



The XePersian *Package*

Documentation for version 16.1

to my Master, Ferdowsi The Great

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

<https://github.com/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 $\LaTeX_{2\epsilon}$, using Xe \TeX engine

Documentation for version 16.1

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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
*
* v16.1, 2015/04/30
*
* 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

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_EX but lion does not symbolizes XePersian. **Simorgh**¹ (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.

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



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 escape (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 `ī` is grouped under `l`) for sorting Persian alphabets.

2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which `ī` 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 بد نمایی</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_EX or L^AT_EX Equivalent Persian Command

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

Continued on next page



Command in T_EX or L^AT_EX 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>	\پشکن
<code>\bullet</code>	\گلوله
<code>@cc1v</code>	\دوپن @پنج
<code>@cc1vi</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>\dots</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>	\ببند ورودی
<code>\closeout</code>	\ببند خروجی

Continued on next page



Command in T _E X or L ^A T _E 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>\dblftnlocatcode</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_EX or L^AT_EX Equivalent Persian Command

<code>\DeclareOption</code>	<code>\اعلان گزینہ</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>\درجہ</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>\ابعاد</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>

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX 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>\پرشکن</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>\شمایل 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>

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T _E X or L ^A T _E 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>	\گرتام
<code>\ignorespaces</code>	\فاصله خالی رانندیده بگیر
<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>	\ورود پرونده 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 متن
<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_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

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Command in T_EX or L^AT_EX 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

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\muskip</code>	<code>\ميوفاصله</code>
<code>\muskipdef</code>	<code>\تعريف ميوفاصله</code>
<code>\@namedef</code>	<code>\@ترنام</code>
<code>\@nameuse</code>	<code>\@کاربرد نام</code>
<code>\@ne</code>	<code>\@یک</code>
<code>\name</code>	<code>\نام</code>
<code>\natural</code>	<code>\طبيعی</code>
<code>\narrow</code>	<code>\باریک</code>
<code>\narrower</code>	<code>\باریکتر</code>
<code>\NeedsTeXFormat</code>	<code>\شکلبندي 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>\ابولی 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>\اگر جدید</code>
<code>\newinsert</code>	<code>\درج جدید</code>
<code>\newlabel</code>	<code>\برچسب جدید</code>
<code>\newlength</code>	<code>\تعريف بعد جدید</code>
<code>\newline</code>	<code>\سطر جدید</code>
<code>\newlinechar</code>	<code>\نویسه سطر جدید</code>
<code>\newmuskip</code>	<code>\ميوفاصله جدید</code>
<code>\newpage</code>	<code>\صفحه جدید</code>
<code>\newread</code>	<code>\بخوان جدید</code>
<code>\newsavebox</code>	<code>\تعريف کادر جدید</code>
<code>\newskip</code>	<code>\فاصله جدید</code>
<code>\newtheorem</code>	<code>\قضيه 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>

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Command in T_EX or L^AT_EX 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 درآمد</code>
<code>\onecolumn</code>	<code>\یک ستون</code>
<code>\onlynotes</code>	<code>\تنهایادداشت ها</code>

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Command in T_EX or L^AT_EX Equivalent Persian Command

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

Continued on next page



Command in T _E X or L ^A T _E 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>\فاصله‌بالای‌لیست‌بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال‌گزینه‌به‌کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال‌گزینه‌به‌پکیج</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>\الگوی‌قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه‌پس‌نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت‌پیش‌نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه‌پیش‌نمایش</code>
<code>\predisplaysize</code>	<code>\اندازه‌پیش‌نمایش</code>
<code>\pretolerance</code>	<code>\پیش‌حد‌بدنمایی</code>
<code>\prevdepth</code>	<code>\عمق‌قبلی</code>
<code>\prevgraf</code>	<code>\بند‌قبلی</code>
<code>\printindex</code>	<code>\نمایه‌دراینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش‌گزینه‌ها</code>
<code>\protect</code>	<code>\تامین</code>
<code>\providecommand</code>	<code>\تهیه‌فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده‌سازی‌طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده‌سازی‌پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده‌سازی‌سبک</code>
<code>\pushtabs</code>	<code>\ثابت‌الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کوکواد</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی‌خروج‌صفحه</code>
<code>\radical</code>	<code>\رادیکال</code>
<code>\raggedbottom</code>	<code>\پایین‌بی‌تنظیم</code>
<code>\raggedleft</code>	<code>\تنظیم‌ازراست</code>
<code>\raggedright</code>	<code>\تنظیم‌ازچپ</code>
<code>\raise</code>	<code>\انتقال‌ببالا</code>
<code>\raisebox</code>	<code>\بالا‌بر</code>
<code>\raisetag</code>	<code>\ترفیغ‌اتیکت</code>
<code>\rangle</code>	<code>\زاویه‌ر</code>
<code>\rceil</code>	<code>\سقف‌ر</code>
<code>\read</code>	<code>\بخوان</code>

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

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Command in T_EX or L^AT_EX 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_EX or L^AT_EX 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>	\ضريب فاصله
<code>\spaceskip</code>	\فاصله کلمات
<code>\spadesuit</code>	\پیک
<code>\span</code>	\ادغام
<code>\special</code>	\ويژه
<code>\splitmaxdepth</code>	\حد اکثر عمق ستون
<code>\splittopskip</code>	\فاصله بالای ستون
<code>\star</code>	\ستاره
<code>\stepcounter</code>	\گام بشمارنده
<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 مس
<code>\supereject</code>	\منتهاى 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_EX or L^AT_EX Equivalent Persian Command

\@tempdimb	@بعدقت ب
\@tempdimc	@بعدقت پ
\@tempskipa	@فاقت آ
\@tempskipb	@فاقت ب
\@tempswafalse	@سواقت آنادرست
\@tempswatru	@سواقت آدرست
\@temptokena	@جزقت آ
\@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	\تیکت
\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 ترمتنی
\textless	\کمنرمتنی
\textbf	\متن سیاه
\textcircled	\مدورمتنی
\textcolor	\رنگ متن
\textcompwordmark	\نشان کلمه مرکب متن
\textfloatsep	\فاصله متن وشناور

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindented</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>	\سبک متنی
<code>\textsuperscript</code>	\بالا نویسی متنی
<code>\texttrademark</code>	\علامت تجاری متنی
<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>	\خط‌ها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خط‌ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancypage</code>	\این صفحه تجملی
<code>\thispagestyle</code>	\سبک 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 بد نمایی
<code>\top</code>	\بالا

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Command in T_EX or L^AT_EX Equivalent Persian Command

<code>\topfigrule</code>	<code>\خط بالای 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>\جی کادرا</code>
<code>\unhcopy</code>	<code>\جی کپی ا</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>\جی کادرو</code>
<code>\unvcopy</code>	<code>\جی 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_EX or L^AT_EX Equivalent Persian Command

<code>\usecounter</code>	\باشمارشگر
<code>\usefont</code>	\گزینه قلم
<code>\usepackage</code>	\سبک لازم
<code>\@vobeyspaces</code>	\@فضاهای فعال
<code>\@void</code>	\@تهی
<code>\vadjust</code>	\تنظیم و
<code>\valign</code>	\ردیف و
<code>\value</code>	\محتوای شمارنده
<code>\vbadness</code>	\بدنمایی و
<code>\vbox</code>	\کادرو
<code>\vcenter</code>	\کادرو وسط
<code>\verb</code>	\همانطور
<code>\vfil</code>	\پرو
<code>\vfill</code>	\پررو
<code>\vfilneg</code>	\رفع پرو
<code>\vfuzz</code>	\پرزعمودی
<code>\visible</code>	\نمایان
<code>\vline</code>	\خط عمود
<code>\voffset</code>	\حاشیه و
<code>\voidb@x</code>	\ک@درتهی
<code>\vpageref</code>	\ارجاع صفحه ع
<code>\vrbboxsep</code>	\فاصله وگرد
<code>\vref</code>	\ارجاع ع
<code>\vrule</code>	\خط و
<code>\vsize</code>	\طول صفحه
<code>\vskip</code>	\فاصله و
<code>\vspace</code>	\فضای و
<code>\vsplit</code>	\شکست و
<code>\vss</code>	\هر دو و
<code>\vtop</code>	\کادرگود
<code>\wd</code>	\عرض
<code>\whiledo</code>	\مادام بکن
<code>\widehat</code>	\کلاه پهن
<code>\widetilde</code>	\مد پهن
<code>\widowpenalty</code>	\جریمه ته بند
<code>\width</code>	\پهنا
<code>\wlog</code>	\درکارنامه
<code>\write</code>	\بنویس
<code>\@xobeysp</code>	\@فضای لاتین
<code>\@xxxii</code>	\سی@دو

Continued on next page



Command in T _E X or L ^A T _E X	Equivalent Persian Command
<code>\xdef</code>	<code>\ترگع</code>
<code>\xleaders</code>	<code>\نشانگرگسترشی</code>
<code>\xspaceskip</code>	<code>\فاصله اضافی کلمات</code>
<code>\year</code>	<code>\سال</code>
<code>\z@</code>	<code>\فر</code>
<code>\z@skip</code>	<code>@\فرفاصله</code>

Table 2: The Equivalent XePersian Commands

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

Continued on next page



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

Table 3: The Equivalent \LaTeX Environments

Environment in \LaTeX	Equivalent Persian Environment
<code>abstract</code>	چکیده
<code>appendix</code>	پیوست
<code>array</code>	آرایه
<code>center</code>	وسط چین
<code>description</code>	توضیح
<code>displaymath</code>	ریاضی نمایشی
<code>document</code>	نوشتار
<code>enumerate</code>	شمارش
<code>figure</code>	شکل

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Environment in \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 چ
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	چند ستونی 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	جا گذاری
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

Continued on next page



Environment in XePersian	Equivalent Persian Environment
LTRitems	دسته بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته بندی 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 \LaTeX position arguments

Position argument in \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

Continued on next page



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	تحویل 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	اسکرپیت ریاضی
Style	MathScriptScript	اسکرپیت ریاضی

2.5 A Sample Input T_EX 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_EX 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_EX 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_EX 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

```
\setiranicfont [Options] {\font name}  
\iranicfamily \textiranic{<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 `LTRitems` 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 \LaTeX offers. These counters are `harfi`, `adadi`, and `tartibi`. In addition, the following commands are also provided:

`\harfnumerical{⟨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.
- ☞ `\harfnumerical` 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`

```
\DefaultMathsDigits \PersianMathsDigits \AutoMathsDigits
```

☞ 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_EX 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_EX'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_EX's default font and digits in math mode.

4 New Conditionals

4.1 Shell escape (or `write18`) conditional

```
\ifwritexviii  
  <material when Shell escape (or write18) is enabled>  
\else  
  <material when Shell escape (or write18) is not enabled>  
\fi
```

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_EX 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_EX Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert FarsiT_EX files to XePersian or unicode. This program can be found in doc folder with the name ftxe-0.12.py. To convert your FarsiT_EX files to XePersian, put ftxe-0.12.py in the same directory that your FarsiT_EX 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_EX 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 create² a magazine just load the class as usual³, with

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

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

From this point it is possible to include packages and renew class commands described in [subsection 6.1.g](#).

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

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

³You 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 *<title>* 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{<image>}{<day-name>}{<max>} {<min>}{<short-des>}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy), *<day-name>* like Monday, *<max>* and *<min>* are the highest and lowest day temperatures and *<short-des>* 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 [subsection 6.1.5](#), the `editorial` environment [subsection 6.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsection 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}{<num-of-columns>}{<title>}{<subtitle>} {<pagesof>}{<label>}  
...<text>...  
\end{article}
```

The first argument *<num-of-columns>* sets the number of columns the article will be divided whereas *<label>* 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}
```

```
\columntitle \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

```
\columntitle{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 `\langle section name \rangle`. 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 \LaTeX commands, using `\renewcommand` to change their behaviour.



6.1.10 Front Page

```
\customlogo \customminilogo \custommagazinename
```

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>}  
\custommagazinename{<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 [subsection 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 \TeX 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 lay out.

6.2 Typesetting Multiple-choice Questions

6.2.1 Introduction

xepersian-multiplechoice is a package for making multiple choices questionnaires under \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 \LaTeX 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

<code>\makeform</code> <code>\makemask</code>

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 \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 \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     \@makefntext{%
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     \@makefntext{%
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     \@makefntext{%
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     \ifRTL@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     \@makefntext{%
87       \rule\z@\footnotesep\ignorespaces\ifRTL@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\footnotesepp \splitmaxdepth \dp\strutbox
99     \floatingpenalty\@MM \hsize\columnwidth
100    \@parboxrestore \parindent\normalparindent \sloppy
101    \protected@edef\@currentlabel{%
102      \csname p@footnote\endcsname\@thefnmark}%
103    \@makefnmark{%
104      \rule\z@\footnotesepp\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\footnotesepp \splitmaxdepth \dp\strutbox
118     \floatingpenalty\@MM \hsize\columnwidth
119     \@parboxrestore \parindent\normalparindent \sloppy
120     \protected@edef\@currentlabel{%
121       \csname p@footnote\endcsname\@thefnmark}%
122     \@makefnmark{%
123       \rule\z@\footnotesepp\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 biduntfesidenote-xepersian.def

```

188 \ProvidesFile{biduntfesidenote-xepersian.def}[2014/12/28 v0.2 xepersian changes to biduntfesidenote]
189 \setLTRcitationfont{\@biduntfesidenote@marginfont\latinfont}
190 \long\def\@LTRbiduntfesidenote@sidenote[#1][#2]#3{%
191   \let\cite\@biduntfesidenote@infootnote@cite% use the in-sidenote \cite command
192   \gdef\@biduntfesidenote@citations{}% clear out any old citations
193   \ifthenelse{\NOT\isempty{#2}}{%
194     \gsetlength{\@biduntfesidenote@sidenote@vertical@offset}{#2}%
195   }{%
196     \gsetlength{\@biduntfesidenote@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[\@biduntfesidenote@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[\@biduntfesidenote@sidenote@vertical@offset]{\latinfont#3}
210   }%
211   \@biduntfesidenote@print@citations% print any citations
212   \let\cite\@biduntfesidenote@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\@RTLbiduntfesidenote@sidenote[#1][#2]#3{%
218   \let\cite\@biduntfesidenote@infootnote@cite% use the in-sidenote \cite command
219   \gdef\@biduntfesidenote@citations{}% clear out any old citations
220   \ifthenelse{\NOT\isempty{#2}}{%
221     \gsetlength{\@biduntfesidenote@sidenote@vertical@offset}{#2}%
222   }{%
223     \gsetlength{\@biduntfesidenote@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]{\ifRTL\@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 LaTeX]
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{ }{crr}
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{ }{fancy page}
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{ @ }{@mOne}
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{   }{narrow}
851 \eqcommand{   }{narrower}
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{      }{@outeqtrue}
913 \eqcommand{      }{@outeqfalse}
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{@    }{@tempwatrue}
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{ }{thinlines}
1186 \eqcommand{ }{thinspace}
1187 \eqcommand{ }{thisfancy page}
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}

```



```

1353 \eqcommand{          }{xepersiandate}
1354 \eqcommand{  }{XeTeX}

```

7.21 enumerate-xepersian.def

```

1355 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1356 \def\@enloop@{%
1357   \ifx entemp@\          \def\@tempa{\@enLabel\harfi } \else
1358   \ifx entemp@\          \def\@tempa{\@enLabel\adadi } \else
1359   \ifx entemp@\          \def\@tempa{\@enLabel\tartibi } \else
1360   \ifx A\@entemp         \def\@tempa{\@enLabel\Alph } \else
1361   \ifx a\@entemp         \def\@tempa{\@enLabel\alph } \else
1362   \ifx i\@entemp         \def\@tempa{\@enLabel\roman } \else
1363   \ifx I\@entemp         \def\@tempa{\@enLabel\Roman } \else
1364   \ifx 1\@entemp         \def\@tempa{\@enLabel\arabic} \else
1365   \ifx \@sptoken\@entemp \let\@tempa\@enSpace      \else
1366   \ifx \bgroup\@entemp   \let\@tempa\@enGroup      \else
1367   \ifx \@enum@\@entemp   \let\@tempa\@gobble       \else
1368                           \let\@tempa\@enOther
1369                           \@enhook
1370   \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1371   \@tempa}

```

7.22 latex-localise-environments-xepersian.def

```

1372 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation o
1373 \eqenvironment{  }{abstract}
1374 \eqenvironment{  }{appendix}
1375 \eqenvironment{  }{array}
1376 \eqenvironment{  }{center}
1377 \eqenvironment{  }{description}
1378 \eqenvironment{  }{displaymath}
1379 \eqenvironment{  }{document}
1380 \eqenvironment{  }{enumerate}
1381 \eqenvironment{  }{figure}
1382 \eqenvironment{ *}{figure*}
1383 \eqenvironment{  }{filecontents}
1384 \eqenvironment{ *}{filecontents*}
1385 \eqenvironment{  }{flushleft}
1386 \eqenvironment{  }{flushright}
1387 \eqenvironment{  }{itemize}
1388 \eqenvironment{  }{letter}
1389 \eqenvironment{  }{list}
1390 \eqenvironment{  }{longtable}
1391 \eqenvironment{  }{lrbox}
1392 \eqenvironment{  }{math}
1393 \eqenvironment{  }{matrix}
1394 \eqenvironment{  }{minipage}
1395 \eqenvironment{  }{multline}
1396 \eqenvironment{  }{note}
1397 \eqenvironment{  }{overlay}

```



```

1398 \eqenvironment{ }{picture}
1399 \eqenvironment{ }{quotation}
1400 \eqenvironment{ }{quote}
1401 \eqenvironment{ }{slide}
1402 \eqenvironment{ }{sloppypar}
1403 \eqenvironment{ }{split}
1404 \eqenvironment{ }{subarray}
1405 \eqenvironment{ }{tabbing}
1406 \eqenvironment{ }{table}
1407 \eqenvironment{ *}{table*}
1408 \eqenvironment{ }{tabular}
1409 \eqenvironment{ *}{tabular*}
1410 \eqenvironment{ }{thebibliography}
1411 \eqenvironment{ }{theindex}
1412 \eqenvironment{ }{titlepage}
1413 \eqenvironment{ }{trivlist}
1414 \eqenvironment{ }{verse}

```

7.23 xepersian-localise-environments-xepersian.def

```

1415 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisati
1416 \eqenvironment{ }{latin}
1417 \eqenvironment{ }{LTR}
1418 \eqenvironment{ }{LTRitems}
1419 \eqenvironment{ }{modernpoem}
1420 \eqenvironment{ *}{modernpoem*}
1421 \eqenvironment{ }{persian}
1422 \eqenvironment{ }{RTL}
1423 \eqenvironment{ }{RTLitems}
1424 \eqenvironment{ }{traditionalpoem}
1425 \eqenvironment{ *}{traditionalpoem*}

```

7.24 extarticle-xepersian.def

```

1426 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1427 \renewcommand\thepart { \@tartibi\c@part}
1428 \renewcommand\appendix{\par
1429 \setcounter{section}{0}%
1430 \setcounter{subsection}{0}%
1431 \gdef\thesection{\@harfi\c@section}}

```

7.25 extbook-xepersian.def

```

1432 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1433 \renewcommand\frontmatter{%
1434 \cleardoublepage
1435 \@mainmatterfalse
1436 \pagenumbering{harfi}}
1437 \renewcommand \thepart { \@tartibi\c@part}
1438 \renewcommand\appendix{\par
1439 \setcounter{chapter}{0}%
1440 \setcounter{section}{0}%

```



```

1441 \gdef\@chapapp{\appendixname}%
1442 \gdef\thechapter{\@harfi\c@chapter}
1443 }%end appendix

```

7.26 extrafootnotefeatures-xepersian.def

```

1444 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafoot
1445 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\latinfont\fi}
1446 \renewcommand{\LTRfoottextfont}{\footnotesize\latinfont}
1447 \renewcommand{\RTLfoottextfont}{\footnotesize\persianfont}

```

7.27 extreport-xepersian.def

```

1448 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1449 \renewcommand\thepart      {\@tartibi\c@part}
1450 \renewcommand\appendix{\par
1451 \setcounter{chapter}{0}%
1452 \setcounter{section}{0}%
1453 \gdef\@chapapp{\appendixname}%
1454 \gdef\thechapter{\@harfi\c@chapter}}

```

7.28 flowfram-xepersian.def

```

1455 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1456 \def\@outputpage{%
1457 \begingroup
1458 \let\protect\noexpand
1459 \@resetactivechars
1460 \global\let\@if@newlist\if@newlist
1461 \global\@newlistfalse\@parboxrestore
1462 \shipout\vbox{\set@typeset@protect
1463 \aftergroup
1464 \endgroup
1465 \aftergroup
1466 \set@typeset@protect
1467 \reset@font\normalsize\normalsfcodes
1468 \let\label@gobble
1469 \let\index@gobble
1470 \let\glossary@gobble
1471 \baselineskip\z@skip
1472 \lineskip\z@skip
1473 \lineskiplimit\z@
1474 \vskip\topmargin\moveright\@themargin
1475 \vbox{%
1476 \vskip\headheight
1477 \vskip\headsep
1478 \box\@outputbox
1479 }}%
1480 \global\let\if@newlist\@if@newlist
1481 \stepcounter{page}%
1482 \setcounter{displayedframe}{0}%
1483 \let\firstmark\botmark}

```



7.29 footnote-xepersian.def

```
1484 \ProvidesFile{footnote-xepersian.def}[2013/04/26 v0.4 footnote macros for xepersian package]
1485
1486
1487
1488 \long\def\@footnotetext#1{\insert\footins{%
1489   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1490   \reset@font\footnotesize
1491   \interlinepenalty\interfootnotelinepenalty
1492   \splittopskip\footnotesep
1493   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1494   \hsize\columnwidth \@parboxrestore
1495   \protected@edef\@currentlabel{%
1496     \csname p@footnote\endcsname\@thefnmark
1497   }%
1498   \color@begingroup
1499     \makefntext{%
1500       \rule{z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutbox}%
1501     \color@endgroup}}}%
1502
1503
1504
1505
1506
1507 \long\def\@RTLfootnotetext#1{\insert\footins{%
1508   \@RTLtrue%
1509   \reset@font\footnotesize
1510   \interlinepenalty\interfootnotelinepenalty
1511   \splittopskip\footnotesep
1512   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
1513   \hsize\columnwidth \@parboxrestore
1514   \protected@edef\@currentlabel{%
1515     \csname p@footnote\endcsname\@thefnmark
1516   }%
1517   \color@begingroup
1518     \makefntext{%
1519       \rule{z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1520     \color@endgroup}}}%
1521
1522
1523
1524
1525
1526 \long\def\@LTRfootnotetext#1{\insert\footins{%
1527   \@RTLfalse%
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 \makefnfoot{%
1538 \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1539 \color@endgroup}}%
1540
1541 \footdir@temp\footdir@ORG@xepersian@footnotetext\@footnotetext{\bidi@footdir@footnote}%
1542 \footdir@temp\footdir@ORG@xepersian@RTLfootnotetext\@RTLfootnotetext{R}%
1543 \footdir@temp\footdir@ORG@xepersian@LTRfootnotetext\@LTRfootnotetext{L}%
1544
1545
1546
1547 \long\def\@mpfootnotetext#1{%
1548 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
1549 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
1550 \unvbox\@mpfootins
1551 \reset@font\footnotesize
1552 \hsize\columnwidth
1553 \@parboxrestore
1554 \protected@edef\@currentlabel
1555 {\csname p@mpfootnote\endcsname\@thefnmark}%
1556 \color@begingroup
1557 \makefnfoot{%
1558 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\@finalstrut\strutbox}%
1559 \color@endgroup}}
1560
1561
1562
1563
1564
1565 \long\def\@mpRTLfootnotetext#1{%
1566 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule
1567 \global\setbox\@mpfootins\vbox{\@RTLtrue%
1568 \unvbox\@mpfootins
1569 \reset@font\footnotesize
1570 \hsize\columnwidth
1571 \@parboxrestore
1572 \protected@edef\@currentlabel
1573 {\csname p@mpfootnote\endcsname\@thefnmark}%
1574 \color@begingroup
1575 \makefnfoot{%
1576 \rule\z@\footnotesep\ignorespaces\persianfont #1\@finalstrut\strutbox}%
1577 \color@endgroup}}
1578
1579
1580 \long\def\@mpLTRfootnotetext#1{%
1581 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule

```



```

1582 \global\setbox\@mpfootins\vbox{\@RTLfalse%
1583 \unvbox\@mpfootins
1584 \reset@font\footnotesize
1585 \hsize\columnwidth
1586 \@parboxrestore
1587 \protected@edef\@currentlabel
1588 {\csname p@mpfootnote\endcsname\@thefnmark}%
1589 \color@begingroup
1590 \@makefnote{\%
1591 \rule\z@\footnotesep\ignorespaces\latinfont #1\@finalstrut\strutbox}%
1592 \color@endgroup}}

```

7.30 framed-xepersian.def

```

1593 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package for
1594 \renewenvironment{titled-frame}[1]{%
1595 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1596 \TitleBarFrame{\textbf{#1}}}%
1597 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1598 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1599 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1600 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (\if@RTL
1601 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1602 \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1603 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1604 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1605 % could interfere with the width measurement.
1606 {\endMakeFramed}

```

7.31 glossaries-xepersian.def

```

1607 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries pac
1608 \glsaddprotectedpagefmt{@harfi}
1609 \glsaddprotectedpagefmt{@tartibi}
1610 \glsaddprotectedpagefmt{@adadi}

```

7.32 hyperref-xepersian.def

```

1611 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1612 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1613 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1614 \def\itemautorefname{\if@RTL else\ item\fi}%
1615 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1616 \def\tableautorefname{\if@RTL else\ Table\fi}%
1617 \def\partautorefname{\if@RTL else\ Part\fi}%
1618 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1619 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1620 \def\sectionautorefname{\if@RTL else\ section\fi}%
1621 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1622 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1623 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1624 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%

```



```

1625 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1626 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1627 \def\pageautorefname{\if@RTL else\ page\fi}%
1628 \AtBeginDocument{%
1629 \let\HyOrg@appendix\appendix
1630 \def\appendix{%
1631 \ltx@ifundefined{chapter}%
1632 {\gdef\theHsection{\Alph{section}}}%
1633 {\gdef\theHchapter{\Alph{chapter}}}%
1634 \xdef\Hy@chapapp{\Hy@appendixstring}%
1635 \HyOrg@appendix
1636 }
1637 }
1638 \pdfstringdefDisableCommands{%
1639 \let\lr\@firstofone
1640 \let\rl\@firstofone
1641 \def\XePersian{XePersian}
1642 }
1643 \ltx@ifundefined{@resets@pp}{%
1644 }{%
1645 \let\HyOrg@resets@pp\@resets@pp
1646 \def\@resets@pp{%
1647 \ltx@ifundefined{chapter}{%
1648 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1649 }{%
1650 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1651 }%
1652 \xdef\Hy@chapapp{\Hy@appendixstring}%
1653 \HyOrg@resets@pp
1654 }%
1655 }

```

7.33 imspoc-xepersian.def

```

1656 \ProvidesFile{imspoc-xepersian.def}[2013/04/26 v0.3 implementation of imspoc class for xepersi
1657 \newenvironment{thebibliography}[1]{%
1658 \@bibtitlestyle
1659 \normalfont\bibliofont\labelsep .5em\relax
1660 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
1661 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1662 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
1663 \leftmargin\labelwidth \advance\leftmargin\labelsep
1664 \usecounter{enumiv}}%
1665 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
1666 \sfcode`\.=\@m
1667 }{%
1668 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
1669 \endlist
1670 }
1671 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi

```



```

1672 \columnseprule\z@ \columnsep 35\p@
1673 \@indextitlestyle
1674 \thispagestyle{plain}%
1675 \let\item\@idxitem
1676 \parindent\z@ \parskip\z@\@plus.3\p@\relax
1677 \if@RTL\raggedleft\else\raggedright\fi
1678 \hyphenpenalty\@M
1679 \footnotesize}
1680 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
1681 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
1682 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
1683 \renewcommand \thepart {\@tartibi\c@part}
1684 \def\appendix{\par\c@section\z@ \c@subsection\z@
1685 \let\sectionname\appendixname
1686 \def\thesection{\charfi\c@section}}
1687 \def\right@footnoterule{%
1688 \hbox to \columnwidth
1689 {\beginR \vbox{\kern-.4\p@
1690 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
1691 \def\left@footnoterule{\kern-.4\p@
1692 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
1693 \def\@makefnmark{%
1694 \leavevmode
1695 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
1696 }
1697
1698
1699
1700 \long\def\@footnotetext#1{%
1701 \insert\footins{%
1702 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
1703 \normalfont\footnotesize
1704 \interlinepenalty\interfootnotelinepenalty
1705 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1706 \floatingpenalty\@MM \hsize\columnwidth
1707 \@parboxrestore \parindent\normalparindent \sloppy
1708 \protected@edef\@currentlabel{%
1709 \csname p@footnote\endcsname\@thefnmark}%
1710 \@makefnmark}
1711 \rule\z@\footnotesep\ignorespaces\if@RTL@footnote#1\else\latinfont#1\fi\unskip\strut\par}}
1712
1713
1714
1715
1716
1717 \long\def\@RTLfootnotetext#1{%
1718 \insert\footins{%
1719 \@RTLtrue%
1720 \normalfont\footnotesize
1721 \interlinepenalty\interfootnotelinepenalty

```



```

1722 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1723 \floatingpenalty\@MM \hsize\columnwidth
1724 \@parboxrestore \parindent\normalparindent \sloppy
1725 \protected@edef\@currentlabel{%
1726   \csname p@footnote\endcsname\@thefnmark}%
1727 \@makefntext{%
1728   \rule\z@\footnotesep\ignorespaces\persianfont #1\unskip\strut\par}}
1729
1730
1731
1732
1733
1734
1735
1736 \long\def\@LTRfootnotetext#1{%
1737   \insert\footins{%
1738     \@RTLfalse%
1739     \normalfont\footnotesize
1740     \interlinepenalty\interfootnotelinepenalty
1741     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
1742     \floatingpenalty\@MM \hsize\columnwidth
1743     \@parboxrestore \parindent\normalparindent \sloppy
1744     \protected@edef\@currentlabel{%
1745       \csname p@footnote\endcsname\@thefnmark}%
1746     \@makefntext{%
1747       \rule\z@\footnotesep\ignorespaces\latinfont #1\unskip\strut\par}}
1748
1749 \footdir@temp\footdir@ORG@xepersian@imsproc@footnotetext\@footnotetext{\bidi@footdir@footnote}
1750 \footdir@temp\footdir@ORG@xepersian@imsproc@RTLfootnotetext\@RTLfootnotetext{R}%
1751 \footdir@temp\footdir@ORG@xepersian@imsproc@LTRfootnotetext\@LTRfootnotetext{L}%
1752
1753 \def\part{\@startsection{part}{0}%
1754   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
1755   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
1756 \def\@tocline#1#2#3#4#5#6#7{\relax
1757   \ifnum #1>\c@tocdepth % then omit
1758   \else
1759     \par \addpenalty\@secpenalty\addvspace{#2}%
1760     \begingroup \hyphenpenalty\@M
1761     \@ifempty{#4}{%
1762       \@tempdima\csname r@tocindent\@number#1\endcsname\relax
1763     }{%
1764       \@tempdima#4\relax
1765     }%
1766     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
1767     \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
1768     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
1769     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
1770     \nobreak
1771     \endgroup

```



```

1772 \fi}
1773 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
1774 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
1775 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
1776 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
1777 \def\maketitle{\par
1778 \@topnum\z@ % this prevents figures from falling at the top of page 1
1779 \@setcopyright
1780 \thispagestyle{firstpage}% this sets first page specifications
1781 \uppercase\nonmath\shorttitle
1782 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
1783 \else \andify\shortauthors
1784 \fi
1785 \@maketitle@hook
1786 \begingroup
1787 \@maketitle
1788 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
1789 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
1790 \edef\@tempa{%
1791 \@nx\markboth{\the\toks4
1792 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
1793 \@tempa
1794 \endgroup
1795 \c@footnote\z@
1796 \cleartopmattertags
1797 }

```

7.34 kashida-xepersian.def

```

1798 \ProvidesFile{kashida-xepersian.def}[2013/11/15 v0.3 implementation of Kashida for xepersian pac
1799 \chardef\xepersian@zjw="200D % zero-width joiner
1800
1801 \chardef\xepersian@D=10 % dual-joiner class
1802 \chardef\xepersian@L=11 % lam
1803 \chardef\xepersian@R=12 % right-joiner
1804 \chardef\xepersian@A=13 % alef
1805 \chardef\xepersian@V=256 % vowel or other combining mark (to be ignored)
1806 \def\xepersian@kashida{\xepersian@zjw\nobreak%
1807 \leaders\hrule height \XeTeXglyphbounds2 \the\XeTeXcharglyph"0640 depth \XeTeXglyphbounds4 \
1808
1809 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1810 \expandafter\dosetclass\charlist,\end}
1811 \def\dosetclass#1,#2\end{%
1812 \def\test{#1}\def\charlist{#2}%
1813 \ifx\test\empty\let\next\finishsetclass
1814 \else \XeTeXcharclass "\test = \theclass
1815 \let\next\dosetclass \fi
1816 \expandafter\next\charlist,,\end}
1817 \def\finishsetclass#1,,\end{}
1818

```



```

1819 \setclass \xepersian@A {0622,0623,0625,0627}
1820 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1821 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1822 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1823 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1824 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1825 \setclass \xepersian@L {0644}
1826 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1827
1828 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1829 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1830 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1831 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1832 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1833 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1834 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1835 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1836
1837 \newcommand{\KashidaOn}{\XeTeXinterchartokenstate=1}
1838 \newcommand{\KashidaOff}{\XeTeXinterchartokenstate=0}
1839 \KashidaOn

```

7.35 listings-xepersian.def

```

1840 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1841 \def\lstlistingname{\if@RTL else\ Listing\fi}
1842 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

7.36 loadingorder-xepersian.def

```

1843 \ProvidesFile{loadingorder-xepersian.def}[2012/01/01 v0.3 making sure that xepersian is the last]
1844 \bidi@isloaded{algorithmic}
1845 \bidi@isloaded{algorithm}
1846 \bidi@isloaded{backref}
1847 \bidi@isloaded{enumerate}
1848 \bidi@isloaded{tocloft}
1849 \bidi@isloaded{url}
1850 \AtBeginDocument{
1851   \if@bidi@algorithmicloaded@else
1852     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}
1853     \fi%
1854   \if@bidi@algorithmloaded@else
1855     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}
1856     \fi%
1857   \if@bidi@backrefloaded@else
1858     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}
1859     \fi%
1860   \if@bidi@enumerateloaded@else
1861     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}
1862     \fi%
1863   \if@bidi@tocloftloaded@else

```



```

1864 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian
1865 \fi%
1866 \if@bidi@urlloaded@else
1867 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian pack
1868 \fi%
1869 }

```

7.37 localise-xepersian.def

```

1870 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1871 \newcommand{\makezwnjletter}{\catcode`=11\relax}
1872 \makezwnjletter
1873 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1874 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1875 \@ifpackageloaded{keyval}{%
1876 \newcommand*\keyval@eq@alias@key[4][KV]{%
1877 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1878 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1879 }{\@ifpackageloaded{xkeyval}{%
1880 \newcommand*\keyval@eq@alias@key[4][KV]{%
1881 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1882 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1883 }{}}
1884 \input{latex-localise-commands-xepersian.def}
1885 \input{xepersian-localise-commands-xepersian.def}
1886 \input{latex-localise-environments-xepersian.def}
1887 \input{xepersian-localise-environments-xepersian.def}
1888 \input{latex-localise-messages-xepersian.def}
1889 \input{latex-localise-misc-xepersian.def}
1890 \input{packages-localise-xepersian.def}
1891 \aliasfontfeature{ExternalLocation}{ }
1892 \aliasfontfeature{ExternalLocation}{ }
1893 \aliasfontfeature{Renderer}{ }
1894 \aliasfontfeature{BoldFont}{ }
1895 \aliasfontfeature{Language}{ }
1896 \aliasfontfeature{Script}{ }
1897 \aliasfontfeature{UprightFont}{ }
1898 \aliasfontfeature{ItalicFont}{ }
1899 \aliasfontfeature{BoldItalicFont}{ }
1900 \aliasfontfeature{SlantedFont}{ }
1901 \aliasfontfeature{BoldSlantedFont}{ }
1902 \aliasfontfeature{SmallCapsFont}{ }
1903 \aliasfontfeature{UprightFeatures}{ }
1904 \aliasfontfeature{BoldFeatures}{ }
1905 \aliasfontfeature{ItalicFeatures}{ }
1906 \aliasfontfeature{BoldItalicFeatures}{ }
1907 \aliasfontfeature{SlantedFeatures}{ }
1908 \aliasfontfeature{BoldSlantedFeatures}{ }
1909 \aliasfontfeature{SmallCapsFeatures}{ }
1910 \aliasfontfeature{SizeFeatures}{ }

```




```

1911 \aliasfontfeature{Scale}{ }
1912 \aliasfontfeature{WordSpace}{ }
1913 \aliasfontfeature{PunctuationSpace}{ }
1914 \aliasfontfeature{FontAdjustment}{ }
1915 \aliasfontfeature{LetterSpace}{ }
1916 \aliasfontfeature{HyphenChar}{ }
1917 \aliasfontfeature{Color}{ }
1918 \aliasfontfeature{Opacity}{ }
1919 \aliasfontfeature{Mapping}{ }
1920 \aliasfontfeature{Weight}{ }
1921 \aliasfontfeature{Width}{ }
1922 \aliasfontfeature{OpticalSize}{ }
1923 \aliasfontfeature{FakeSlant}{ }
1924 \aliasfontfeature{FakeStretch}{ }
1925 \aliasfontfeature{FakeBold}{ }
1926 \aliasfontfeature{AutoFakeSlant}{ }
1927 \aliasfontfeature{AutoFakeBold}{ }
1928 \aliasfontfeature{Ligatures}{ }
1929 \aliasfontfeature{Alternate}{ }
1930 \aliasfontfeature{Variant}{ }
1931 \aliasfontfeature{Variant}{ }
1932 \aliasfontfeature{CharacterVariant}{ }
1933 \aliasfontfeature{Style}{ }
1934 \aliasfontfeature{Annotation}{ }
1935 \aliasfontfeature{RawFeature}{ }
1936 \aliasfontfeature{CharacterWidth}{ }
1937 \aliasfontfeature{Numbers}{ }
1938 \aliasfontfeature{Contextuals}{ }
1939 \aliasfontfeature{Diacritics}{ }
1940 \aliasfontfeature{Letters}{ }
1941 \aliasfontfeature{Kerning}{ }
1942 \aliasfontfeature{VerticalPosition}{ }
1943 \aliasfontfeature{Fractions}{ }
1944 \aliasfontfeatureoption{Language}{Default}{ }
1945 \aliasfontfeatureoption{Language}{Parsi}{ }
1946 \aliasfontfeatureoption{Script}{Parsi}{ }
1947 \aliasfontfeatureoption{Script}{Latin}{ }
1948 \aliasfontfeatureoption{Style}{MathScript}{ }
1949 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

7.38 memoir-xepersian.def

```

1950 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1951 \renewcommand{\@memfront}{%
1952   \@smemfront\pagenumbering{harfi}}
1953 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1954 \renewcommand*{\thebook}{\@tartibi\c@book}
1955 \renewcommand*{\thepart}{\@tartibi\c@part}
1956 \renewcommand{\appendix}{\par
1957   \setcounter{chapter}{0}%

```



```

1958 \setcounter{section}{0}%
1959 \gdef\@chapapp{\appendixname}%
1960 \gdef\thechapter{\@harfi\c@chapter}%
1961 \anappendixtrue}

```

7.39 latex-localise-messages-xepersian.def

```

1962 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

7.40 minitoc-xepersian.def

```

1963 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1964 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1965 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1966 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1967 \def\mtctitle{\if@RTL else\ Contents\fi}%
1968 \def\mlftitle{\if@RTL else\ Figures\fi}%
1969 \def\mltttitle{\if@RTL else\ Tables\fi}%
1970 \def\stctitle{\if@RTL else\ Contents\fi}%
1971 \def\slftitle{\if@RTL else\ Figures\fi}%
1972 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

7.41 latex-localise-misc-xepersian.def

```

1973 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisa
1974 %}1# \ \
1975 \@ \ \ @ \ \
1976 \1# \
1977 \1# @\
1978 \1# @\
1979 {@ \ \
1980 %}2#1# @\ \
1981 %1# \ \ @\ \ \ \ \
1982 \2# \ \ @\ \
1983 {{2#1# \}}
1984 undefined\ \ \
1985
1986 %{ \ \ \ \ \1#} \ \} \1# \ \
1987 \ \ { \ \ \ \
1988 \ \ \
1989
1990
1991 \ \ \ \%} \#1
1992 \1#} \ \ \% \
1993 \ \ \ \
1994 }%
1995 \
1996 \ \ \ \
1997 }
1998 \= \ \
1999
2000

```



```

2001 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
2002 \def \@xfloat #1[#2]{%
2003   \nodocument
2004   \def \@capytype {#1}%
2005   \def \@fps {#2}%
2006   \@onelevel@sanitize \@fps
2007   \def \reserved@b {!}%
2008   \ifx \reserved@b \@fps
2009     \fpsadddefault
2010   \else
2011     \ifx \@fps \@empty
2012       \fpsadddefault
2013     \fi
2014   \fi
2015   \ifhmode
2016     \bsphack
2017     \floatpenalty -\@Mii
2018   \else
2019     \floatpenalty-\@Miii
2020   \fi
2021 \ifinner
2022   \parmoderr\@floatpenalty\z@
2023 \else
2024   \@next\@currbox\@freelist
2025   {%
2026     \tempcnta \sixt@@n
2027     \expandafter \@tfor \expandafter \reserved@a
2028       \expandafter : \expandafter =\@fps
2029     \do
2030     {%
2031       \if \reserved@a h%
2032         \ifodd \tempcnta
2033       \else
2034         \advance \tempcnta \@ne
2035       \fi
2036     \fi
2037     \if \reserved@a %
2038       \ifodd \tempcnta
2039     \else
2040       \advance \tempcnta \@ne
2041     \fi
2042   \fi
2043   \if \reserved@a t%
2044     \setfpsbit \tw@
2045   \fi
2046   \if \reserved@a %
2047     \setfpsbit \tw@
2048   \fi
2049   \if \reserved@a b%
2050     \setfpsbit 4%

```



```

2051         \fi
2052         \if \reserved@a %
2053             \@setfpsbit 4%
2054         \fi
2055         \if \reserved@a p%
2056             \@setfpsbit 8%
2057         \fi
2058         \if \reserved@a %
2059             \@setfpsbit 8%
2060         \fi
2061         \if \reserved@a !%
2062             \ifnum \@tempcnta>15
2063                 \advance\@tempcnta -\sixt@n\relax
2064             \fi
2065         \fi
2066     }%
2067     \@tempcntb \csname ftype@\@capytype \endcsname
2068     \multiply \@tempcntb \@xxxii
2069     \advance \@tempcnta \@tempcntb
2070     \global \count\@currbox \@tempcnta
2071     }%
2072     \@fltovf
2073 \fi
2074 \global \setbox\@currbox
2075     \color@vbox
2076     \normalcolor
2077     \vbox \bgroup
2078         \hsize\columnwidth
2079         \@parboxrestore
2080     \floatboxreset
2081 }
2082 \let\bm@ \bm@c
2083 \let\bm@ \bm@l
2084 \let\bm@ \bm@r
2085 \let\bm@ \bm@b
2086 \let\bm@ \bm@t
2087 \let\bm@ \bm@s
2088 \long\def\@iiiparbox#1#2[#3]#4#5{%
2089     \leavevmode
2090     \@pboxswfalse
2091     \ifRTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2092     \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
2093     \setlength\@tempdima{#4}%
2094     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
2095     \ifx\relax#2\else
2096         \setlength\@tempdimb{#2}%
2097         \edef\@parboxto{to\the\@tempdimb}%
2098     \fi
2099     \if#1b\vbox
2100     \else\if#1\vbox

```



```

2101 \elseif #1t\vtop
2102 \elseif vtop\ #1
2103 \elseifmode\center
2104 \else\@pboxswtrue $\vcenter
2105 \fi\fi\fi\fi\fi
2106 \@parboxto{\let\hss\vss\let\unhbox\unvbox
2107 \csname bm@#3\endcsname}%
2108 \if@pboxsw \m@th$\fi
2109 \@end@tempboxa}
2110 \def\@iiiminipage#1#2[#3]#4{%
2111 \leavevmode
2112 \@pboxswfalse
2113 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
2114 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
2115 \setlength\@tempdima{#4}%
2116 \def\@mpargs{#1}{#2}{#3}{#4}}%
2117 \setbox\@tempboxa\vbox\bgroup
2118 \color@begingroup
2119 \hsize\@tempdima
2120 \textwidth\hsize \columnwidth\hsize
2121 \@parboxrestore
2122 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
2123 \let\@footnotetext\@mpfootnotetext
2124 \let\@LTRfootnotetext\@mpLTRfootnotetext
2125 \let\@RTLfootnotetext\@mpRTLfootnotetext
2126 \let\@listdepth\@mplistdepth \@mplistdepth\z@
2127 \@minipagerestore
2128 \@setminipage}
2129 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
2130 \ifnum \@lastchclass=3 5 \else
2131 \z@ \if #1c\@chnum \z@ \else
2132 \if chnum@ \ #1 \z@ \else
2133 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2134 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2135 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2136 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2137 \@chclass \if #1|\@ne \else
2138 \if #1@\tw@ \else
2139 \if #1p3 \else
2140 \if 3#1 \else \z@ \@preamerr 0\fi
2141 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2142 \fi}%
2143 \}{}
2144 \@ifdefinitionfileloaded{array-xetex-bidi}{%
2145 \def\@testpach{\@chclass
2146 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2147 \ifnum \@lastchclass=7 5 \else
2148 \ifnum \@lastchclass=8 \tw@ \else
2149 \ifnum \@lastchclass=9 \thr@@
2150 \else \z@

```



```

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

```



```

2201     \if \@nextchar >9 \else
2202     10
2203     \@chnum
2204     \if \@nextchar m\thr@\else
2205     \if \@nextchar thr@\else\
2206     \if \@nextchar p4 \else
2207     \if \@nextchar 4 \else
2208     \if \@nextchar b5 \else
2209     \if \@nextchar 5 \else
2210     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2211     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2212
2213 \def\@classz{\@classx
2214     \@tempcnta \count@
2215     \prepnext@tok
2216     \@addtopreamble{\ifcase \@chnum
2217         \hfil
2218         \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2219         \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2220         \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2221         \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2222         \adl@endmbox\or
2223         \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2224         \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2225         \fi}\prepnext@tok}
2226 \def\adl@class@start{4}
2227 \def\adl@class@iiiorvii{7}
2228
2229 \else
2230 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2231     \ifnum \@lastchclass=\thr@@ 5\relax \else
2232     \z@ \if #1c\@chnum \z@ \else
2233     \if \@chnum\z@\ #1 \else
2234     \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2235     \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2236     \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2237     \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2238     \@chclass
2239     \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2240     \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2241     \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2242     \if #1@\tw@ \else
2243     \if #1p\thr@@ \else
2244     \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2245     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2246
2247 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2248     \or \or \addamp \or
2249     \@acolampacol \or \@firstampfalse \@acol \fi
2250     \edef\@preamble{\@preamble

```



```

2251         \ifcase \@chnum
2252             \hfil\adl@putlrc{\relax\@sharp$}\hfil
2253             \or \adl@putlrc{\relax\@sharp$}\hfil
2254             \or \hfil\adl@putlrc{\relax\@sharp$}\fi}}
2255 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2256             \or \or \@addamp \or
2257             \@acolampacol \or \@firstampfalse \@acol \fi
2258 \edef\@preamble{\@preamble
2259 \ifcase \@chnum
2260             \hfil\adl@putlrc{\@sharp\unskip}\hfil
2261             \or \adl@putlrc{\@sharp\unskip}\hfil
2262             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2263 \def\adl@class@start{6}
2264 \def\adl@class@iiiorvii{3}
2265 \fi
2266 }{}
2267 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2268 \def\@testpach{\@chclass
2269 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2270 \ifnum \@lastchclass=7 5 \else
2271 \ifnum \@lastchclass=8 \tw@ \else
2272 \ifnum \@lastchclass=9 \thr@@
2273 \else \z@
2274 \ifnum \@lastchclass = 10 \else
2275 \edef\@nextchar{\expandafter\string\@nextchar}%
2276 \@chnum
2277 \if \@nextchar c\z@ \else
2278 \if \@nextchar @z\ \else
2279 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2280 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2281 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2282 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2283 \if \@nextchar C7 \else
2284 \if \@nextchar 7 \else
2285 \if \@nextchar L8 \else
2286 \if \@nextchar 8 \else
2287 \if \@nextchar R9 \else
2288 \if \@nextchar 9 \else
2289 \if \@nextchar J10 \else
2290 \if \@nextchar 10 \else
2291 \z@ \@chclass
2292 \if\@nextchar |\@ne \else
2293 \if \@nextchar !6 \else
2294 \if \@nextchar @7 \else
2295 \if \@nextchar <8 \else
2296 \if \@nextchar >9 \else
2297 10
2298 \@chnum
2299 \if \@nextchar m\thr@@\else
2300 \if \@nextchar thr@@\else\

```




```

2348     \let\citeyearpar=\citeyear
2349     \let\NAT@space\relax
2350     \def\NAT@super@kern{\kern\p@}%
2351 \else
2352     \let\NAT@mbox=\mbox
2353     \let\@cite\NAT@citenum
2354     \let\NAT@space\NAT@spacechar
2355     \let\NAT@super@kern\relax
2356 \fi
2357 \let\@citex\NAT@citexnum
2358 \let\@Latincitex\NAT@Latin@citexnum
2359 \let\@biblabel\NAT@biblabelnum
2360 \let\@bibsetup\NAT@bibsetnum
2361 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2362 \def\natexlab##1{%
2363 \def\NAT@penalty{\penalty\@m}%
2364 \else
2365 \let\@cite\NAT@cite
2366 \let\@citex\NAT@citex
2367 \let\@Latincitex\NAT@Latin@citex
2368 \let\@biblabel\NAT@biblabel
2369 \let\@bibsetup\NAT@bibsetup
2370 \let\NAT@space\NAT@spacechar
2371 \let\NAT@penalty\@empty
2372 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2373 \def\natexlab##1{##1}%
2374 \fi}
2375 \newcommand\NAT@Latin@citex{}
2376 \def\NAT@Latin@citex%
2377 [#1][#2]#3{%
2378 \NAT@reset@parser
2379 \NAT@sort@cites{#3}%
2380 \NAT@reset@citea
2381 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2382 \@for\@citeb:=\NAT@cite@list\do
2383 {\@safe@activestrue
2384 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2385 \@safe@activesfalse
2386 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2387 {\reset@font\bfseries ?}\NAT@citeundefined
2388 \PackageWarning{natbib}%
2389 {Citation `@\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2390 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2391 \NAT@parse{\@citeb}%
2392 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2393 \let\NAT@name=\NAT@all@names
2394 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2395 \fi
2396 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2397 \let\NAT@nm\NAT@name\fi

```



```

2398 \ifNAT@swa\ifcase\NAT@ctype
2399 \if\relax\NAT@date\relax
2400 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2401 \else
2402 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2403 \ifx\NAT@last@yr\NAT@year
2404 \def\NAT@temp{?}%
2405 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2406 {Multiple citation on page \thepage: same authors and
2407 year\MessageBreak without distinguishing extra
2408 letter,\MessageBreak appears as question mark}\fi
2409 \NAT@hyper@{\NAT@exlab}%
2410 \else\unskip\NAT@spacechar
2411 \NAT@hyper@{\NAT@date}%
2412 \fi
2413 \else
2414 \@citea\NAT@hyper@{%
2415 \NAT@nmfmt{\NAT@nm}%
2416 \hyper@natlinkbreak{%
2417 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2418 }%
2419 \NAT@date
2420 }%
2421 \fi
2422 \fi
2423 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2424 \or\@citea\NAT@hyper@{\NAT@date}%
2425 \or\@citea\NAT@hyper@{\NAT@alias}%
2426 \fi \NAT@def@citea
2427 \else
2428 \ifcase\NAT@ctype
2429 \if\relax\NAT@date\relax
2430 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2431 \else
2432 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2433 \ifx\NAT@last@yr\NAT@year
2434 \def\NAT@temp{?}%
2435 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2436 {Multiple citation on page \thepage: same authors and
2437 year\MessageBreak without distinguishing extra
2438 letter,\MessageBreak appears as question mark}\fi
2439 \NAT@hyper@{\NAT@exlab}%
2440 \else
2441 \unskip\NAT@spacechar
2442 \NAT@hyper@{\NAT@date}%
2443 \fi
2444 \else
2445 \@citea\NAT@hyper@{%
2446 \NAT@nmfmt{\NAT@nm}%
2447 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%

```



```

2448         {\@citeb\@extra@b@citeb}%
2449         \NAT@date
2450     }%
2451     \fi
2452     \fi
2453     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2454     \or\@citea\NAT@hyper@{\NAT@date}%
2455     \or\@citea\NAT@hyper@{\NAT@alias}%
2456     \fi
2457     \if\relax\NAT@date\relax
2458         \NAT@def@citea
2459     \else
2460         \NAT@def@citea@close
2461     \fi
2462 \fi
2463 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2464 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2465 \newcommand\NAT@Latin@citexnum{}
2466 \def\NAT@Latin@citexnum[#1][#2]#3{%
2467     \NAT@reset@parser
2468     \NAT@sort@cites{#3}%
2469     \NAT@reset@citea
2470     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2471     \@for\@citeb:=\NAT@cite@list\do
2472     {\@safe@activestrue
2473     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2474     \@safe@activesfalse
2475     \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2476         {\reset@font\bfseries?}
2477         \NAT@citeundefined\PackageWarning{natbib}%
2478         {Citation `'\@citeb' on page \thepage \space undefined}}%
2479     {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2480     \NAT@parse{\@citeb}%
2481     \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2482         \let\NAT@name=\NAT@all@names
2483         \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2484     \fi
2485     \ifNAT@full\let\NAT@nm\NAT@all@names\else
2486         \let\NAT@nm\NAT@name\fi
2487     \ifNAT@swa
2488         \@ifnum{\NAT@ctype}>\@ne}{%
2489         \citea
2490     \NAT@hyper@{\@ifnum{\NAT@ctype}=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2491     }{%
2492     \@ifnum{\NAT@cmprs}>\z@}{%
2493     \NAT@ifcat@num\NAT@num
2494     {\let\NAT@nm=\NAT@num}%
2495     {\def\NAT@nm{-2}}%
2496     \NAT@ifcat@num\NAT@last@num
2497     {\@tempcnta=\NAT@last@num\relax}%

```



```

2498     {\@tempcnta\m@ne}%
2499     \@ifnum{\NAT@nm=\@tempcnta}{%
2500       \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbx}%
2501     }{%
2502       \advance\@tempcnta by\@ne
2503       \@ifnum{\NAT@nm=\@tempcnta}{%
2504         \ifx\NAT@last@yr\relax
2505           \def\NAT@last@yr{\@citea}%
2506         \else
2507           \def\NAT@last@yr{--\NAT@penalty}%
2508         \fi
2509       }{%
2510         \NAT@last@yr@mbx
2511       }%
2512     }%
2513   }{%
2514     \@tempswatrue
2515     \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2516       \if@tempswa\NAT@citea@mbx\fi
2517     }%
2518   }%
2519   \NAT@def@citea
2520 \else
2521   \ifcase\NAT@ctype
2522     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2523     \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbx{\NAT@super@kern\NAT@@open}%
2524     \fi
2525     \if*#1*\else#1\NAT@spacechar\fi
2526     \NAT@mbx{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2527     \NAT@def@citea@box
2528   \or
2529     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2530   \or
2531     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2532   \or
2533     \NAT@hyper@citea@space\NAT@alias
2534   \fi
2535 \fi
2536 }%
2537 }%
2538 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2539 \ifNAT@swa\else
2540   \@ifnum{\NAT@ctype=\z@}{%
2541     \if*#2*\else\NAT@cmt#2\fi
2542   }{%
2543     \NAT@mbx{\NAT@@close}%
2544   \fi
2545 }}{#1}{#2}%
2546 }%
2547 \AtBeginDocument{\NAT@set@cites}

```



```

2548 \DeclareRobustCommand\Latincite
2549     {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatru
2550     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2551 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@citetp}{%
2552     \ifNAT@numbers\else
2553     \NAT@swafalse
2554     \fi
2555     \NAT@@Latin@citetp[]}}
2556 \newcommand\NAT@@Latin@citetp{}
2557 \def\NAT@@Latin@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

7.43 packages-localise-xepersian.def

```

2558 packages}          \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2559 color}    \}{color}          @\-localise-xepersian.def}}{}
2560 \@ifpackageloaded{multicol}{%
2561 \newenvironment{      }{\begin{multicols}}{\end{multicols}}%
2562 \newenvironment{      *}{\begin{multicols*}}{\end{multicols*}}%
2563 }{}
2564 \@ifpackageloaded{verbatim}{%
2565 \begingroup
2566 \vrb@catcodes
2567 \lccode`!\!=`\ \lccode`\[=\`\{ \lccode`\]=`\}
2568 \catcode`\~=\active \lccode`\~=\`^M
2569 \lccode`\C=\`C
2570 \lowercase{\endgroup
2571 \def\xepersian@localize@verbatim@start#1{%
2572     \verbatim@startline
2573     \if\noexpand#1\noexpand~%
2574     \let\next\xepersian@localize@verbatim@
2575     \else \def\next{\xepersian@localize@verbatim@#1}\fi
2576     \next}%
2577 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@#1! \@nil}%
2578 \def\xepersian@localize@verbatim@#1!  {%
2579     \verbatim@addtoline{#1}%
2580     \futurelet\next\xepersian@localize@verbatim@@}%
2581 \def\xepersian@localize@verbatim@@#1\@nil{%
2582     \ifx\next\@nil
2583     \verbatim@processline
2584     \verbatim@startline
2585     \let\next\xepersian@localize@verbatim@
2586     \else
2587     \def\@tempa##1! \@nil{##1}%
2588     \@temptokena{! }%
2589     \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2590     \fi \next}%
2591 \def\xepersian@localize@verbatim@test#1{%
2592     \let\next\xepersian@localize@verbatim@test
2593     \if\noexpand#1\noexpand~%
2594     \expandafter\verbatim@addtoline

```



```

2595         \expandafter{\the\@temptokena}%
2596         \verbatim@processline
2597         \verbatim@startline
2598         \let\next\xepersian@localize@verbatim@
2599     \else \if\noexpand#1
2600         \@temptokena\expandafter{\the\@temptokena#1}%
2601     \else \if\noexpand#1\noexpand[%
2602         \let\@tempc\@empty
2603         \let\next\xepersian@localize@verbatim@testend
2604     \else
2605         \expandafter\verbatim@addtoline
2606         \expandafter{\the\@temptokena}%
2607         \def\next{\xepersian@localize@verbatim@#1}%
2608     \fi\fi\fi
2609     \next}%
2610 \def\xepersian@localize@verbatim@testend#1{%
2611     \if\noexpand#1\noexpand~%
2612         \expandafter\verbatim@addtoline
2613         \expandafter{\the\@temptokena[]}%
2614         \expandafter\verbatim@addtoline
2615         \expandafter{\@tempc}%
2616         \verbatim@processline
2617         \verbatim@startline
2618         \let\next\xepersian@localize@verbatim@
2619     \else\if\noexpand#1\noexpand[%
2620         \let\next\xepersian@localize@verbatim@@testend
2621     \else\if\noexpand#1\noexpand!%
2622         \expandafter\verbatim@addtoline
2623         \expandafter{\the\@temptokena[]}%
2624         \expandafter\verbatim@addtoline
2625         \expandafter{\@tempc}%
2626         \def\next{\xepersian@localize@verbatim@!}%
2627     \else \expandafter\def\expandafter\@tempc\expandafter
2628         {\@tempc#1}\fi\fi\fi
2629     \next}%
2630 \def\xepersian@localize@verbatim@@testend{%
2631     \ifx\@tempc\@currentenv
2632         \verbatim@finish
2633     \edef\next{\noexpand\end{\@currentenv}}%
2634         \noexpand\xepersian@localize@verbatim@rescan{\@currentenv}}%
2635     \else
2636         \expandafter\verbatim@addtoline
2637         \expandafter{\the\@temptokena[]}%
2638         \expandafter\verbatim@addtoline
2639         \expandafter{\@tempc}}%
2640     \let\next\xepersian@localize@verbatim@
2641     \fi
2642     \next}%
2643 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2644     \@warning{Characters dropped after `string\end{#1}'}\fi}}%

```



```

2645 \def\      {\begingroup\@verbatim \frenchspacing\vobeyspaces
2646           \xepersian@localize@verbatim@start}
2647 \@namedef{   *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2648 \def\end    {\endtrivlist\endgroup\@doendpe}
2649 \expandafter\let\csname end      *\endcsname =\end
2650 }{}
2651 \ExplSyntaxOn
2652 \AtBeginDocument{
2653   \xepersian_localize_patch_verbatim:
2654 }
2655 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2656   \@ifpackageloaded{verbatim}{
2657     \cs_set:cpn {*      } }
2658     \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@start
2659   }
2660 }{
2661 }
2662 }
2663 \ExplSyntaxOff
2664 \@ifpackageloaded{graphicx}{%
2665 \def\Gin@boolkey#1#2{%
2666 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2667 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2668 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2669 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2670 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2671 \define@key{Grot}{origin}[c]{%
2672 \@tfor\@tempa:=#1\do{%
2673   \if l\@tempa \Grot@x\z@ \else
2674   \if tempa@ \Grot@x\z@ \else
2675   \if r\@tempa \Grot@x\width \else
2676   \if tempa@ \Grot@x\width \else
2677   \if t\@tempa \Grot@y\height \else
2678   \if tempa@ \Grot@y\height \else
2679   \if b\@tempa \Grot@y-\depth \else
2680   \if tempa@ \Grot@y-\depth \else
2681   \if B\@tempa \Grot@y\z@ \else
2682   \if tempa@ \Grot@y\z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}}
2683 {draft}{ }{Gin} @ \
2684 {origin}{ }{Gin} @ \
2685 {origin}{ }{Grot} @ \
2686 {clip}{ }{Gin} @ \
2687 {keepaspectratio}{ }{Gin} @ \
2688 {natwidth}{ }{Gin} @ \
2689 {natheight}{ }{Gin} @ \
2690 {bb}{ }{Gin} @ \
2691 {viewport}{ }{Gin} @ \
2692 {trim}{ }{Gin} @ \
2693 {angle}{ }{Gin} @ \
2694 {width}{ }{Gin} @ \

```




```

2695 {height}{ }{Gin} @ \
2696 {totalheight}{ }{Gin} @ \
2697 {scale}{ }{Gin} @ \
2698 {type}{ }{Gin} @ \
2699 {ext}{ }{Gin} @ \
2700 {read}{ }{Gin} @ \
2701 {command}{ }{Gin} @ \
2702 {x}{ }{Grot} @ \
2703 {y}{ }{Grot} @ \
2704 {units}{ }{Grot} @ \
2705 {}{}

```

7.44 parsidigits.map

```

2706 LHSName "Digits"
2707 RHSName "ParsiDigits"
2708
2709 pass(Unicode)
2710 U+0030 <> U+06F0 ;
2711 U+0031 <> U+06F1 ;
2712 U+0032 <> U+06F2 ;
2713 U+0033 <> U+06F3 ;
2714 U+0034 <> U+06F4 ;
2715 U+0035 <> U+06F5 ;
2716 U+0036 <> U+06F6 ;
2717 U+0037 <> U+06F7 ;
2718 U+0038 <> U+06F8 ;
2719 U+0039 <> U+06F9 ;
2720
2721
2722 U+002C <> U+060C ; comma > arabic comma
2723 U+003F <> U+061F ; question mark -> arabic qm
2724 U+003B <> U+061B ; semicolon -> arabic semicolon
2725
2726 ; ligatures from Knuth's original CMR fonts
2727 U+002D U+002D <> U+2013 ; -- -> en dash
2728 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2729
2730 U+0027 <> U+2019 ; ' -> right single quote
2731 U+0027 U+0027 <> U+201D ; '' -> right double quote
2732 U+0022 > U+201D ; " -> right double quote
2733
2734 U+0060 <> U+2018 ; ` -> left single quote
2735 U+0060 U+0060 <> U+201C ; `` -> left double quote
2736
2737 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2738 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2739
2740 ; additions supported in T1 encoding
2741 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK

```



```
2742 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2743 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET
```

7.45 rapport1-xepersian.def

```
2744 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2745 \renewcommand*\thepart{\@tartibi\c@part}
2746 \renewcommand*\appendix{\par
2747   \setcounter{chapter}{0}%
2748   \setcounter{section}{0}%
2749   \gdef\@chapapp{\appendixname}%
2750   \gdef\thechapter{\@harfi\c@chapter}}
```

7.46 rapport3-xepersian.def

```
2751 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2752 \renewcommand*\thepart{\@tartibi\c@part}
2753 \renewcommand*\appendix{\par
2754   \setcounter{chapter}{0}%
2755   \setcounter{section}{0}%
2756   \gdef\@chapapp{\appendixname}%
2757   \gdef\thechapter{\@harfi\c@chapter}}
```

7.47 refrep-xepersian.def

```
2758 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2759 \renewcommand \thepart {\@tartibi\c@part}
2760 \renewcommand\appendix{\par
2761   \setcounter{chapter}{0}%
2762   \setcounter{section}{0}%
2763   \gdef\@chapapp{\appendixname}%
2764   \gdef\thechapter{\@harfi\c@chapter}
2765 }%end appendix
```

7.48 report-xepersian.def

```
2766 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2767 \renewcommand \thepart {\@tartibi\c@part}
2768 \renewcommand\appendix{\par
2769   \setcounter{chapter}{0}%
2770   \setcounter{section}{0}%
2771   \gdef\@chapapp{\appendixname}%
2772   \gdef\thechapter{\@harfi\c@chapter}
2773 }%end appendix
```

7.49 scrartcl-xepersian.def

```
2774 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2775 \renewcommand*\thepart{\@tartibi\c@part}
2776 \renewcommand*\appendix{\par%
2777   \setcounter{section}{0}%
2778   \setcounter{subsection}{0}%
2779   \gdef\thesection{\@harfi\c@section}%
```



```

2780 \csname appendixmore\endcsname
2781 }
2782 \renewcommand*{\@@maybeautodot}[1]{%
2783 \ifx #1\@stop\let\@@maybeautodot\relax
2784 \else
2785 \ifx #1\harfi \@autodottrue\fi
2786 \ifx #1\adadi \@autodottrue\fi
2787 \ifx #1\tartibi \@autodottrue\fi
2788 \ifx #1\Alph \@autodottrue\fi
2789 \ifx #1\alph \@autodottrue\fi
2790 \ifx #1\Roman \@autodottrue\fi
2791 \ifx #1\roman \@autodottrue\fi
2792 \ifx #1\@harfi \@autodottrue\fi
2793 \ifx #1\@adadi \@autodottrue\fi
2794 \ifx #1\@tartibi \@autodottrue\fi
2795 \ifx #1\@Alph \@autodottrue\fi
2796 \ifx #1\@alph \@autodottrue\fi
2797 \ifx #1\@Roman \@autodottrue\fi
2798 \ifx #1\@roman \@autodottrue\fi
2799 \ifx #1\romannumeral \@autodottrue\fi
2800 \fi
2801 \@@maybeautodot
2802 }

```

7.50 scrbook-xepersian.def

```

2803 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2804 \renewcommand*\frontmatter{%
2805 \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2806 \@mainmatterfalse\pagenumbering{harfi}%
2807 }
2808 \renewcommand*\thepart{\@tartibi\c@part}
2809 \renewcommand*\appendix{\par%
2810 \setcounter{chapter}{0}%
2811 \setcounter{section}{0}%
2812 \gdef\@chapapp{\appendixname}%
2813 \gdef\thechapter{\@harfi\c@chapter}%
2814 \csname appendixmore\endcsname
2815 }
2816 \renewcommand*{\@@maybeautodot}[1]{%
2817 \ifx #1\@stop\let\@@maybeautodot\relax
2818 \else
2819 \ifx #1\harfi \@autodottrue\fi
2820 \ifx #1\adadi \@autodottrue\fi
2821 \ifx #1\tartibi \@autodottrue\fi
2822 \ifx #1\Alph \@autodottrue\fi
2823 \ifx #1\alph \@autodottrue\fi
2824 \ifx #1\Roman \@autodottrue\fi
2825 \ifx #1\roman \@autodottrue\fi
2826 \ifx #1\@harfi \@autodottrue\fi

```



```

2827 \ifx #1\@adadi \@autodottrue\fi
2828 \ifx #1\@tartibi \@autodottrue\fi
2829 \ifx #1\@Alph \@autodottrue\fi
2830 \ifx #1\@alph \@autodottrue\fi
2831 \ifx #1\@Roman \@autodottrue\fi
2832 \ifx #1\@roman \@autodottrue\fi
2833 \ifx #1\romannumeral \@autodottrue\fi
2834 \fi
2835 \@@maybeautodot
2836 }

```

7.51 scrreprt-xepersian.def

```

2837 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2838 \renewcommand*{\thepart}{\@tartibi\c@part}
2839 \renewcommand*\appendix{\par%
2840 \setcounter{chapter}{0}%
2841 \setcounter{section}{0}%
2842 \gdef\@chapapp{\appendixname}%
2843 \gdef\thechapter{\@harfi\c@chapter}%
2844 \csname appendixmore\endcsname
2845 }
2846 \renewcommand*{\@@maybeautodot}[1]{%
2847 \ifx #1\@stop\let\@@maybeautodot\relax
2848 \else
2849 \ifx #1\harfi \@autodottrue\fi
2850 \ifx #1\adadi \@autodottrue\fi
2851 \ifx #1\tartibi \@autodottrue\fi
2852 \ifx #1\Alph \@autodottrue\fi
2853 \ifx #1\alph \@autodottrue\fi
2854 \ifx #1\Roman \@autodottrue\fi
2855 \ifx #1\roman \@autodottrue\fi
2856 \ifx #1\@harfi \@autodottrue\fi
2857 \ifx #1\@adadi \@autodottrue\fi
2858 \ifx #1\@tartibi \@autodottrue\fi
2859 \ifx #1\@Alph \@autodottrue\fi
2860 \ifx #1\@alph \@autodottrue\fi
2861 \ifx #1\@Roman \@autodottrue\fi
2862 \ifx #1\@roman \@autodottrue\fi
2863 \ifx #1\romannumeral \@autodottrue\fi
2864 \fi
2865 \@@maybeautodot
2866 }

```

7.52 tkz-linknodes-xepersian.def

```

2867 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes package]
2868 \renewcommand*{\@SetTab}{%
2869 \let\@alph\@latinalph%
2870 \ifnum \value{C@NumTab}>25\relax%
2871 \setcounter{C@NumTab}{1}%

```



```

2872 \else%
2873   \stepcounter{C@NumTab}%
2874 \fi%
2875   \setcounter{C@NumGroup}{0}%
2876 \newcommand*\PrefixCurrentTab{\alph{C@NumTab}}
2877 \setboolean{B@FirstLink}{true}
2878 \setboolean{B@NewGroup}{false}
2879 \setcounter{C@NumGroup}{0}
2880 \setcounter{C@CurrentGroup}{0}
2881 \setcounter{NumC@Node}{0}
2882 \setcounter{NumC@Stop}{0}
2883 \setcounter{C@NextNode}{0}
2884 \setcounter{C@CurrentStop}{0}
2885 \setcounter{C@CurrentNode}{0}
2886 }%

```

7.53 tocloft-xepersian.def

```

2887 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2888 \renewcommand*\cftchapname{\if@RTL else\ chapter\fi}
2889 \renewcommand*\cftsecname{\if@RTL else\ section\fi}
2890 \renewcommand*\cftsubsecname{\if@RTL else\ subsection\fi}
2891 \renewcommand*\cftsubsubsecname{\if@RTL else\ subsubsection\fi}
2892 \renewcommand*\cftparaname{\if@RTL else\ paragraph\fi}
2893 \renewcommand*\cftsubparaname{\if@RTL else\ subparagraph\fi}
2894 \renewcommand*\cftfigname{\if@RTL else\ figure\fi}
2895 \renewcommand*\cftsubfigname{\if@RTL else\ subfigure\fi}
2896 \renewcommand*\cfttabname{\if@RTL else\ table\fi}
2897 \renewcommand*\cftsubtabname{\if@RTL else\ subtable\fi}

```

7.54 xepersian.sty

```

2898 \NeedsTeXFormat{LaTeX2e}
2899 \def\xepersianversion{v16.1}
2900 \def\xepersiandate{2015/04/30}
2901 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2902 Persian typesetting in XeLaTeX]
2903 \RequirePackage{fontspec}
2904 \RequirePackage{xepersian-persiancal}
2905 \RequirePackage{xepersian-mathsdigitspec}
2906 \RequirePackage{bidi}
2907 \edef\@xepersian@info{*****^^J%
2908 * ^^J%
2909 * xepersian package (Persian for LaTeX, using XeTeX engine)^^J%
2910 * ^^J%
2911 * Description: The package supports Persian^^J%
2912 * typesetting, using fonts provided in the^^J%
2913 * distribution.^^J%
2914 * ^^J%
2915 * Copyright (c) 2008--2015 Vafa Khalighi^^J%
2916 * ^^J%

```



```

2917 * \xepersianversion, \xepersiandate^^J%
2918 * ^^J%
2919 * License: LaTeX Project Public License, version^^J%
2920 * 1.3c or higher (your choice)^^J%
2921 * ^^J%
2922 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2923 * ^^J%
2924 * Issue tracker: https://github.com/persian-tex/xepersian/issues^^J%
2925 * ^^J%
2926 * Support: persian-tex@tug.org^^J%
2927 *****}
2928 \typeout{\@xepersian@info}
2929 \edef\xepersian@everyjob{\the\everyjob}
2930 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2931 \def\prq{«}
2932 \def\plq{»}
2933 \def\xepersian@cmds@temp#1{%
2934   \begingroup\expandafter\expandafter\expandafter\endgroup
2935   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2936     \begingroup
2937       \escapechar=-1 %
2938       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2939       \def\y{#1}%
2940       \def\z##1->{%}
2941       \edef\y{\expandafter\z\meaning\y}%
2942     \expandafter\endgroup
2943     \ifx\x\y
2944       \expandafter\def\csname xepersian@#1\expandafter\endcsname
2945       \expandafter{%
2946         \csname#1\endcsname
2947       }%
2948     \fi
2949   \fi
2950 }%
2951 \xepersian@cmds@temp{shellescape}
2952 \newif\ifwritexviii
2953 \ifnum\xepersian@shellescape=1\relax
2954   \writexviii>true
2955 \else
2956   \writexviii>false
2957 \fi
2958 \newfontscript{Parsi}{arab}
2959 \newfontlanguage{Parsi}{FAR}
2960 \ExplSyntaxOn
2961 \DeclareDocumentCommand \settextfont { o m }
2962 { \__fontspec_pass_args:nnn \__xepersian_settextfont:nn {#1} {#2} }
2963
2964 \cs_new:Nn \__xepersian_settextfont:nn
2965 {
2966   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \persianfont_family } {Script=Parsi,Language=

```



```

2967 \use:x
2968 {
2969   \exp_not:N \DeclareRobustCommand \exp_not:N \persianfont
2970   {
2971     \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
2972     \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \persianfont _family} } \exp_not:N
2973   }
2974 }
2975 \cs_set_eq:NN \rmdefault \l_fontspec_family_tl
2976 \normalfont
2977 }
2978 \DeclareDocumentCommand \setlatintextfont { o m }
2979 { \__fontspec_pass_args:nnn \__xepersian_setlatintextfont:nn {#1} {#2} }
2980
2981 \cs_new:Nn \__xepersian_setlatintextfont:nn
2982 {
2983   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N \latinfont _family } {Mapping=tex-text,#1}
2984   \use:x
2985   {
2986     \exp_not:N \DeclareRobustCommand \exp_not:N \latinfont
2987     {
2988       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
2989       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N \latinfont _family} } \exp_not:N
2990     }
2991   }
2992 }
2993 \cs_set_eq:NN \setlatinsansfont \setsansfont
2994 \cs_set_eq:NN \setlatinmonofont \setmonofont
2995 \DeclareDocumentCommand \defpersianfont { m o m }
2996 { \__fontspec_pass_args:nnn { \__xepersian_defpersianfont:Nnn #1 } {#2} {#3} }
2997
2998 \cs_new:Nn \__xepersian_defpersianfont:Nnn
2999 {
3000   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Parsi,
3001   \use:x
3002   {
3003     \exp_not:N \DeclareRobustCommand \exp_not:N #1
3004     {
3005       \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3006       \exp_not:N \fontfamily { \use:c {g__fontspec_ \cs_to_str:N #1 _family} } \exp_not:N \selectfont
3007     }
3008   }
3009 }
3010 \DeclareDocumentCommand \deflatinfont { m o m }
3011 { \__fontspec_pass_args:nnn { \__xepersian_deflatinfont:Nnn #1 } {#2} {#3} }
3012
3013 \cs_new:Nn \__xepersian_deflatinfont:Nnn
3014 {
3015   \fontspec_set_family:cnn { g__fontspec_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2} {#3}
3016   \use:x

```



```

3017 {
3018   \exp_not:N \DeclareRobustCommand \exp_not:N #1
3019   {
3020     \exp_not:N \fontencoding {\g_fontspec_encoding_tl}
3021     \exp_not:N \fontfamily { \use:c {g_fontspec_ \cs_to_str:N #1 _family} } \exp_not:N \selectfont
3022   }
3023 }
3024 }
3025 \newcommand\persiansfdefault{}
3026 \newcommand\persianttdefault{}
3027 \newcommand\iranicdefault{}
3028 \newcommand\navardefault{}
3029 \newcommand\pookdefault{}
3030 \newcommand\sayehdefault{}
3031 \DeclareRobustCommand\persiansffamily
3032   {\not@math@alphabet\persiansffamily\mathpersiansf
3033   \fontfamily\persiansfdefault\selectfont}
3034 \DeclareRobustCommand\persianttfamily
3035   {\not@math@alphabet\persianttfamily\mathpersiantt
3036   \fontfamily\persianttdefault\selectfont}
3037 \DeclareRobustCommand\iranicfamily
3038   {\not@math@alphabet\iranicfamily\mathiranic
3039   \fontfamily\iranicdefault\selectfont}
3040 \DeclareRobustCommand\navarfamily
3041   {\not@math@alphabet\navarfamily\mathnavar
3042   \fontfamily\navardefault\selectfont}
3043 \DeclareRobustCommand\pookfamily
3044   {\not@math@alphabet\pookfamily\mathpook
3045   \fontfamily\pookdefault\selectfont}
3046 \DeclareRobustCommand\sayehfamily
3047   {\not@math@alphabet\sayehfamily\mathsayeh
3048   \fontfamily\sayehdefault\selectfont}
3049 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3050 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3051 \DeclareTextFontCommand{\textiranic}{\iranicfamily}
3052 \DeclareTextFontCommand{\textnavar}{\navarfamily}
3053 \DeclareTextFontCommand{\textpook}{\pookfamily}
3054 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3055 \DeclareDocumentCommand \setpersiansansfont { o m }
3056 { \_fontspec_pass_args:nnn \_xepersian_setpersiansansfont:nn {#1} {#2} }
3057
3058 \cs_new:Nn \_xepersian_setpersiansansfont:nn
3059 {
3060   \fontspec_set_family:Nnn \persiansfdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3061   \normalfont
3062   \ignorespaces
3063 }
3064 \DeclareDocumentCommand \setpersianmonofont { o m }
3065 { \_fontspec_pass_args:nnn \_xepersian_setpersianmonofont:nn {#1} {#2} }
3066

```




```

3067 \cs_new:Nn \__xepersian_setpersianmonofont:nn
3068 {
3069   \fontspec_set_family:Nnn \persianttdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#
3070   \normalfont
3071   \ignorespaces
3072 }
3073 \DeclareDocumentCommand \setnavarfont { o m }
3074 { \__fontspec_pass_args:nnn \__xepersian_setnavarfont:nn {#1} {#2} }
3075
3076 \cs_new:Nn \__xepersian_setnavarfont:nn
3077 {
3078   \fontspec_set_family:Nnn \navardefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3079   \normalfont
3080   \ignorespaces
3081 }
3082 \DeclareDocumentCommand \setpookfont { o m }
3083 { \__fontspec_pass_args:nnn \__xepersian_setpookfont:nn {#1} {#2} }
3084
3085 \cs_new:Nn \__xepersian_setpookfont:nn
3086 {
3087   \fontspec_set_family:Nnn \pookdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#2}
3088   \normalfont
3089   \ignorespaces
3090 }
3091 \DeclareDocumentCommand \setsayehfont { o m }
3092 { \__fontspec_pass_args:nnn \__xepersian_setsayehfont:nn {#1} {#2} }
3093
3094 \cs_new:Nn \__xepersian_setsayehfont:nn
3095 {
3096   \fontspec_set_family:Nnn \sayehdefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3097   \normalfont
3098   \ignorespaces
3099 }
3100 \DeclareDocumentCommand \setiraniconfont { o m }
3101 { \__fontspec_pass_args:nnn \__xepersian_setiraniconfont:nn {#1} {#2} }
3102
3103 \cs_new:Nn \__xepersian_setiraniconfont:nn
3104 {
3105   \fontspec_set_family:Nnn \iranicondefault {Script=Parsi,Language=Parsi,Mapping=parsidigits,#1}{#
3106   \normalfont
3107   \ignorespaces
3108 }
3109 \ExplSyntaxOff
3110 \def\resetlatinfont{%
3111 \let\normalfont\latinfont%
3112 \let\reset@font\normalfont%
3113 \latinfont}
3114 \def\setpersianfont{%
3115 \let\normalfont\persianfont%
3116 \let\reset@font\normalfont%

```



```

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

```



```

3167         \let\themargin\oddsidemargin
3168     \else \let\@thehead\@evenhead
3169         \let\@thefoot\@evenfoot \let\themargin\evensidemargin
3170     \fi
3171     \ifx\@thehead\@empty \let\@thehead\hfil \fi
3172     \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
3173     \else %% not @twoside
3174     \ifx\@oddhead\@empty \let\@thehead\hfil \fi
3175     \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
3176 \fi
3177 \reset@font
3178 \normalsize
3179 \if@RTLmain\setpersianfont\else\resetlatinfont\fi
3180 \normalsfcodes
3181 \let\label\@gobble
3182 \let\index\@gobble
3183 \let\glossary\@gobble
3184 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
3185 \begin@dv
3186 \vskip \topmargin
3187 \moveright\@themargin \vbox {%
3188     \setbox\@tempboxa \vbox to\headheight{%
3189         \vfil
3190         \color@hbox
3191         \normalcolor
3192         \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
3193         \color@endbox
3194     }%
3195     \dp\@tempboxa \z@
3196     \box\@tempboxa
3197     \vskip \headsep
3198     \box\@outputbox
3199     \baselineskip \footskip
3200     \color@hbox
3201     \normalcolor
3202     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
3203     \color@endbox
3204 }%
3205 }%
3206 \global\let\if@newlist\@if@newlist
3207 \global \colht \textheight
3208 \stepcounter{page}%
3209 \let\firstmark\botmark
3210 }
3211 \newcommand\twocolumnstableofcontents{%
3212 \ifpackageloaded{multicol}{%
3213     \begin{multicols}{2}[\section*{\contentsname}]%
3214         \small
3215         \starttoc{toc}%
3216     \end{multicols}}

```



```

3217 {\PackageError{xepersian}{Oops! you should load multicol package before xepersian package for bei
3218 \def\XePersian{\leavevmode$\smash{\hbox{X\lower.5ex
3219 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
3220 \def\figurename{\if@RTL else\ Figure\fi}
3221 \def\tablename{\if@RTL else\ Table\fi}
3222 \def\contentsname{\if@RTL else\ Contents\fi}
3223 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3224 \def\listtablename{\if@RTL else\ List of Tables\fi}
3225 \def\appendixname{\if@RTL else\ Appendix\fi}
3226 \def\indexname{\if@RTL else\ Index\fi}
3227 \def\refname{\if@RTL else\ References\fi}
3228 \def\abstractname{\if@RTL else\ Abstract\fi}
3229 \def\partname{\if@RTL else\ Part\fi}
3230 \def\datename{\if@RTL else\ : Date:\fi}
3231 \def\@and{\if@RTL else\ and\fi}
3232 \def\bibName{\if@RTL else\ Bibliography\fi}
3233 \def\chaptername{\if@RTL else\ Chapter\fi}
3234 \def\ccname{\if@RTL else\ cc\fi}
3235 \def\enclname{\if@RTL else\ encl\fi}
3236 \def\pagename{\if@RTL else\ Page\fi}
3237 \def\headtoname{\if@RTL else\ To\fi}
3238 \def\proofname{\if@RTL else\ Proof\fi}
3239 \def\@Abjad#1{%
3240 \ifcase#1\or or\ or\ or\ %
3241 \or or\ or\ or\ or\ %
3242 \or or\ or\ or\ or\ %
3243 \or or\ or\ or\ %
3244 \or or\ or\ or\ or\ %
3245 \or or\ or\ or\ or\ %
3246 \else\@ctrerr\fi}
3247 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3248 \let\Abjadnumeral\@Abjad
3249 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3250 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3251 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3252 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3253 \let\harfinumeral\@harfi
3254 \newcommand{\adadi}[1]{%
3255 \expandafter\@adadi\csname c@#1\endcsname%
3256 }
3257 \newcommand{\@adadi}[1]{%
3258 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
3259 }
3260 \let\adadinumeral\@adadi%
3261 \def\xepersian@numberoutofrange#1#2{%
3262 \PackageError{xepersian}{The number `#1' is too large %
3263 to be formatted using xepersian}{The largest possible %
3264 number is 999,999,999.}%
3265 }

```



```

3266 \def\xepersian@numberstring#1#2#3#4{%
3267 \ifnum\number#1<\@ne%
3268 #3%
3269 \else\ifnum\number#1<1000000000 %
3270 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3271 \else%
3272 \xepersian@numberoutofrange{#1}{#4}%
3273 \fi\fi%
3274 }
3275 \def\xepersian@adadi#1#2{%
3276 \expandafter\xepersian@@adadi%
3277 \ifcase%
3278 \ifnum#1<10 1%
3279 \else\ifnum#1<100 2%
3280 \else\ifnum#1<\@m 3%
3281 \else\ifnum#1<\@M 4%
3282 \else\ifnum#1<100000 5%
3283 \else\ifnum#1<1000000 6%
3284 \else\ifnum#1<10000000 7%
3285 \else\ifnum#1<100000000 8%
3286 \else9%
3287 \fi\fi\fi\fi\fi\fi\fi\fi %
3288 \or00000000#1% case 1: Add 8 leading zeros
3289 \or0000000#1% case 2: Add 7 leading zeros
3290 \or000000#1% case 3: Add 6 leading zeros
3291 \or00000#1% case 4: Add 5 leading zeros
3292 \or0000#1% case 5: Add 4 leading zeros
3293 \or000#1% case 6: Add 3 leading zeros
3294 \or00#1% case 7: Add 2 leading zeros
3295 \or0#1% case 8: Add 1 leading zero
3296 \or#1% case 9: Add no leading zeros
3297 \or%
3298 \@nil#2%
3299 \fi%
3300 }
3301 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3302 \ifnum#1#2#3>\z@
3303 \xepersian@milyoongan#1#2#3%
3304 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else\ \fi\else\ifnum#4#5#6>\z@ \ \fi\fi%
3305 \fi%
3306 \ifnum#4#5#6>\z@%
3307 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3308 \ifnum#4#5#6>\@ne\fi%
3309 %
3310 \ifnum#7>\z@ \ \fi%
3311 \fi%
3312 \xepersian@sadgan#7{#4#5#6}1#9%
3313 }
3314 \def\xepersian@milyoongan#1#2#3{%
3315 \ifnum#1#2#3=\@ne%

```



```

3316 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3317 %
3318 %
3319 \else%
3320 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3321 %
3322 %
3323 \fi%
3324 }
3325 \def\xepersian@sadgan#1#2#3#4#5#6{%
3326 \ifnum#1>\z@%
3327 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3328 %
3329 \ifnum#2#3>\z@ \fi%
3330 \fi%
3331 \ifnum#2#3<20%
3332 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3333 \else%
3334 \xepersian@dahgan#2%
3335 \ifnum#3>\z@ \xepersian@yekani#3\fi%
3336 #60%
3337 \fi%
3338 }
3339 \def\xepersian@yekani#1{%
3340 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3341 \or or\ or\ or\ or\ or\ or\ or\ %
3342 \or or\ or\ or\ %
3343 \or or\ %fi\
3344 }
3345 \def\xepersian@yekanii#1{%
3346 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3347 }
3348 \def\xepersian@yekanii#1{%
3349 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3350 }
3351 \def\xepersian@yekaniv#1{%
3352 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3353 \or or\ or\ %fi\
3354 }
3355 \def\xepersian@dahgan#1{%
3356 \ifcase#1\or\or or\ or\ %
3357 \or or\ or\ or\ %
3358 \or %fi\
3359 }
3360 \newcommand{\tartibi}[1]{%
3361 \expandafter\@tartibi\csize c@#1\endcsize%
3362 }
3363 \newcommand{\@tartibi}[1]{%
3364 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3365 }

```



```

3366 \let\tartibinumeral\@tartibi%
3367 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3368 \ifnum\number#1<\@ne%
3369 #3%
3370 \else\ifnum\number#1<1000000000 %
3371 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3372 \else%
3373 \xepersian@numberoutofrange{#1}#{#4}%
3374 \fi\fi%
3375 }
3376 \def\xepersian@adadi@tartibi#1#2{%
3377 \expandafter\xepersian@@adadi@tartibi%
3378 \ifcase%
3379 \ifnum#1<10 1%
3380 \else\ifnum#1<100 2%
3381 \else\ifnum#1<\@m 3%
3382 \else\ifnum#1<\@M 4%
3383 \else\ifnum#1<100000 5%
3384 \else\ifnum#1<1000000 6%
3385 \else\ifnum#1<10000000 7%
3386 \else\ifnum#1<100000000 8%
3387 \else9%
3388 \fi\fi\fi\fi\fi\fi\fi\fi %
3389 \or00000000#1% case 1: Add 8 leading zeros
3390 \or0000000#1% case 2: Add 7 leading zeros
3391 \or000000#1% case 3: Add 6 leading zeros
3392 \or00000#1% case 4: Add 5 leading zeros
3393 \or0000#1% case 5: Add 4 leading zeros
3394 \or000#1% case 6: Add 3 leading zeros
3395 \or00#1% case 7: Add 2 leading zeros
3396 \or0#1% case 8: Add 1 leading zero
3397 \or#1% case 9: Add no leading zeros
3398 \or%
3399 \@nil#2%
3400 \fi%
3401 }
3402 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3403 \ifnum#1#2#3>\z@
3404 \xepersian@milyoongan@tartibi#1#2#3%
3405 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3406 \fi%
3407 \ifnum#4#5#6>\z@%
3408 \xepersian@sadgan#4#5#6{#1#2#3}#{#4#5}\xepersian@yekani%
3409 \ifnum#4#5#6>\@ne \fi%
3410 %
3411 \ifnum#7>\z@\ \fi%
3412 \fi%
3413 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3414 }
3415 \def\xepersian@milyoongan@tartibi#1#2#3{%

```



```

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

```




```

3466     \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3467     \else
3468     \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3469     \fi
3470     \fi
3471     \fi
3472     \fi
3473     \fi
3474 \fi
3475 }
3476 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3477 \let\abjadnumeral\@abjad
3478 \def\abjad@zero{}
3479 \def\abj@num@i#1{%
3480     \ifcase#1\or or\ or\ or\ %
3481         \or or\ or\ or\ or\ fi\
3482     \ifnum#1=\z@\abjad@zero\fi}
3483 \def\abj@num@ii#1{%
3484     \ifcase#1\or or\ or\ or\ or\ %
3485         \or or\ or\ or\ fi\
3486     \ifnum#1=\z@\fi\abj@num@i}
3487 \def\abj@num@iii#1{%
3488     \ifcase#1\or or\ or\ or\ or\ %
3489         \or or\ or\ or\ fi\
3490     \ifnum#1=\z@\fi\abj@num@ii}
3491 \def\abj@num@iv#1{%
3492     \ifcase#1\or fi\
3493     \ifnum#1=\z@\fi\abj@num@iii}
3494 }{}
3495 \let\@latinalph\@alph%
3496 \let\@latinAlph\@Alph%
3497 \def\LatinAlphs{%
3498     \let\@alph\@latinalph%
3499     \let\@Alph\@latinAlph%
3500 }
3501 \bidi@AfterEndPreamble{%
3502 \if@bidi@csundef{persianfont}{%
3503 \PackageError{xepersian}{You have not specified any font\MessageBreak
3504 for the main Persian text}{Use '\settextfont' to load a font.}%
3505 }{}
3506 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3507 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3508 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3509 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3510 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3511 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3512 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3513 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{\input{footnote-
3514 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3515 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}

```



```

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

```



```

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

```



```

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

```



```

3666 \ProcessOptionsX
3667
3668 \if@extrafootnotefeatures
3669   \input{extrafootnotefeatures-xetex-bidi.def}
3670   \input{extrafootnotefeatures-xepersian.def}
3671 \fi
3672
3673 \setlatintextfont [ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita
3674 \PersianAlphs

```

7.55 xepersian-magazine.cls

```

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

```



```

3713 \DeclareOption{twoside}%
3714 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3715 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3716 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3717 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3718 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3719 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3720 \ProcessOptions\relax
3721 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3722 \RequirePackage{ifxetex}
3723 \RequirePackage{multido}
3724 \RequirePackage{datetime}
3725 \RequirePackage{multicol}
3726 \RequirePackage{fancyhdr}
3727 \RequirePackage{fancybox}
3728 \ifthenelse{\boolean{xepersian@a3paper}}{%
3729 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3730 }{
3731 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3732 }
3733 \RequirePackage[absolute]{textpos} % absolute positioning
3734 \RequirePackage{hyphenat} % when hyphenate
3735 \RequirePackage{lastpage} % to know the last page number
3736 \RequirePackage{setspace} % set space between lines
3737 \RequirePackage{ragged2e}
3738 \newcommand{\raggedFormat}{\RaggedLeft}
3739 \AtEndOfClass{\xepersianInit}
3740 \ifthenelse{\boolean{xepersian@showgrid}}{%
3741 \AtBeginDocument{
3742 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3743 \advance\minraggedcols by -1
3744 }{%
3745 \AtBeginDocument{
3746 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3747 \advance\minraggedcols by -1
3748 }
3749 \ifthenelse{\boolean{xepersian@ninepoints}}{
3750 \renewcommand{\normalsize}{%
3751 \setfontsize{\normalsize}{9pt}{10pt}%
3752 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3753 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3754 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3755 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3756
3757 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
3758
3759 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
3760
3761 \renewcommand{\small}{%
3762 \setfontsize{\small}{8pt}{9pt}%

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

4113 \end{textblock}
4114 \begin{textblock}{29}(22,10)
4115 \vspace{5pt plus 2pt minus 2pt}
4116
4117 \xepersian@firstText{\timestamp{#3}~#2}
4118
4119 \end{textblock}
4120
4121 \begin{textblock}{50}(0,15)
4122 \rule{50\TPHorizModule}{.3pt}
4123 \end{textblock}
4124 }{%else
4125 \ClassError{xepersian-magazine}{%
4126 \protect\firstarticle\space in a wrong place.\MessageBreak
4127 \protect\firstarticle\space may only appear inside frontpage environment.
4128 }{%
4129 \protect\firstarticle\space may only appear inside frontpage environment.
4130 }%
4131 }
4132 }
4133 \newcommand{\secondarticle}[5]
4134 {
4135 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4136 \begin{textblock}{33}(2,16)
4137 \xepersian@pages{#4}
4138 \vspace{-5pt}
4139 \xepersian@secondTitle{#1}
4140
4141 \vspace*{5pt}
4142
4143 \xepersian@secondSubtitle{#2}
4144
4145 \vspace*{-7pt}
4146
4147 \xepersian@secondText{\timestamp{#5}~#3}
4148
4149 \end{textblock}
4150
4151 \begin{textblock}{33}(2,25)
4152 \vspace{5pt plus 2pt minus 2pt}
4153
4154 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4155 \end{textblock}
4156 }{%else
4157 \ClassError{xepersian-magazine}{%
4158 \protect\secondarticle\space in a wrong place.\MessageBreak
4159 \protect\secondarticle\space may only appear inside frontpage environment.
4160 }{%
4161 \protect\secondarticle\space may only appear inside frontpage environment.
4162 }%

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

4513 \begin{center}
4514 \vbox{%
4515 \noindent
4516 \xepersian@shortarticleTitle{#1}
4517 \vspace{4pt plus 2pt minus 2pt}
4518 \hrule
4519 \vspace{4pt plus 2pt minus 2pt}
4520 \xepersian@shortarticleSubtitle{#2}
4521 }
4522 \end{center}
4523 }
4524 \newenvironment{shortarticle}[4]
4525 {
4526 \xepersian@say{Adding a short article block}
4527 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4528     \label{#4}
4529 \par %
4530 \ifnum #1 > \minraggedcols
4531 \raggedFormat
4532 \fi
4533 }
4534 {
4535 \end{multicols}
4536 }
4537 \newcommand{\shortarticleitem}[2]{
4538 \goodbreak
4539 \vspace{5pt plus 3pt minus 3pt}
4540 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4541 \vspace{5pt plus 3pt minus 3pt}
4542 {\noindent #2}\
4543 }

```

7.56 xepersian-mathsdigitspec.sty

```

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

```



```

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

```



```

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

```




```

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

```



```

4709 }
4710 \DeclareDocumentCommand \setmathttdigitfont { o m }
4711 { \_fontspec_pass_args:nnn \_xepersian_setmathttdigitfont:nn {#1} {#2} }
4712
4713 \cs_new:Nn \_xepersian_setmathttdigitfont:nn
4714 {
4715 \fontspec_set_family:Nnn \g_fontspec_mathtt_tl {Mapping=parsidigits,#1} {#2}
4716 \DeclareSymbolFont{new@mathtt@font@digits}{EU1}{\g_fontspec_mathtt_tl}{m}{n}
4717 \def\persianmathttdigits{\cs_set_eq:NN \mathtt \new@mathtt}
4718 }
4719 \ExplSyntaxOff
4720 \ifx\newcommand\undefined\else
4721 \newcommand{\ZifferAn}{}
4722 \fi
4723 \mathchardef\ziffer@DotOri="013A
4724 {\ZifferAn
4725 \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4726 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4727 \def\ziffer@check#1#2{%
4728 \ifx\n1\endgroup#1\else
4729 \ifx\n2\endgroup#1\else
4730 \ifx\n3\endgroup#1\else
4731 \ifx\n4\endgroup#1\else
4732 \ifx\n5\endgroup#1\else
4733 \ifx\n6\endgroup#1\else
4734 \ifx\n7\endgroup#1\else
4735 \ifx\n8\endgroup#1\else
4736 \ifx\n9\endgroup#1\else
4737 \ifx\n0\endgroup#1\else
4738 \ifx\n\overline\endgroup#1\else
4739 \endgroup#2%
4740 \fi
4741 \fi
4742 \fi
4743 \fi
4744 \fi
4745 \fi
4746 \fi
4747 \fi
4748 \fi
4749 \fi
4750 \fi}
4751 \mathcode`.=="8000\relax
4752 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
4753 \def\DefaultMathsDigits{\def\SetMathsDigits{}}
4754 \def\PersianMathsDigits{\def\SetMathsDigits{%
4755 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4756 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4757 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4758 \def\AutoMathsDigits{\def\SetMathsDigits{%

```



```

4759 \ifx\persianmathsdigits\undefined\else\if@Latin\else\persianmathsdigits\fi\fi%
4760 \ifx\persianmathsfdigits\undefined\else\if@Latin\else\persianmathsfdigits\fi\fi%
4761 \ifx\persianmathstdigits\undefined\else\if@Latin\else\persianmathstdigits\fi\fi}}
4762 \AutoMathsDigits
4763 \everymath\expandafter{\the\everymath\SetMathsDigits}
4764 \g@addto@macro\document{\everydisplay\expandafter{\the\everydisplay\SetMathsDigits}}

```

7.57 xepersian-multiplechoice.sty

```

4765 \NeedsTeXFormat{LaTeX2e}
4766 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4767     Multiple Choice Questionnaire class for Persian in XeLaTeX]
4768 \RequirePackage{pifont}
4769 \RequirePackage{fullpage}
4770 \RequirePackage{ifthen}
4771 \RequirePackage{calc}
4772 \RequirePackage{verbatim}
4773 \RequirePackage{tabularx}
4774 \def\@headerfont{\bfseries}
4775 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4776 \def\@X{X}
4777 \newcommand\X[1]{\gdef\@X{#1}}
4778 \def\pbs#1{\let\tmp=#1\let\=#1\tmp}
4779 \newcolumnntype{D}{>{\pbs\centering}X}
4780 \newcolumnntype{Q}{>{\@headerfont}X}
4781
4782 \renewcommand\tabularxcolumn[1]{m{#1}}
4783 \newcommand\makeform@nocorrection{%
4784   \addtocontents{frm}{\protect\end{tabularx}}
4785   \@starttoc{frm}}
4786 \newcommand\makeform@correction{%
4787   \addtocontents{frm}{\protect\end{tabularx}}}
4788 \newcommand\makemask@nocorrection{%
4789   \addtocontents{msk}{\protect\end{tabularx}}
4790   \@starttoc{msk}}
4791 \newcommand\makemask@correction{%
4792   \addtocontents{msk}{\protect\end{tabularx}}}
4793 \newlength\questionspace
4794 \setlength\questionspace{0pt}
4795 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4796 \def\@answerstitlefont{\bfseries}
4797 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4798 \def\@answernumberfont{\bfseries}
4799 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4800 \newcounter{question}\stepcounter{question}
4801 \newcounter{@choice}
4802 \def\@initorcheck{%
4803   \xdef\@choices{\the@choice}%
4804   \setcounter{@choice}{1}%
4805   \gdef\@arraydesc{|Q||}%

```



```

4806 \gdef\@headerline{%
4807 \whiledo{\not{\value{@choice}>\@choices}}{
4808   \xdef\@arraydesc{\@arraydesc D]}
4809   \def\@appendheader{\g@addto@macro\@headerline}
4810   \@appendheader{&\protect\@headerfont}
4811   \edef\@the@choice{\alph{@choice}}
4812   \expandafter\@appendheader\@the@choice
4813   \stepcounter{@choice}}%
4814 \addtocontents{frm}{%
4815   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4816   \protect\hline
4817   \@headerline\protect\\\protect\hline\protect\hline}%
4818 \addtocontents{msk}{%
4819   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4820   \protect\hline
4821   \@headerline\protect\\\protect\hline\protect\hline}%
4822 \gdef\@initcheck{%
4823   \ifthenelse{\value{@choice} = \@choices}{-}{%
4824     \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4825       (\the@choice\space instead of \@choices)}{-}%
4826     Questions must all have the same number of proposed answers.%
4827     \MessageBreak
4828     Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}}
4829 \newenvironment{question}[1]{%
4830   %% \begin{question}
4831   \begin{minipage}{\textwidth}
4832     \xdef\@formanswerline{\@questionheader}%
4833     \xdef\@maskanswerline{\@questionheader}%
4834     \fbox{\parbox[c]{\linewidth}{#1}}
4835     \vspace\questionspace\par
4836     {\@answerstitlefont\@answerstitle}
4837     \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}{%
4838   %% \end{question}
4839     \end{list}
4840     \@initcheck%
4841     \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
4842     \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
4843   \end{minipage}
4844   \stepcounter{question}}
4845 \def\@truesymbol{\ding{52}~}
4846 \def\@falsesymbol{\ding{56}~}
4847 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4848 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4849 \def\@true@nocorrection{\item}
4850 \def\@false@nocorrection{\item}
4851 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
4852 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4853 \newcommand\true{%
4854   \xdef\@formanswerline{\@formanswerline&}%
4855   \xdef\@maskanswerline{\@maskanswerline&\@X}%

```



```

4856 \@true}%
4857 \newcommand\false{%
4858   \def\@formanswerline{\@formanswerline&}%
4859   \def\@maskanswerline{\@maskanswerline&}%
4860   \@false}%
4861 \def\@correctionstyle{\itshape}
4862 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4863 \newenvironment{correction}{\@correctionstyle}{}
4864 \def\@questionheader{ \thequestion}
4865 \answerstitle{   {:
4866 \DeclareOption{nocorrection}{%
4867   \let\@true\@true@nocorrection
4868   \let\@false\@false@nocorrection
4869   \let\correction\comment
4870   \let\endcorrection\endcomment
4871   \def\makeform{\makeform@nocorrection}
4872   \def\makemask{\makemask@nocorrection}}
4873 \DeclareOption{correction}{%
4874   \let\@true\@true@correction
4875   \let\@false\@false@correction
4876   \let\correction\@correction
4877   \let\endcorrection\end@correction
4878   \def\makeform{\makeform@correction}
4879   \def\makemask{\makemask@correction}}
4880 \ExecuteOptions{nocorrection}
4881 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4882 \def\@questiontitlefont{\bfseries}
4883 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4884 \newlength\questiontitlespace
4885 \setlength\questiontitlespace{5pt}
4886 \newlength\questionsepspace
4887 \setlength\questionsepspace{20pt}
4888 \gdef\@questionsepspace{0pt}
4889 \let\old@question\question
4890 \let\old@endquestion\endquestion
4891 \renewenvironment{question}[1]{%
4892   %% \begin{question}
4893   \vspace\@questionsepspace
4894   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4895   \nopagebreak\vspace\questiontitlespace\par
4896   \old@question{#1}}{%
4897   %% \end{question}
4898   \old@endquestion
4899   \gdef\@questionsepspace{\questionsepspace}}
4900 \questiontitle{ \thequestion:}
4901 \ProcessOptions

```

7.58 xepersian-persiancal.sty

```
4902 \NeedsTeXFormat{LaTeX2e}
```



```

4903 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4904
4905 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4906 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4907 \newcount\XePersian@latini \newcount\XePersian@persiani
4908 \newcount\XePersian@latinii \newcount\XePersian@persianii
4909 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4910 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4911 \newcount\XePersian@latinv \newcount\XePersian@persianv
4912 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4913 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4914 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4915 \newcount\XePersian@latinix \newcount\XePersian@persianix
4916 \newcount\XePersian@latinx \newcount\XePersian@persianx
4917 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4918 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4919 \newcount\XePersian@persianxiii
4920
4921 \newcount\XePersian@temp
4922 \newcount\XePersian@temptwo
4923 \newcount\XePersian@tempthree
4924 \newcount\XePersian@yModHundred
4925 \newcount\XePersian@thirtytwo
4926 \newcount\XePersian@dn
4927 \newcount\XePersian@sn
4928 \newcount\XePersian@mminusone
4929
4930
4931 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4932 \XePersian@temp=\XePersian@y
4933 \divide\XePersian@temp by 100\relax
4934 \multiply\XePersian@temp by 100\relax
4935 \XePersian@yModHundred=\XePersian@y
4936 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4937 \ifodd\XePersian@yModHundred
4938 \XePersian@leapfalse
4939 \else
4940 \XePersian@temp=\XePersian@yModHundred
4941 \divide\XePersian@temp by 2\relax
4942 \ifodd\XePersian@temp\XePersian@leapfalse
4943 \else
4944 \ifnum\XePersian@yModHundred=0%
4945 \XePersian@temp=\XePersian@y
4946 \divide\XePersian@temp by 400\relax
4947 \multiply\XePersian@temp by 400\relax
4948 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4949 \else\XePersian@leaptrue
4950 \fi
4951 \fi
4952 \fi

```



```

4953 \XePersian@latini=31\relax
4954 \ifXePersian@leap
4955   \XePersian@latinii = 29\relax
4956 \else
4957   \XePersian@latinii = 28\relax
4958 \fi
4959 \XePersian@latiniii = 31\relax
4960 \XePersian@latiniv = 30\relax
4961 \XePersian@latinv = 31\relax
4962 \XePersian@latinvi = 30\relax
4963 \XePersian@latinvii = 31\relax
4964 \XePersian@latinviii = 31\relax
4965 \XePersian@latinix = 30\relax
4966 \XePersian@latinix = 31\relax
4967 \XePersian@latinxi = 30\relax
4968 \XePersian@latinxii = 31\relax
4969 \XePersian@thirtytwo=32\relax
4970 \XePersian@temp=\XePersian@y
4971 \advance\XePersian@temp by -17\relax
4972 \XePersian@temptwo=\XePersian@temp
4973 \divide\XePersian@temptwo by 33\relax
4974 \multiply\XePersian@temptwo by 33\relax
4975 \advance\XePersian@temp by -\XePersian@temptwo
4976 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
4977 \else
4978   \XePersian@temptwo=\XePersian@temp
4979   \divide\XePersian@temptwo by 4\relax
4980   \multiply\XePersian@temptwo by 4\relax
4981   \advance\XePersian@temp by -\XePersian@temptwo
4982   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
4983 \fi
4984 \XePersian@tempthree=\XePersian@y % Number of Leap years
4985 \advance\XePersian@tempthree by -1
4986 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4987 \divide\XePersian@temp by 4\relax
4988 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4989 \divide\XePersian@temptwo by 100\relax
4990 \advance\XePersian@temp by -\XePersian@temptwo
4991 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4992 \divide\XePersian@temptwo by 400\relax
4993 \advance\XePersian@temp by \XePersian@temptwo
4994 \advance\XePersian@tempthree by -611 % Number of Kabise years
4995 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4996 \divide\XePersian@temptwo by 33\relax
4997 \multiply\XePersian@temptwo by 8\relax
4998 \advance\XePersian@temp by -\XePersian@temptwo
4999 \XePersian@temptwo=\XePersian@tempthree %
5000 \divide\XePersian@temptwo by 33\relax
5001 \multiply\XePersian@temptwo by 33\relax
5002 \advance\XePersian@tempthree by -\XePersian@temptwo

```



```

5003 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T);
5004 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5005 \advance\XePersian@temp by -\XePersian@tempthree
5006 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5007 \XePersian@persiani=31
5008 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5009 \XePersian@persianii = 30\relax
5010 \ifXePersian@kabiseh
5011 \XePersian@persianiii = 30\relax
5012 \else
5013 \XePersian@persianiii = 29\relax
5014 \fi
5015 \XePersian@persianiv = 31\relax
5016 \XePersian@persianv = 31\relax
5017 \XePersian@persianvi = 31\relax
5018 \XePersian@persianvii = 31\relax
5019 \XePersian@persianviii= 31\relax
5020 \XePersian@persianix = 31\relax
5021 \XePersian@persianx = 30\relax
5022 \XePersian@persianxi = 30\relax
5023 \XePersian@persianxii = 30\relax
5024 \XePersian@persianxiii= 30\relax
5025 \XePersian@dn= 0\relax
5026 \XePersian@sn= 0\relax
5027 \XePersian@mminusone=\XePersian@m
5028 \advance\XePersian@mminusone by -1\relax
5029 \XePersian@i=0\relax
5030 \ifnum\XePersian@i < \XePersian@mminusone
5031 \loop
5032 \advance \XePersian@i by 1\relax
5033 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5034 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5035 \fi
5036 \advance \XePersian@dn by \XePersian@d
5037 \XePersian@i=1\relax
5038 \XePersian@sn = \XePersian@persiani
5039 \ifnum \XePersian@sn<\XePersian@dn
5040 \loop
5041 \advance \XePersian@i by 1\relax
5042 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5043 \ifnum \XePersian@sn<\XePersian@dn \repeat
5044 \fi
5045 \ifnum \XePersian@i < 4
5046 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5047 \advance \XePersian@y by -622\relax
5048 \else
5049 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5050 \advance \XePersian@y by -621\relax
5051 \fi
5052 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%

```




```

5053 \endcsname
5054 \ifnum\XePersian@i = 1
5055 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@per
5056 \else
5057 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5058 \fi
5059 \newcommand*{\persiantoday}{\%
5060 \number\XePersian@d\space%
5061 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5062 }
5063 \let\persianyear\XePersian@y
5064 \let\persianmonth\XePersian@m
5065 \let\persianday\XePersian@d
5066 \def\XePersian@persian@month#1{\ifcase#1\or or\
5067 or\
5068 or\ or\
5069 or\
5070 or\ or\
5071 or\ or\
5072 or\ or\
5073 \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>	123
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.	93

