinxi     \newcount\XePersian@persianxi
4905 \newcount\XePersian@latinxii    \newcount\XePersian@persianxii
4906                               \newcount\XePersian@persianxiii
4907
4908 \newcount\XePersian@temp
4909 \newcount\XePersian@temptwo
4910 \newcount\XePersian@tempthree
4911 \newcount\XePersian@yModHundred
4912 \newcount\XePersian@thirtytwo
4913 \newcount\XePersian@dn
4914 \newcount\XePersian@sn
4915 \newcount\XePersian@mminusone
4916
4917
4918 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4919 \XePersian@temp=\XePersian@y
4920 \divide\XePersian@temp by 100\relax
4921 \multiply\XePersian@temp by 100\relax
4922 \XePersian@yModHundred=\XePersian@y
4923 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4924 \ifodd\XePersian@yModHundred
4925   \XePersian@leapfalse
4926 \else
4927   \XePersian@temp=\XePersian@yModHundred
4928   \divide\XePersian@temp by 2\relax
4929   \ifodd\XePersian@temp\XePersian@leapfalse
4930   \else
4931     \ifnum\XePersian@yModHundred=0%
4932       \XePersian@temp=\XePersian@y
4933       \divide\XePersian@temp by 400\relax
4934       \multiply\XePersian@temp by 400\relax
4935       \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4936       \else\XePersian@leaptrue
4937       \fi
4938   \fi
4939 \fi
4940 \XePersian@latini=31\relax
4941 \ifXePersian@leap
4942   \XePersian@latinii = 29\relax
4943 \else
4944   \XePersian@latinii = 28\relax
4945 \fi
4946 \XePersian@latiniii = 31\relax
4947 \XePersian@latiniv = 30\relax
4948 \XePersian@latinv = 31\relax
4949 \XePersian@latinvi = 30\relax
4950 \XePersian@latinvii = 31\relax
4951 \XePersian@latinviii = 31\relax
4952 \XePersian@latinix = 30\relax

```



```

4953 \XePersian@latinx = 31\relax
4954 \XePersian@latinxi = 30\relax
4955 \XePersian@latinxii = 31\relax
4956 \XePersian@thirtytwo=32\relax
4957 \XePersian@temp=\XePersian@y
4958 \advance\XePersian@temp by -17\relax
4959 \XePersian@temptwo=\XePersian@temp
4960 \divide\XePersian@temptwo by 33\relax
4961 \multiply\XePersian@temptwo by 33\relax
4962 \advance\XePersian@temp by -\XePersian@temptwo
4963 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
4964 \else
4965   \XePersian@temptwo=\XePersian@temp
4966   \divide\XePersian@temptwo by 4\relax
4967   \multiply\XePersian@temptwo by 4\relax
4968   \advance\XePersian@temp by -\XePersian@temptwo
4969   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
4970 \fi
4971 \XePersian@tempthree=\XePersian@y % Number of Leap years
4972 \advance\XePersian@tempthree by -1
4973 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4974 \divide\XePersian@temp by 4\relax
4975 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4976 \divide\XePersian@temptwo by 100\relax
4977 \advance\XePersian@temp by -\XePersian@temptwo
4978 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4979 \divide\XePersian@temptwo by 400\relax
4980 \advance\XePersian@temp by \XePersian@temptwo
4981 \advance\XePersian@tempthree by -611 % Number of Kabise years
4982 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4983 \divide\XePersian@temptwo by 33\relax
4984 \multiply\XePersian@temptwo by 8\relax
4985 \advance\XePersian@temp by -\XePersian@temptwo
4986 \XePersian@temptwo=\XePersian@tempthree %
4987 \divide\XePersian@temptwo by 33\relax
4988 \multiply\XePersian@temptwo by 33\relax
4989 \advance\XePersian@tempthree by -\XePersian@temptwo
4990 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T),
4991 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4992 \advance\XePersian@temp by -\XePersian@tempthree
4993 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4994 \XePersian@persiani=31
4995 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4996 \XePersian@persianii = 30\relax
4997 \ifXePersian@kabiseh
4998   \XePersian@persianiii = 30\relax
4999 \else
5000   \XePersian@persianiii = 29\relax
5001 \fi
5002 \XePersian@persianiv = 31\relax

```



```

5003 \XePersian@persianv = 31\relax
5004 \XePersian@persianvi = 31\relax
5005 \XePersian@persianvii = 31\relax
5006 \XePersian@persianviii= 31\relax
5007 \XePersian@persianix = 31\relax
5008 \XePersian@persianx = 30\relax
5009 \XePersian@persianxi = 30\relax
5010 \XePersian@persianxii = 30\relax
5011 \XePersian@persianxiii= 30\relax
5012 \XePersian@dn= 0\relax
5013 \XePersian@sn= 0\relax
5014 \XePersian@mminusone=\XePersian@m
5015 \advance\XePersian@mminusone by -1\relax
5016 \XePersian@i=0\relax
5017 \ifnum\XePersian@i < \XePersian@mminusone
5018 \loop
5019 \advance \XePersian@i by 1\relax
5020 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5021 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5022 \fi
5023 \advance \XePersian@dn by \XePersian@d
5024 \XePersian@i=1\relax
5025 \XePersian@sn = \XePersian@persiani
5026 \ifnum \XePersian@sn<\XePersian@dn
5027 \loop
5028 \advance \XePersian@i by 1\relax
5029 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5030 \ifnum \XePersian@sn<\XePersian@dn \repeat
5031 \fi
5032 \ifnum \XePersian@i < 4
5033 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5034 \advance \XePersian@y by -622\relax
5035 \else
5036 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5037 \advance \XePersian@y by -621\relax
5038 \fi
5039 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5040 \endcsname
5041 \ifnum\XePersian@i = 1
5042 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@pe
5043 \else
5044 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5045 \fi
5046 \newcommand*{\persiantoday}{%
5047 \number\XePersian@d\space%
5048 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5049 }
5050 \let\persianyear\XePersian@y
5051 \let\persianmonth\XePersian@m
5052 \let\persianday\XePersian@d

```



```

5053 \def\XePersian@persian@month#1{\ifcase#1\or or\
5054 or\
5055 or\    or\
5056 or\
5057 or\    or\
5058 or\    or\
5059 or\    or\
5060 {fi\

```



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## 8 Change History

v13.1	General: Added implementation of the package. . . . .	0
v13.2	General: Replaced <code>\reflect</code> with <code>\bidi@reflect@box</code> . . . . .	122
v13.5	General: Fixed the extra space after Persian decimal separator. . . .	152
v13.6	General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character. . . . .	94

