



# The XePersian *Package*

Source documentation for version 25.3

to my Master, *Ferdowsi The Great*

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<https://github.com/xepersian/xepersian/issues>

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/xepersian/xepersian/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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# The XePersian *Package*

## Persian for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, using XeT<sub>E</sub>X engine

Source documentation for [version 25.3](#)

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## 1 File 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}

```

## 2 File 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}

```

## 3 File amsart-xepersian.def

```

8 \ProvidesFile{amsart-xepersian.def}[2017/02/04 v0.4 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

```

## 4 File amsbook-xepersian.def

```

14 \ProvidesFile{amsbook-xepersian.def}[2017/02/04 v0.5 adaptations for amsbook class]
15 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}

```



```

16 \renewcommand \thepart {\@tartibi\c@part}
17 \def\appendix{\par
18   \c@chapter\z@ \c@section\z@
19   \let\chaptername\appendixname
20   \def\thechapter{\@harfi\c@chapter}}
21
22

```

## 5 File appendix-xepersian.def

```

23 \ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
24 \renewcommand{\@resets@pp}{\par
25   \@ppsavesec
26   \stepcounter{@pps}
27   \setcounter{section}{0}%
28   \if@chapter@pp
29     \setcounter{chapter}{0}%
30     \renewcommand\@chapapp{\appendixname}%
31     \renewcommand\thechapter{\@harfi\c@chapter}%
32   \else
33     \setcounter{subsection}{0}%
34     \renewcommand\thesection{\@harfi\c@section}%
35   \fi
36   \restoreapp
37 }

```

## 6 File article-xepersian.def

```

38 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]
39 \renewcommand \thepart {\@tartibi\c@part}
40 \renewcommand\appendix{\par
41   \setcounter{section}{0}%
42   \setcounter{subsection}{0}%
43   \gdef\thesection{\@harfi\c@section}}

```

## 7 File artikel1-xepersian.def

```

44 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
45 \renewcommand*\thepart{\@tartibi\c@part}
46 \renewcommand*\appendix{\par
47   \setcounter{section}{0}%
48   \setcounter{subsection}{0}%
49   \gdef\thesection{\@harfi\c@section}}

```

## 8 File artikel2-xepersian.def

```

50 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
51 \renewcommand*\thepart{\@tartibi\c@part}
52 \renewcommand*\appendix{\par
53   \setcounter{section}{0}%
54   \setcounter{subsection}{0}%
55   \gdef\thesection{\@harfi\c@section}}

```

## 9 File artikel3-xepersian.def



```

56 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
57 \renewcommand*\thepart{\@tartibi\c@part}
58 \renewcommand*\appendix{\par
59   \setcounter{section}{0}%
60   \setcounter{subsection}{0}%
61   \gdef\thesection{\@harfi\c@section}}

```

## 10 File backref-xepersian.def

```

62 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
63 \def\backrefpagesname{\if@RTL else\   pages\fi}
64 \def\BR@Latincitex[#1]#2{%
65   \BRorg@Latincitex[{#1}]{#2}%
66   \ifBR@verbose
67     \PackageInfo{backref}{back Latin cite \string`#2\string'}%
68   \fi
69   \Hy@backout{#2}%
70 }
71 \AtBeginDocument{%
72   \ifundefined{NAT@parse}{%
73     \global\let\BRorg@Latincitex\@Latincitex
74     \global\let\@Latincitex\BR@Latincitex
75   }{%
76     \ifpackageloaded{hyperref}{%
77       \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
78     }%
79     \PackageInfo{backref}{** backref set up for natbib **}%
80   }%
81 }%

```

## 11 File beamer-xepersian.def

```

82 \ProvidesFile{beamer-xepersian.def}[2022/06/27 v0.2 xepersian changes to beamer class]
83 \usefonttheme[stillsansserifmath]{serif}
84
85 \renewcommand*\{\bidi@beamer@today}{%
86 \the\persianyear-\ifnum\persianmonth<10\relax0\fi\the\persianmonth-\ifnum\persianday<10\relax0\fi}
87
88

```

## 12 File beamerbasetranslator-xepersian.def

```

89 \ProvidesFile{beamerbasetranslator-xepersian.def}[2022/06/27 v0.3 xepersian changes to beamer class]
90 \newcommand*\{\ProvidePersianTranslation}[2]{%
91   \providetranslation{#1}{\ifRtoL{#2}{#1}}%
92 }
93
94 \ProvidePersianTranslation{Corollary}{  }
95 \ProvidePersianTranslation{Definition}{  }
96 \ProvidePersianTranslation{Definitions}{  }
97 \ProvidePersianTranslation{Example}{  }
98 \ProvidePersianTranslation{Examples}{  }
99 \ProvidePersianTranslation{Fact}{  }
100 \ProvidePersianTranslation{From?}{  }

```



```

101 \ProvidePersianTranslation{Lemma}{ }
102 \ProvidePersianTranslation{Problem}{ }
103 \ProvidePersianTranslation{Section}{ }
104 \ProvidePersianTranslation{Solution}{ }
105 \ProvidePersianTranslation{Subsection}{ }
106 \ProvidePersianTranslation{Theorem}{ }
107 \ProvidePersianTranslation{When?}{ }
108 \ProvidePersianTranslation{Who?}{ }
109
110

```

### 13 File bidityftesidenote-xepersian.def

```

111 \ProvidesFile{bidityftesidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidityft
112
113 \setLTRcitationfont{\resetlatinfont\footnotesize}
114
115 \renewcommand*{\@bidityftesidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
116
117 \renewcommand*{\@bidityftesidenote@RTLmarginfont}{\setpersianfont\footnotesize}
118
119

```

### 14 File bidimoderncv-xepersian.def

```

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

```

### 15 File boek3-xepersian.def

```

122 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
123 \renewcommand*\thepart{\@tartibi\c@part}
124 \renewcommand*\frontmatter{%
125   \cleardoublepage
126   \@mainmatterfalse
127   \pagenumbering{harfi}}
128 \renewcommand*\appendix{\par
129   \setcounter{chapter}{0}%
130   \setcounter{section}{0}%
131   \gdef\@chapapp{\appendixname}%
132   \gdef\thechapter{\@harfi\c@chapter}}

```

### 16 File boek-xepersian.def

```

133 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
134 \renewcommand*\thepart{\@tartibi\c@part}
135 \renewcommand*\frontmatter{%
136   \cleardoublepage
137   \@mainmatterfalse
138   \pagenumbering{harfi}}
139 \renewcommand*\appendix{\par
140   \setcounter{chapter}{0}%
141   \setcounter{section}{0}%
142   \gdef\@chapapp{\appendixname}%

```



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

## 17 File bookest-xepersian.def

```
144 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
145 \renewcommand \thepart {\@tartibi\c@part}
146 \renewcommand\appendix{\par
147 \setcounter{chapter}{0}%
148 \setcounter{section}{0}%
149 \gdef\@chapapp{\appendixname}%
150 \gdef\thechapter{\@harfi\c@chapter}
151 }%end appendix
```

## 18 File book-xepersian.def

```
152 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
153 \renewcommand\frontmatter{%
154 \cleardoublepage
155 \@mainmatterfalse
156 \pagenumbering{harfi}}
157 \renewcommand \thepart {\@tartibi\c@part}
158 \renewcommand\appendix{\par
159 \setcounter{chapter}{0}%
160 \setcounter{section}{0}%
161 \gdef\@chapapp{\appendixname}%
162 \gdef\thechapter{\@harfi\c@chapter}
163 }%end appendix
```

## 19 File breqn-xepersian.def

```
164 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
165 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
166 \everydisplay\expandafter{\the\everydisplay \display@setup}%
167 \if@noskipsec \leavevmode \fi
168 \if@inlabel \leavevmode \global\@inlabelfalse \fi
169 \if\eq@group\else\eq@prelim\fi
170 \setkeys{breqn}{#1}%
171 \the\eqstyle
172 \eq@setnumber
173 \begingroup
174 \eq@setup@a
175 \eq@startup
176 }
177 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
178 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
179 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
180 \global\let\GRP@label\@empty
181 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
182 \global\grp@linewidth\z@\global\grp@wdNum\z@
183 \global\let\grp@eqs@numbered\@False
184 \global\let\grp@aligned\@True
185 \global\let\grp@shiftnumber\@False
186 \eq@prelim
187 \setkeys{breqn}{#1}%
```



```

188 \if\grp@hasNumber \grp@setnumber \fi
189 }
190 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
191 \let\display@setup\dseries@display@setup
192 % Question: should this be the default for dseries???
193 \global\eq@wdCond\z@
194 \@dmath[layout={M},#1]%
195 \mathsurround\z@\@math \penalty\@Mi
196 \let\endmath\ends@math
197 \def\premath{%
198 \ifdim\lastskip<.3em \unskip
199 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
200 }%
201 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
202 \ignorespaces
203 }

```

## 20 File latex-localise-commands-xepersian.def

```

204 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of
205 \eqcommand{ }{@arstrut}
206 \eqcommand{ }{above}
207 \eqcommand{ }{abovedisplayshortskip}
208 \eqcommand{ }{abovedisplayskip}
209 \eqcommand{ }{abstractname}
210 \eqcommand{ }{accent}
211 \eqcommand{ }{active}
212 \eqcommand{ }{addcontentsline}
213 \eqcommand{ }{addpenalty}
214 \eqcommand{ }{address}
215 \eqcommand{ }{addtocontents}
216 \eqcommand{ }{addtocounter}
217 \eqcommand{ }{addtolength}
218 \eqcommand{ }{addvspace}
219 \eqcommand{ }{adjdemerits}
220 \eqcommand{ }{advance}
221 \eqcommand{ }{afterassignment}
222 \eqcommand{ }{aftergroup}
223 \eqcommand{ }{aleph}
224 \eqcommand{ }{aliasfontfeature}
225 \eqcommand{ }{aliasfontfeatureoption}
226 \eqcommand{ }{allowbreak}
227 \eqcommand{ @}{alloc@}
228 \eqcommand{ }{allocationnumber}
229 \eqcommand{ }{allowdisplaybreaks}
230 \eqcommand{ }{Alph}
231 \eqcommand{ }{alph}
232 \eqcommand{ }{alsoname}
233 \eqcommand{ }{and}
234 \eqcommand{ }{angle}
235 \eqcommand{ }{appendixname}
236 \eqcommand{ }{approx}
237 \eqcommand{ }{arabic}
238 \eqcommand{ }{arg}

```





```

239 \eqcommand{    }\{arrayrulecolor\}
240 \eqcommand{    }\{arraycolsep\}
241 \eqcommand{    }\{arrayrulewidth\}
242 \eqcommand{    }\{arraystretch\}
243 \eqcommand{    }\{AtBeginDocument\}
244 \eqcommand{    }\{AtEndDocument\}
245 \eqcommand{    }\{AtEndOfClass\}
246 \eqcommand{    }\{AtEndOfPackage\}
247 \eqcommand{    }\{author\}
248 \eqcommand{    }\{backmatter\}
249 \eqcommand{    }\{backslash\}
250 \eqcommand{    }\{badness\}
251 \eqcommand{    }\{bar\}
252 \eqcommand{    }\{baselineskip\}
253 \eqcommand{    }\{baselinestretch\}
254 \eqcommand{    }\{batchmode\}
255 \eqcommand{    }\{begin\}
256 \eqcommand{    }\{beginL\}
257 \eqcommand{    }\{beginR\}
258 \eqcommand{    }\{begingroup\}
259 \eqcommand{    }\{belowdisplayshortskip\}
260 \eqcommand{    }\{belowdisplayskip\}
261 \eqcommand{    }\{bf\}
262 \eqcommand{    }\{bfdefault\}
263 \eqcommand{    }\{bfseries\}
264 \eqcommand{    }\{bgroup\}
265 \eqcommand{    }\{bibitem\}
266 \eqcommand{    }\{bibliography\}
267 \eqcommand{    }\{bibliographystyle\}
268 \eqcommand{    }\{bibname\}
269 \eqcommand{    }\{bigskip\}
270 \eqcommand{    }\{bigskipamount\}
271 \eqcommand{    }\{botfigrule\}
272 \eqcommand{    }\{botmark\}
273 \eqcommand{    }\{bottompageskip\}
274 \eqcommand{    }\{bottomfraction\}
275 \eqcommand{    }\{box\}
276 \eqcommand{    }\{boxmaxdepth\}
277 \eqcommand{    }\{break\}
278 \eqcommand{    }\{bullet\}
279 \eqcommand{ @ }\{@cclv\}
280 \eqcommand{ @ }\{@cclvi\}
281 \eqcommand{    }\{caption\}
282 \eqcommand{    }\{catcode\}
283 \eqcommand{    }\{cc\}
284 \eqcommand{    }\{ccname\}
285 \eqcommand{    }\{cdot\}
286 \eqcommand{    }\{cdots\}
287 \eqcommand{    }\{centering\}
288 \eqcommand{    }\{centerline\}
289 \eqcommand{ @ }\{ch@ck\}
290 \eqcommand{    }\{chapter\}
291 \eqcommand{    }\{chaptername\}
292 \eqcommand{    }\{char\}

```



```

293 \eqcommand{      }\{chardef\}
294 \eqcommand{      }\{CheckCommand\}
295 \eqcommand{      }\{cite\}
296 \eqcommand{      }\{ClassError\}
297 \eqcommand{      }\{ClassInfo\}
298 \eqcommand{      }\{ClassWarning\}
299 \eqcommand{      }\{ClassWarningNoLine\}
300 \eqcommand{      }\{cleaders\}
301 \eqcommand{      }\{cleardoublepage\}
302 \eqcommand{      }\{clearpage\}
303 \eqcommand{      }\{cline\}
304 \eqcommand{      }\{closein\}
305 \eqcommand{      }\{closeout\}
306 \eqcommand{      }\{closing\}
307 \eqcommand{      }\{clubpenalty\}
308 \eqcommand{      }\{clubsuit\}
309 \eqcommand{      }\{colbotmark\}
310 \eqcommand{      }\{colfirstmark\}
311 \eqcommand{      }\{color\}
312 \eqcommand{      }\{colorbox\}
313 \eqcommand{      }\{coltopmark\}
314 \eqcommand{      }\{columncolor\}
315 \eqcommand{      }\{columnsep\}
316 \eqcommand{      }\{columnwidth\}
317 \eqcommand{      }\{columnseprule\}
318 \eqcommand{      }\{contentsline\}
319 \eqcommand{      }\{contentsname\}
320 \eqcommand{      }\{copy\}
321 \eqcommand{      }\{copyright\}
322 \eqcommand{      }\{count\}
323 \eqcommand{      }\{@\{count@\}
324 \eqcommand{      }\{countdef\}
325 \eqcommand{      }\{cr\}
326 \eqcommand{      }\{crrcr\}
327 \eqcommand{      }\{csname\}
328 \eqcommand{      }\{CurrentOption\}
329 \eqcommand{      }\{dashbox\}
330 \eqcommand{      }\{dashv\}
331 \eqcommand{@      }\{@date\}
332 \eqcommand{      }\{date\}
333 \eqcommand{      }\{day\}
334 \eqcommand{      }\{dblbotfigrule\}
335 \eqcommand{      }\{dblbottomfraction\}
336 \eqcommand{      }\{dblfigrule\}
337 \eqcommand{      }\{dblfloatpagefraction\}
338 \eqcommand{      }\{dblfloatsep\}
339 \eqcommand{      }\{dblfnfloatcode\}
340 \eqcommand{      }\{dbltextfloatsep\}
341 \eqcommand{      }\{dbltopfraction\}
342 \eqcommand{      }\{DeclareFixedFont\}
343 \eqcommand{      }\{DeclareGraphicsExtensions\}
344 \eqcommand{      }\{DeclareGraphicsRule\}
345 \eqcommand{      }\{DeclareOldFontCommand\}
346 \eqcommand{      }\{DeclareOption\}

```



```

347 \eqcommand{      }{DeclareRobustCommand}
348 \eqcommand{      }{DeclareSymbolFont}
349 \eqcommand{      }{deadcycles}
350 \eqcommand{ }{def}
351 \eqcommand{ @ }{define@key}
352 \eqcommand{      }{definecolor}
353 \eqcommand{ }{deg}
354 \eqcommand{      }{delcode}
355 \eqcommand{      }{delimiter}
356 \eqcommand{      }{delimiterfactor}
357 \eqcommand{ }{depth}
358 \eqcommand{ }{diamondsuit}
359 \eqcommand{ }{dim}
360 \eqcommand{ }{dimen}
361 \eqcommand{ @ }{dimen@}
362 \eqcommand{ @ }{dimen@i}
363 \eqcommand{ @ }{dimen@ii}
364 \eqcommand{      }{dimendef}
365 \eqcommand{      }{discretionary}
366 \eqcommand{      }{displaybreak}
367 \eqcommand{      }{displayindent}
368 \eqcommand{      }{displaystyle}
369 \eqcommand{      }{displaywidth}
370 \eqcommand{ }{divide}
371 \eqcommand{      }{documentclass}
372 \eqcommand{ }{do}
373 \eqcommand{      }{dospecials}
374 \eqcommand{ }{dot}
375 \eqcommand{      }{doteq}
376 \eqcommand{      }{dotfill}
377 \eqcommand{ }{dots}
378 \eqcommand{      }{doublebox}
379 \eqcommand{      }{doublerulesepcolor}
380 \eqcommand{      }{doublerulesep}
381 \eqcommand{      }{downarrow}
382 \eqcommand{ }{dp}
383 \eqcommand{ }{dump}
384 \eqcommand{ }{edef}
385 \eqcommand{      }{egroup}
386 \eqcommand{      }{eject}
387 \eqcommand{ }{else}
388 \eqcommand{ }{em}
389 \eqcommand{      }{emergencystretch}
390 \eqcommand{ }{emph}
391 \eqcommand{@ }{@empty}
392 \eqcommand{ }{empty}
393 \eqcommand{      }{emptyset}
394 \eqcommand{ }{end}
395 \eqcommand{      }{endL}
396 \eqcommand{      }{endR}
397 \eqcommand{      }{endcsname}
398 \eqcommand{      }{endfirsthead}
399 \eqcommand{      }{endfoot}
400 \eqcommand{      }{endgraf}

```



```

401 \eqcommand{    }\{endgroup\}
402 \eqcommand{    }\{endhead\}
403 \eqcommand{    }\{endinput\}
404 \eqcommand{    }\{endlastfoot\}
405 \eqcommand{    }\{enlargethispage\}
406 \eqcommand{    }\{endline\}
407 \eqcommand{    }\{endlinechar\}
408 \eqcommand{    }\{enspace\}
409 \eqcommand{    }\{enskip\}
410 \eqcommand{    }\{eqcommand\}
411 \eqcommand{    }\{eqenvironment\}
412 \eqcommand{    }\{eqref\}
413 \eqcommand{    }\{errhelp\}
414 \eqcommand{    }\{errmessage\}
415 \eqcommand{    }\{errorcontextlines\}
416 \eqcommand{    }\{errorstopmode\}
417 \eqcommand{    }\{escapechar\}
418 \eqcommand{    }\{euro\}
419 \eqcommand{    }\{evensidemargin\}
420 \eqcommand{    }\{everycr\}
421 \eqcommand{    }\{everydisplay\}
422 \eqcommand{    }\{everyhbox\}
423 \eqcommand{    }\{everyjob\}
424 \eqcommand{    }\{everymath\}
425 \eqcommand{    }\{everypar\}
426 \eqcommand{    }\{everyvbox\}
427 \eqcommand{    }\{ExecuteOptions\}
428 \eqcommand{    }\{exhyphenpenalty\}
429 \eqcommand{    }\{expandafter\}
430 \eqcommand{    }\{extracolsep\}
431 \eqcommand{@    }\{@firstofone\}
432 \eqcommand{@    }\{@firstoftwo\}
433 \eqcommand{ @ }\{f@ur\}
434 \eqcommand{    }\{fam\}
435 \eqcommand{    }\{fancypage\}
436 \eqcommand{    }\{fbox\}
437 \eqcommand{    }\{fboxrule\}
438 \eqcommand{    }\{fboxsep\}
439 \eqcommand{    }\{fcolorbox\}
440 \eqcommand{    }\{fi\}
441 \eqcommand{    }\{figurename\}
442 \eqcommand{    }\{filbreak\}
443 \eqcommand{    }\{fill\}
444 \eqcommand{    }\{firstmark\}
445 \eqcommand{    }\{flat\}
446 \eqcommand{    }\{floatpagefraction\}
447 \eqcommand{    }\{floatingpenalty\}
448 \eqcommand{    }\{floatsep\}
449 \eqcommand{    }\{flushbottom\}
450 \eqcommand{    }\{fmtname\}
451 \eqcommand{    }\{fmtversion\}
452 \eqcommand{    }\{fnsymbol\}
453 \eqcommand{    }\{font\}
454 \eqcommand{    }\{fontdimen\}

```



```

455 \eqcommand{      }{fontencoding}
456 \eqcommand{      }{fontfamily}
457 \eqcommand{      }{fontname}
458 \eqcommand{      }{fontseries}
459 \eqcommand{      }{fontshape}
460 \eqcommand{      }{fontsize}
461 \eqcommand{      }{footheight}
462 \eqcommand{      }{footins}
463 \eqcommand{      }{footnote}
464 \eqcommand{      }{footnotemark}
465 \eqcommand{      }{footnoterule}
466 \eqcommand{      }{footnotesep}
467 \eqcommand{      }{footnotesize}
468 \eqcommand{      }{footnotetext}
469 \eqcommand{      }{footskip}
470 \eqcommand{ }{frame}
471 \eqcommand{      }{framebox}
472 \eqcommand{      }{frenchspacing}
473 \eqcommand{      }{frontmatter}
474 \eqcommand{      }{futurelet}
475 \eqcommand{@      }{@gobble}
476 \eqcommand{@      }{@gobbletwo}
477 \eqcommand{@      }{@gobblefour}
478 \eqcommand{@      }{@gtempa}
479 \eqcommand{@      }{@gtempb}
480 \eqcommand{ }{gdef}
481 \eqcommand{      }{GenericInfo}
482 \eqcommand{      }{GenericWarning}
483 \eqcommand{      }{GenericError}
484 \eqcommand{ }{global}
485 \eqcommand{      }{globaldefs}
486 \eqcommand{      }{glossary}
487 \eqcommand{      }{glossaryentry}
488 \eqcommand{      }{goodbreak}
489 \eqcommand{      }{graphpaper}
490 \eqcommand{      }{guillemotleft}
491 \eqcommand{      }{guillemotright}
492 \eqcommand{      }{guilsinglleft}
493 \eqcommand{      }{guilsinglright}
494 \eqcommand{ }{halign}
495 \eqcommand{ }{hang}
496 \eqcommand{      }{hangafter}
497 \eqcommand{      }{hangindent}
498 \eqcommand{      }{hbadness}
499 \eqcommand{ }{hbox}
500 \eqcommand{      }{headheight}
501 \eqcommand{      }{headsep}
502 \eqcommand{      }{headtoname}
503 \eqcommand{ }{heartsuit}
504 \eqcommand{      }{height}
505 \eqcommand{ }{hfil}
506 \eqcommand{      }{hfill}
507 \eqcommand{      }{hfilneg}
508 \eqcommand{      }{hfuzz}

```



```

509 \eqcommand{    }\{hideskip\}
510 \eqcommand{    }\{hidewidth\}
511 \bidi@csletcs{ }\{hline\}% this is an exception
512 \eqcommand{    }\{hoffset\}
513 \eqcommand{    }\{holdinginserts\}
514 \eqcommand{    }\{hrboxsep\}
515 \eqcommand{ }\{hrule\}
516 \eqcommand{ }\{hrulefill\}
517 \eqcommand{ }\{hsize\}
518 \eqcommand{ }\{hskip\}
519 \eqcommand{ }\{hspace\}
520 \eqcommand{ }\{hss\}
521 \eqcommand{ }\{ht\}
522 \eqcommand{ }\{huge\}
523 \eqcommand{ }\{Huge\}
524 \eqcommand{    }\{hyperlink\}
525 \eqcommand{    }\{hypersetup\}
526 \eqcommand{ }\{hypertarget\}
527 \eqcommand{ }\{hyphenation\}
528 \eqcommand{ }\{hyphenchar\}
529 \eqcommand{    }\{hyphenpenalty\}
530 \eqcommand{@    }\{@ifclassloaded\}
531 \eqcommand{@    }\{@ifdefinable\}
532 \eqcommand{@    }\{@ifnextchar\}
533 \eqcommand{@    }\{@ifpackageloaded\}
534 \eqcommand{@    }\{@ifstar\}
535 \eqcommand{@    }\{@ifundefined\}
536 \eqcommand{ }\{if\}
537 \eqcommand{ @ }\{if@tempswa\}
538 \eqcommand{    }\{ifcase\}
539 \eqcommand{    }\{ifcat\}
540 \eqcommand{    }\{ifdefined\}
541 \eqcommand{    }\{ifdim\}
542 \eqcommand{    }\{ifeof\}
543 \eqcommand{ }\{iff\}
544 \eqcommand{    }\{iffalse\}
545 \eqcommand{    }\{IfFileExists\}
546 \eqcommand{    }\{ifhbox\}
547 \eqcommand{    }\{ifhmode\}
548 \eqcommand{    }\{ifinner\}
549 \eqcommand{    }\{ifmmode\}
550 \eqcommand{ }\{ifnum\}
551 \eqcommand{ }\{ifodd\}
552 \eqcommand{    }\{ifthenelse\}
553 \eqcommand{    }\{iftrue\}
554 \eqcommand{    }\{ifvbox\}
555 \eqcommand{    }\{ifvmode\}
556 \eqcommand{ }\{ifvoid\}
557 \eqcommand{ }\{ifx\}
558 \eqcommand{    }\{ignorespaces\}
559 \eqcommand{ }\{immediate\}
560 \eqcommand{ }\{include\}
561 \eqcommand{    }\{includegraphics\}
562 \eqcommand{    }\{includeonly\}

```



```

563 \eqcommand{    }{indent}
564 \eqcommand{    }{index}
565 \eqcommand{    }{indexentry}
566 \eqcommand{    }{indexname}
567 \eqcommand{    }{indexspace}
568 \eqcommand{    }{input}
569 \eqcommand{    }{InputIfFileExists}
570 \eqcommand{    }{inputlineno}
571 \eqcommand{    }{insert}
572 \eqcommand{    }{insertpenalties}
573 \eqcommand{    }{interfootnotelinepenalty}
574 \eqcommand{    }{interdisplaylinepenalty}
575 \eqcommand{    }{interlinepenalty}
576 \eqcommand{    }{intertext}
577 \eqcommand{    }{intertextsep}
578 \eqcommand{    }{invisible}
579 \eqcommand{    }{itdefault}
580 \eqcommand{    }{itshape}
581 \eqcommand{    }{item}
582 \eqcommand{    }{itemindent}
583 \eqcommand{    }{itemsep}
584 \eqcommand{    }{iterate}
585 \eqcommand{    }{itshape}
586 \eqcommand{    }{jobname}
587 \eqcommand{    }{jot}
588 \eqcommand{    }{kern}
589 \eqcommand{    }{kill}
590 \eqcommand{    }{label}
591 \eqcommand{    }{labelenumi}
592 \eqcommand{    }{labelenumii}
593 \eqcommand{    }{labelenumiii}
594 \eqcommand{    }{labelenumiv}
595 \eqcommand{    }{labelitemi}
596 \eqcommand{    }{labelitemii}
597 \eqcommand{    }{labelitemiii}
598 \eqcommand{    }{labelitemiv}
599 \eqcommand{    }{labelsep}
600 \eqcommand{    }{labelwidth}
601 \eqcommand{    }{language}
602 \eqcommand{    }{large}
603 \eqcommand{    }{Large}
604 \eqcommand{    }{LARGE}
605 \eqcommand{    }{lastbox}
606 \eqcommand{    }{lastkern}
607 \eqcommand{    }{lastpenalty}
608 \eqcommand{    }{lastskip}
609 \eqcommand{    }{LaTeX}
610 \eqcommand{    }{LaTeXe}
611 \eqcommand{    }{lccode}
612 \eqcommand{    }{ldots}
613 \eqcommand{    }{leaders}
614 \eqcommand{    }{leavevmode}
615 \eqcommand{    }{left}
616 \eqcommand{    }{leftmargin}

```



```

617 \eqcommand{    }\leftmargini}
618 \eqcommand{    }\leftmarginii}
619 \eqcommand{    }\leftmarginiii}
620 \eqcommand{    }\leftmarginiv}
621 \eqcommand{    }\leftmarginv}
622 \eqcommand{    }\leftmarginvi}
623 \eqcommand{    }\leftmark}
624 \eqcommand{    }\leftpageskip}
625 \eqcommand{    }\leftskip}
626 \eqcommand{    }\let}
627 \eqcommand{    }\line}
628 \eqcommand{    }\linebreak}
629 \eqcommand{    }\linepenalty}
630 \eqcommand{    }\lineskip}
631 \eqcommand{    }\lineskiplimit}
632 \eqcommand{    }\linespread}
633 \eqcommand{    }\linethickness}
634 \eqcommand{    }\linewidth}
635 \eqcommand{    }\listfigurename}
636 \eqcommand{    }\listfiles}
637 \eqcommand{    }\listoffigures}
638 \eqcommand{    }\listoftables}
639 \eqcommand{    }\listparindent}
640 \eqcommand{    }\listtablename}
641 \eqcommand{    }\LoadClass}
642 \eqcommand{    }\LoadClassWithOptions}
643 \eqcommand{    }\location}
644 \eqcommand{    }\long}
645 \eqcommand{    }\looseness}
646 \eqcommand{    }\lower}
647 \eqcommand{@    }\@makeother}
648 \eqcommand{@    }\@m}
649 \eqcommand{ @    }\@M}
650 \eqcommand{ @    }\@Mi}
651 \eqcommand{ @    }\@Mii}
652 \eqcommand{ @    }\@Miii}
653 \eqcommand{ @    }\@Miv}
654 \eqcommand{ @    }\@MM}
655 \eqcommand{ @    }\@m@ne}
656 \eqcommand{    }\mag}
657 \eqcommand{    }\magstep}
658 \eqcommand{    }\magstephalf}
659 \eqcommand{    }\mainmatter}
660 \eqcommand{    }\makeatletter}
661 \eqcommand{    }\makeatother}
662 \eqcommand{    }\makebox}
663 \eqcommand{    }\makeglossary}
664 \eqcommand{    }\makeindex}
665 \eqcommand{    }\makelabel}
666 \eqcommand{    }\makelabels}
667 \eqcommand{    }\MakeLowercase}
668 \eqcommand{    }\maketitle}
669 \eqcommand{    }\MakeUppercase}
670 \eqcommand{    }\marginpar}

```





```

671 \eqcommand{      }\{marginparpush\}
672 \eqcommand{      }\{marginparsep\}
673 \eqcommand{      }\{marginparwidth\}
674 \eqcommand{      }\{mark\}
675 \eqcommand{      }\{markboth\}
676 \eqcommand{      }\{markright\}
677 \eqcommand{      }\{mathaccent\}
678 \eqcommand{      }\{mathchar\}
679 \eqcommand{      }\{mathchardef\}
680 \eqcommand{      }\{mathcode\}
681 \eqcommand{      }\{mathrm\}
682 \eqcommand{      }\{maxdeadcycles\}
683 \eqcommand{      }\{maxdepth\}
684 \eqcommand{      }\{maxdimen\}
685 \eqcommand{      }\{mbox\}
686 \eqcommand{      }\{mdseries\}
687 \eqcommand{      }\{meaning\}
688 \eqcommand{      }\{mediumseries\}
689 \eqcommand{      }\{medmuskip\}
690 \eqcommand{      }\{medskip\}
691 \eqcommand{      }\{medskipamount\}
692 \eqcommand{      }\{medspace\}
693 \eqcommand{      }\{message\}
694 \eqcommand{      }\{MessageBreak\}
695 \eqcommand{      }\{minrowclearance\}
696 \eqcommand{      }\{mkern\}
697 \eqcommand{      }\{month\}
698 \eqcommand{      }\{moveleft\}
699 \eqcommand{      }\{moveright\}
700 \eqcommand{      }\{mskip\}
701 \eqcommand{ @ }\{m@th\}
702 \eqcommand{      }\{multicolumn\}
703 \eqcommand{      }\{multiply\}
704 \eqcommand{      }\{multispan\}
705 \eqcommand{      }\{muskip\}
706 \eqcommand{      }\{muskipdef\}
707 \eqcommand{@ }\{@namedef\}
708 \eqcommand{@ }\{@nameuse\}
709 \eqcommand{ @ }\{@ne\}
710 \eqcommand{      }\{name\}
711 \eqcommand{      }\{natural\}
712 \eqcommand{      }\{nearrow\}
713 \eqcommand{      }\{nearrower\}
714 \eqcommand{      }\{NeedsTeXFormat\}
715 \eqcommand{      }\{neg\}
716 \eqcommand{      }\{negmedspace\}
717 \eqcommand{      }\{negthickspace\}
718 \eqcommand{      }\{negthinspace\}
719 \eqcommand{      }\{newboolean\}
720 \eqcommand{      }\{newbox\}
721 \eqcommand{      }\{newcommand\}
722 \eqcommand{      }\{newcount\}
723 \eqcommand{      }\{newcounter\}
724 \eqcommand{      }\{newdimen\}

```



```

725 \eqcommand{ }{newenvironment}
726 \eqcommand{ }{newfam}
727 \eqcommand{ }{newfont}
728 \eqcommand{ }{newhelp}
729 \eqcommand{ }{newinsert}
730 \eqcommand{ }{newlabel}
731 \eqcommand{ }{newlength}
732 \eqcommand{ }{newline}
733 \eqcommand{ }{newlinechar}
734 \eqcommand{ }{newmuskip}
735 \eqcommand{ }{newpage}
736 \eqcommand{ }{newread}
737 \eqcommand{ }{newsavebox}
738 \eqcommand{ }{newskip}
739 \eqcommand{ }{newtheorem}
740 \eqcommand{ }{newtoks}
741 \eqcommand{ }{newwrite}
742 \eqcommand{ }{noalign}
743 \eqcommand{ }{nobreak}
744 \eqcommand{ }{nobreakspace}
745 \eqcommand{ }{nocite}
746 \eqcommand{ }{noexpand}
747 \eqcommand{ }{nofiles}
748 \eqcommand{ }{noindent}
749 \eqcommand{ }{nointerlineskip}
750 \eqcommand{ }{nolimits}
751 \eqcommand{ }{nolinebreak}
752 \eqcommand{ }{nonstopmode}
753 \eqcommand{ }{nonfrenchspacing}
754 \eqcommand{ }{nonumber}
755 \eqcommand{ }{nopagebreak}
756 \eqcommand{ }{normalbaselines}
757 \eqcommand{ }{normalbaselineskip}
758 \eqcommand{ }{normalcolor}
759 \eqcommand{ }{normalfont}
760 \eqcommand{ }{normallineskip}
761 \eqcommand{ }{normallineskiplimit}
762 \eqcommand{ }{normalmarginpar}
763 \eqcommand{ }{normalsize}
764 \eqcommand{ }{notag}
765 \eqcommand{ }{null}
766 \eqcommand{ }{nullfont}
767 \eqcommand{ }{number}
768 \eqcommand{ }{numberline}
769 \eqcommand{ }{numberwithin}
770 \eqcommand{ }{@evenfoot}
771 \eqcommand{ }{@evenhead}
772 \eqcommand{ }{@oddfoot}
773 \eqcommand{ }{@oddhead}
774 \eqcommand{ }{@outeqntrue}
775 \eqcommand{ }{@outeqnfalse}
776 \eqcommand{ }{obeylines}
777 \eqcommand{ }{obeyspaces}
778 \eqcommand{ }{oddsidemargin}

```



```

779 \eqcommand{      }{offinterlineskip}
780 \eqcommand{ }{omit}
781 \eqcommand{@      }{@onlypreamble}
782 \eqcommand{      }{onecolumn}
783 \eqcommand{      }{onlynotes}
784 \eqcommand{      }{onlyslides}
785 \eqcommand{      }{openin}
786 \eqcommand{      }{openout}
787 \eqcommand{      }{OptionNotUsed}
788 \eqcommand{ }{or}
789 \eqcommand{      }{outer}
790 \eqcommand{      }{output}
791 \eqcommand{      }{outputpenalty}
792 \eqcommand{      }{overfullrule}
793 \eqcommand{@      }{@preamblecmds}
794 \eqcommand{@ }{p@}
795 \eqcommand{      }{PackageError}
796 \eqcommand{      }{PackageInfo}
797 \eqcommand{      }{PackageWarning}
798 \eqcommand{      }{PackageWarningNoLine}
799 \eqcommand{      }{pagebreak}
800 \eqcommand{      }{pagecolor}
801 \eqcommand{      }{pagedepth}
802 \eqcommand{      }{pagefilllstretch}
803 \eqcommand{      }{pagefillstretch}
804 \eqcommand{      }{pagefilstretch}
805 \eqcommand{      }{pagegoal}
806 \eqcommand{      }{pagename}
807 \eqcommand{      }{pagenumbering}
808 \eqcommand{      }{pageref}
809 \eqcommand{      }{pagerulewidth}
810 \eqcommand{      }{pageshrink}
811 \eqcommand{      }{pagestretch}
812 \eqcommand{      }{pagestyle}
813 \eqcommand{      }{pagetotal}
814 \eqcommand{      }{paperheight}
815 \eqcommand{      }{paperwidth}
816 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstan
817 \eqcommand{      }{paragraph}
818 \eqcommand{ }{parallel}
819 \eqcommand{      }{parbox}
820 \eqcommand{      }{parfillskip}
821 \eqcommand{      }{parindent}
822 \eqcommand{      }{parsep}
823 \eqcommand{      }{parshape}
824 \eqcommand{      }{parskip}
825 \eqcommand{ }{part}
826 \eqcommand{      }{partname}
827 \eqcommand{      }{partopsep}
828 \eqcommand{      }{PassOptionToClass}
829 \eqcommand{      }{PassOptionToPackage}
830 \eqcommand{ }{path}
831 \eqcommand{      }{patterns}
832 \eqcommand{ }{pausing}

```



```

833 \eqcommand{ }{penalty}
834 \eqcommand{ }{phantom}
835 \eqcommand{ }{poptabs}
836 \eqcommand{ }{postdisplaypenalty}
837 \eqcommand{ }{predisplaydirection}
838 \eqcommand{ }{predisdisplaypenalty}
839 \eqcommand{ }{predisplaysize}
840 \eqcommand{ }{pretolerance}
841 \eqcommand{ }{prevdepth}
842 \eqcommand{ }{prevgraf}
843 \eqcommand{ }{printindex}
844 \eqcommand{ }{ProcessOptions}
845 \eqcommand{ }{protect}
846 \eqcommand{ }{providecommand}
847 \eqcommand{ }{ProvidesClass}
848 \eqcommand{ }{ProvidesFile}
849 \eqcommand{ }{ProvidesPackage}
850 \eqcommand{ }{pushtabs}
851 \eqcommand{ }{quad}
852 \eqcommand{ }{qqquad}
853 \eqcommand{@ }{@outputpagerestore}
854 \eqcommand{ }{radical}
855 \eqcommand{ }{raggedbottom}
856 \eqcommand{ }{raggedleft}
857 \eqcommand{ }{raggedright}
858 \eqcommand{ }{raise}
859 \eqcommand{ }{raisebox}
860 \eqcommand{ }{raisetag}
861 \eqcommand{ }{rangle}
862 \eqcommand{ }{rceil}
863 \eqcommand{ }{read}
864 \eqcommand{ }{ref}
865 \eqcommand{ }{reflectbox}
866 \eqcommand{ }{refname}
867 \eqcommand{ }{refstepcounter}
868 \eqcommand{ }{relax}
869 \eqcommand{ }{removelastskip}
870 \eqcommand{ }{renewcommand}
871 \eqcommand{ }{renewenvironment}
872 \eqcommand{ }{RequirePackage}
873 \eqcommand{ }{RequirePackageWithOptions}
874 \eqcommand{ }{resizebox}
875 \eqcommand{ }{reversemarginpar}
876 \eqcommand{ }{rfloor}
877 \eqcommand{ }{right}
878 \eqcommand{ }{rightmargin}
879 \eqcommand{ }{rightmark}
880 \eqcommand{ }{rightpageskip}
881 \eqcommand{ }{rightskip}
882 \eqcommand{ }{rmdefault}
883 \eqcommand{ }{rmfamily}
884 \eqcommand{ }{Roman}
885 \eqcommand{ }{roman}
886 \eqcommand{ }{romannumeral}

```



```

887 \eqcommand{    }{rotatebox}
888 \eqcommand{    }{rowcolor}
889 \eqcommand{ }{rule}
890 \eqcommand{@    }{@secondoftwo}
891 \eqcommand{@    }{@spaces}
892 \eqcommand{    }{samepage}
893 \eqcommand{    }{savebox}
894 \eqcommand{    }{sbox}
895 \eqcommand{    }{scalebox}
896 \eqcommand{    }{scdefault}
897 \eqcommand{    }{scshape}
898 \eqcommand{    }{setkeys}
899 \eqcommand{    }{scriptfont}
900 \eqcommand{    }{scriptscriptfont}
901 \eqcommand{    }{scriptscriptstyle}
902 \eqcommand{    }{scriptsize}
903 \eqcommand{    }{scripstyle}
904 \eqcommand{    }{scrollmode}
905 \eqcommand{ }{section}
906 \eqcommand{    }{secdef}
907 \eqcommand{    }{see}
908 \eqcommand{    }{seealso}
909 \eqcommand{    }{seename}
910 \eqcommand{    }{selectfont}
911 \eqcommand{    }{setboolean}
912 \eqcommand{    }{setbox}
913 \eqcommand{    }{setcounter}
914 \eqcommand{    }{setlength}
915 \eqcommand{    }{setminus}
916 \eqcommand{    }{SetSymbolFont}
917 \eqcommand{    }{settodepth}
918 \eqcommand{    }{settoheight}
919 \eqcommand{    }{settowidth}
920 \eqcommand{    }{sfcode}
921 \eqcommand{    }{sfdefault}
922 \eqcommand{    }{sffamily}
923 \eqcommand{    }{shadowbox}
924 \eqcommand{ }{sharp}
925 \eqcommand{    }{shipout}
926 \eqcommand{    }{shortstack}
927 \eqcommand{    }{show}
928 \eqcommand{    }{showbox}
929 \eqcommand{    }{showboxbreadth}
930 \eqcommand{    }{showboxdepth}
931 \eqcommand{    }{showlists}
932 \eqcommand{    }{showthe}
933 \eqcommand{    }{simplefontmode}
934 \eqcommand{@    }{sixt@n}
935 \eqcommand{    }{skewchar}
936 \eqcommand{    }{skip}
937 \eqcommand{@    }{skip@}
938 \eqcommand{    }{skipdef}
939 \eqcommand{    }{sl}
940 \eqcommand{    }{sldefault}

```



```

941 \eqcommand{      }\{slshape\}
942 \eqcommand{      }\{sloppy\}
943 \eqcommand{      }\{slshape\}
944 \eqcommand{      }\{small\}
945 \eqcommand{      }\{smallskip\}
946 \eqcommand{      }\{smallskipamount\}
947 \eqcommand{      }\{smash\}
948 \eqcommand{      }\{smile\}
949 \eqcommand{      }\{snlftlocatcode\}
950 \eqcommand{      }\{space\}
951 \eqcommand{      }\{spacefactor\}
952 \eqcommand{      }\{spaceskip\}
953 \eqcommand{      }\{spadesuit\}
954 \eqcommand{      }\{span\}
955 \eqcommand{      }\{special\}
956 \eqcommand{      }\{splitmaxdepth\}
957 \eqcommand{      }\{splittopskip\}
958 \eqcommand{      }\{star\}
959 \eqcommand{      }\{stepcounter\}
960 \eqcommand{      }\{stretch\}
961 \eqcommand{      }\{string\}
962 \eqcommand{      }\{strut\}
963 \eqcommand{      }\{strutbox\}
964 \eqcommand{      }\{subitem\}
965 \eqcommand{      }\{subparagraph\}
966 \eqcommand{      }\{subsection\}
967 \eqcommand{      }\{substack\}
968 \eqcommand{      }\{subsubitem\}
969 \eqcommand{      }\{subsubsection\}
970 \eqcommand{      }\{subset\}
971 \eqcommand{      }\{subseteq\}
972 \eqcommand{      }\{supereject\}
973 \eqcommand{      }\{suppressfloats\}
974 \eqcommand{@      }\{@tempa\}
975 \eqcommand{@      }\{@tempb\}
976 \eqcommand{@      }\{@tempc\}
977 \eqcommand{@      }\{@tempd\}
978 \eqcommand{@      }\{@tempe\}
979 \eqcommand{@      }\{@tempboxa\}
980 \eqcommand{@      }\{@tempcnta\}
981 \eqcommand{@      }\{@tempcntb\}
982 \eqcommand{@      }\{@tempdima\}
983 \eqcommand{@      }\{@tempdimb\}
984 \eqcommand{@      }\{@tempdimc\}
985 \eqcommand{@      }\{@tempskipa\}
986 \eqcommand{@      }\{@tempskipb\}
987 \eqcommand{@      }\{@tempswafalse\}
988 \eqcommand{@      }\{@tempwattrue\}
989 \eqcommand{@      }\{@temptokena\}
990 \eqcommand{      }\{@thefnmark\}
991 \eqcommand{@      }\{@thirdofthree\}
992 \eqcommand{      }\{tabbingsep\}
993 \eqcommand{      }\{tabcolsep\}
994 \eqcommand{      }\{tableofcontents\}

```



```

995 \eqcommand{      }{tablename}
996 \eqcommand{      }{tabskip}
997 \eqcommand{      }{tabularnewline}
998 \eqcommand{      }{tag}
999 \eqcommand{      }{telephone}
1000 \eqcommand{ }{TeX}
1001 \eqcommand{ }{text}
1002 \eqcommand{      }{textbullet}
1003 \eqcommand{      }{textfont}
1004 \eqcommand{      }{textemdash}
1005 \eqcommand{      }{textendash}
1006 \eqcommand{      }{textexclamdown}
1007 \eqcommand{      }{textperiodcentered}
1008 \eqcommand{      }{textquestiondown}
1009 \eqcommand{      }{textquotedblleft}
1010 \eqcommand{      }{textquotedblright}
1011 \eqcommand{      }{textquoteleft}
1012 \eqcommand{      }{textquoteright}
1013 \eqcommand{      }{textvisiblespace}
1014 \eqcommand{      }{textbackslash}
1015 \eqcommand{      }{textbar}
1016 \eqcommand{      }{textgreater}
1017 \eqcommand{      }{textless}
1018 \eqcommand{      }{textbf}
1019 \eqcommand{      }{textcircled}
1020 \eqcommand{      }{textcolor}
1021 \eqcommand{      }{textcompwordmark}
1022 \eqcommand{      }{textfloatsep}
1023 \eqcommand{      }{textfraction}
1024 \eqcommand{      }{textheight}
1025 \eqcommand{      }{textindent}
1026 \eqcommand{      }{textit}
1027 \eqcommand{      }{textmd}
1028 \eqcommand{      }{textnormal}
1029 \eqcommand{      }{textregistered}
1030 \eqcommand{      }{textrm}
1031 \eqcommand{      }{textsc}
1032 \eqcommand{      }{textsf}
1033 \eqcommand{      }{textsl}
1034 \eqcommand{      }{textstyle}
1035 \eqcommand{      }{textsuperscript}
1036 \eqcommand{      }{texttrademark}
1037 \eqcommand{      }{texttt}
1038 \eqcommand{      }{textup}
1039 \eqcommand{      }{textwidth}
1040 \eqcommand{      }{thanks}
1041 \eqcommand{ }{the}
1042 \eqcommand{      }{thempfn}
1043 \eqcommand{      }{thicklines}
1044 \eqcommand{      }{thickmuskip}
1045 \eqcommand{      }{thinmuskip}
1046 \eqcommand{      }{thickspace}
1047 \eqcommand{      }{thinlines}
1048 \eqcommand{      }{thinspace}

```



```

1049 \eqcommand{      }{thisfancypage}
1050 \eqcommand{      }{thispagestyle}
1051 \eqcommand{ @}{thr@@}
1052 \eqcommand{ }{tilde}
1053 \eqcommand{ }{tiny}
1054 \eqcommand{ }{time}
1055 \eqcommand{ }{times}
1056 \eqcommand{ }{title}
1057 \eqcommand{ }{to}
1058 \eqcommand{ }{today}
1059 \eqcommand{ }{toks}
1060 \eqcommand{      }{toksdef}
1061 \eqcommand{      }{tolerance}
1062 \eqcommand{ }{top}
1063 \eqcommand{      }{topfigrule}
1064 \eqcommand{      }{topfraction}
1065 \eqcommand{      }{topmargin}
1066 \eqcommand{      }{topmark}
1067 \eqcommand{      }{toppageskip}
1068 \eqcommand{      }{topsep}
1069 \eqcommand{      }{topskip}
1070 \eqcommand{      }{totalheight}
1071 \eqcommand{      }{tracingall}
1072 \eqcommand{      }{tracingcommands}
1073 \eqcommand{      }{tracinglostchars}
1074 \eqcommand{      }{tracingmacros}
1075 \eqcommand{      }{tracingonline}
1076 \eqcommand{      }{tracingoutput}
1077 \eqcommand{      }{tracingpages}
1078 \eqcommand{      }{tracingparagraphs}
1079 \eqcommand{      }{tracingrestores}
1080 \eqcommand{      }{tracingstats}
1081 \eqcommand{ }{triangle}
1082 \eqcommand{      }{ttdefault}
1083 \eqcommand{      }{ttfamily}
1084 \eqcommand{ @}{tw@}
1085 \eqcommand{      }{twocolumn}
1086 \eqcommand{      }{typein}
1087 \eqcommand{      }{typeout}
1088 \eqcommand{      }{uccode}
1089 \eqcommand{      }{uchyph}
1090 \eqcommand{ }{underline}
1091 \eqcommand{      }{unhbox}
1092 \eqcommand{      }{unhcopy}
1093 \eqcommand{      }{unitlength}
1094 \eqcommand{      }{unkern}
1095 \eqcommand{      }{unpenalty}
1096 \eqcommand{      }{unskip}
1097 \eqcommand{      }{unvbox}
1098 \eqcommand{      }{unvcopy}
1099 \eqcommand{      }{updefault}
1100 \eqcommand{      }{upshape}
1101 \eqcommand{ }{usebox}
1102 \eqcommand{      }{usecounter}

```





```

1103 \eqcommand{    }{usefont}
1104 \eqcommand{    }{usepackage}
1105 \eqcommand{@    }{@vobeyspaces}
1106 \eqcommand{@    }{@void}
1107 \eqcommand{    }{vadjust}
1108 \eqcommand{    }{valign}
1109 \eqcommand{    }{value}
1110 \eqcommand{    }{vbadness}
1111 \eqcommand{    }{vbox}
1112 \eqcommand{    }{vcenter}
1113 \eqcommand{    }{verb}
1114 \eqcommand{    }{vfil}
1115 \eqcommand{    }{vfill}
1116 \eqcommand{    }{vfilneg}
1117 \eqcommand{    }{vfuzz}
1118 \eqcommand{    }{visible}
1119 \eqcommand{    }{vline}
1120 \eqcommand{    }{voffset}
1121 \eqcommand{ @ }{voidb@x}
1122 \eqcommand{    }{vpageref}
1123 \eqcommand{    }{vrboxsep}
1124 \eqcommand{    }{vref}
1125 \eqcommand{    }{vrule}
1126 \eqcommand{    }{vsize}
1127 \eqcommand{    }{vskip}
1128 \eqcommand{    }{vspace}
1129 \eqcommand{    }{vsplit}
1130 \eqcommand{    }{vss}
1131 \eqcommand{    }{vtop}
1132 \eqcommand{    }{wd}
1133 \eqcommand{    }{whiledo}
1134 \eqcommand{    }{widehat}
1135 \eqcommand{    }{widetilde}
1136 \eqcommand{    }{widowpenalty}
1137 \eqcommand{    }{width}
1138 \eqcommand{    }{wlog}
1139 \eqcommand{    }{write}
1140 \eqcommand{@    }{@xobeysp}
1141 \eqcommand{ @ }{@xxxii}
1142 \eqcommand{    }{xdef}
1143 \eqcommand{    }{xleaders}
1144 \eqcommand{    }{xspaceskip}
1145 \eqcommand{    }{year}
1146 \eqcommand{@    }{z@}
1147 \eqcommand{@    }{z@skip}

```

## 21 File color-localise-xepersian.def

```

1148 color{          \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1149 0}{rgb}{    }    \0,,0}
1150 1}{rgb}{    }    \1,,1}
1151 1}{rgb}{    }    \0,,0}
1152 0}{rgb}{    }    \1,,0}
1153 0}{rgb}{    }    \0,,1}

```



```

1154 1}{cmyk}{ } \0,,0,0}
1155 0}{cmyk}{ } \1,,0,0}
1156 0}{cmyk}{ } \0,,1,0}

```

## 22 File xepersian-localise-commands-xepersian.def

```

1157 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1158 \eqcommand{ }{autofootnoterule}
1159 \eqcommand{ }{AutoMathDigits}
1160 \eqcommand{ }{DefaultMathDigits}
1161 \eqcommand{ @ }{keyval@eq@alias@key}
1162 \eqcommand{ }{deflatinfont}
1163 \eqcommand{ }{defpersianfont}
1164 \eqcommand{ }{hboxL}
1165 \eqcommand{ }{hboxR}
1166 \eqcommand{ }{Latincite}
1167 \eqcommand{ }{latinfont}
1168 \eqcommand{ }{latintoday}
1169 \eqcommand{ }{leftfootnoterule}
1170 \eqcommand{ }{lr}
1171 \eqcommand{ }{LRE}
1172 \eqcommand{ }{LTRdblcol}
1173 \eqcommand{ }{LTRfootnote}
1174 \eqcommand{ }{LTRfootnotetext}
1175 \eqcommand{ }{LTRthanks}
1176 \eqcommand{ }{persianday}
1177 \eqcommand{ }{persianfont}
1178 \eqcommand{ }{PersianMathDigits}
1179 \eqcommand{ }{persianmonth}
1180 \eqcommand{ }{persianyear}
1181 \eqcommand{ }{plq}
1182 \eqcommand{ }{prq}
1183 \eqcommand{ }{rightfootnoterule}
1184 \eqcommand{ }{rl}
1185 \eqcommand{ }{RLE}
1186 \eqcommand{ }{RTLdblcol}
1187 \eqcommand{ }{RTLfootnote}
1188 \eqcommand{ }{RTLfootnotetext}
1189 \eqcommand{ }{RTLthanks}
1190 \eqcommand{@ }{@SepMark}
1191 \eqcommand{ }{SepMark}
1192 \eqcommand{ }{setdefaultbibitems}
1193 \eqcommand{ }{setdefaultmarginpar}
1194 \eqcommand{ }{setmathdigitfont}
1195 \eqcommand{ }{setfootnoteLR}
1196 \eqcommand{ }{setfootnoteRL}
1197 \eqcommand{ }{setlatintextfont}
1198 \eqcommand{ }{setLTR}
1199 \eqcommand{ }{setLTRbibitems}
1200 \eqcommand{ }{setLTRmarginpar}
1201 \eqcommand{ }{setRTL}
1202 \eqcommand{ }{setRTLbibitems}
1203 \eqcommand{ }{setRTLmarginpar}
1204 \eqcommand{ }{settextfont}

```





```

1250 \eqenvironment{ }{description}
1251 \eqenvironment{ }{displaymath}
1252 \EqEnvironment{ }{document}
1253 \eqenvironment{ }{enumerate}
1254 \eqenvironment{ }{figure}
1255 \eqenvironment{ *}{figure*}
1256 \eqenvironment{ }{filecontents}
1257 \eqenvironment{ *}{filecontents*}
1258 \eqenvironment{ }{flushleft}
1259 \eqenvironment{ }{flushright}
1260 \eqenvironment{ }{itemize}
1261 \eqenvironment{ }{letter}
1262 \eqenvironment{ }{list}
1263 \eqenvironment{ }{longtable}
1264 \eqenvironment{ }{lrbox}
1265 \eqenvironment{ }{math}
1266 \eqenvironment{ }{matrix}
1267 \eqenvironment{ }{minipage}
1268 \eqenvironment{ }{multline}
1269 \eqenvironment{ }{note}
1270 \eqenvironment{ }{overlay}
1271 \eqenvironment{ }{picture}
1272 \eqenvironment{ }{quotation}
1273 \eqenvironment{ }{quote}
1274 \eqenvironment{ }{slide}
1275 \eqenvironment{ }{sloppypar}
1276 \eqenvironment{ }{split}
1277 \eqenvironment{ }{subarray}
1278 \eqenvironment{ }{tabbing}
1279 \eqenvironment{ }{table}
1280 \eqenvironment{ *}{table*}
1281 \eqenvironment{ }{tabular}
1282 \eqenvironment{ *}{tabular*}
1283 \eqenvironment{ }{thebibliography}
1284 \eqenvironment{ }{theindex}
1285 \eqenvironment{ }{titlepage}
1286 \eqenvironment{ }{trivlist}
1287 \eqenvironment{ }{verse}

```

## 26 File xepersian-localise-environments-xepersian.def

```

1288 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localis
1289 \eqenvironment{ }{latin}
1290 \eqenvironment{ }{LTR}
1291 \eqenvironment{ }{LTRitems}
1292 \eqenvironment{ }{modernpoem}
1293 \eqenvironment{ *}{modernpoem*}
1294 \eqenvironment{ }{persian}
1295 \eqenvironment{ }{RTL}
1296 \eqenvironment{ }{RTLitems}
1297 \eqenvironment{ }{traditionalpoem}
1298 \eqenvironment{ *}{traditionalpoem*}

```



## 27 File extarticle-xepersian.def

```
1299 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1300 \renewcommand\thepart {\@tartibi\c@part}
1301 \renewcommand\appendix{\par
1302 \setcounter{section}{0}%
1303 \setcounter{subsection}{0}%
1304 \gdef\thesection{\@harfi\c@section}}
```

## 28 File extbook-xepersian.def

```
1305 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1306 \renewcommand\frontmatter{%
1307 \cleardoublepage
1308 \@mainmatterfalse
1309 \pagenumbering{harfi}}
1310 \renewcommand \thepart {\@tartibi\c@part}
1311 \renewcommand\appendix{\par
1312 \setcounter{chapter}{0}%
1313 \setcounter{section}{0}%
1314 \gdef\@chapapp{\appendixname}%
1315 \gdef\thechapter{\@harfi\c@chapter}
1316 }%end appendix
```

## 29 File extrafootnotefeatures-xepersian.def

```
1317 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extra]
1318 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1319 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1320 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}
```

## 30 File extreport-xepersian.def

```
1321 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1322 \renewcommand\thepart {\@tartibi\c@part}
1323 \renewcommand\appendix{\par
1324 \setcounter{chapter}{0}%
1325 \setcounter{section}{0}%
1326 \gdef\@chapapp{\appendixname}%
1327 \gdef\thechapter{\@harfi\c@chapter}}
```

## 31 File fancyref-xepersian.def

```
1328 \ProvidesFile{fancyref-xepersian.def}[2018/09/29 v0.1 bilingual captions for fancyref package]
1329 \renewcommand*\Frefchapname{\chaptername}
1330 \renewcommand*\Frefenumname{%
1331 \if@RTL
1332 %
1333 \else
1334 Item%
1335 \fi
1336 }
1337 \renewcommand*\Frefeqname{%
1338 \if@RTL
```



```

1339 %
1340 \else
1341 Equation%
1342 \fi
1343 }
1344 \renewcommand*{\Freffigname}{\figurename}
1345 \renewcommand*{\Freffnname}{%
1346 \if@RTL
1347 %
1348 \else
1349 Footnote%
1350 \fi
1351 }
1352 \renewcommand*{\Frefonname}{%
1353 \if@RTL
1354 %
1355 \else
1356 On%
1357 \fi
1358 }
1359 \renewcommand*{\Frefpgname}{\pagename}
1360 \renewcommand*{\Frefsecname}{%
1361 \if@RTL
1362 %
1363 \else
1364 Section%
1365 \fi
1366 }
1367 \renewcommand*{\Frefseename}{%
1368 \if@RTL
1369 %
1370 \else
1371 See%
1372 \fi
1373 }
1374 \renewcommand*{\Freftabname}{\tablename}
1375 \renewcommand*{\Freffigshortname}{%
1376 \if@RTL
1377 \Freffigname
1378 \else
1379 Fig.%
1380 \fi
1381 }
1382 \renewcommand*{\Frefpgshortname}{%
1383 \if@RTL
1384 \Frefpgname
1385 \else
1386 P.%
1387 \fi
1388 }
1389 \renewcommand*{\Freftabshortname}{%
1390 \if@RTL
1391 \tablename
1392 \else

```



```

1393     Tab.%
1394 \fi
1395 }
1396 \renewcommand*{\frefchapname}{%
1397 \if@RTL
1398 \Frefchapname
1399 \else
1400 \MakeLowercase{\Frefchapname}%
1401 \fi
1402 }
1403 \renewcommand*{\frefenumname}{%
1404 \if@RTL
1405 \Frefenumname
1406 \else
1407 \MakeLowercase{\Frefenumname}%
1408 \fi
1409 }
1410 \renewcommand*{\frefeqname}{%
1411 \if@RTL
1412 \Frefeqname
1413 \else
1414 \MakeLowercase{\Frefeqname}%
1415 \fi
1416 }
1417 \renewcommand*{\freffigname}{%
1418 \if@RTL
1419 \Freffigname
1420 \else
1421 \MakeLowercase{\Freffigname}%
1422 \fi
1423 }
1424 \renewcommand*{\freffnname}{%
1425 \if@RTL
1426 \Freffnname
1427 \else
1428 \MakeLowercase{\Freffnname}%
1429 \fi
1430 }
1431 \renewcommand*{\frefonname}{%
1432 \if@RTL
1433 \Frefonname
1434 \else
1435 \MakeLowercase{\Frefonname}%
1436 \fi
1437 }
1438 \renewcommand*{\frefpgname}{%
1439 \if@RTL
1440 \Frefpgname
1441 \else
1442 \MakeLowercase{\Frefpgname}%
1443 \fi
1444 }
1445 \renewcommand*{\frefsecname}{%
1446 \if@RTL

```



```

1447     \Frefsecname
1448   \else
1449     \MakeLowercase{\Frefsecname}%
1450   \fi
1451 }
1452 \renewcommand*{\frefseenname}{%
1453   \if@RTL
1454     \Frefseenname
1455   \else
1456     \MakeLowercase{\Frefseenname}%
1457   \fi
1458 }
1459 \renewcommand*{\freftabname}{%
1460   \if@RTL
1461     \Freftabname
1462   \else
1463     \MakeLowercase{\Freftabname}%
1464   \fi
1465 }
1466 \renewcommand*{\freffigshortname}{%
1467   \if@RTL
1468     \Freffigshortname
1469   \else
1470     \MakeLowercase{\Freffigshortname}%
1471   \fi
1472 }
1473 \renewcommand*{\frefpgshortname}{%
1474   \if@RTL
1475     \Frefpgshortname
1476   \else
1477     \MakeLowercase{\Frefpgshortname}%
1478   \fi
1479 }
1480 \renewcommand*{\freftabshortname}{%
1481   \if@RTL
1482     \Freftabshortname
1483   \else
1484     \MakeLowercase{\Freftabshortname}%
1485   \fi
1486 }

```

## 32 File footnote-xepersian.def

```

1487 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1488
1489 \renewcommand*{\bidi@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\font}
1490
1491 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1492
1493 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1494

```

## 33 File framed-xepersian.def





```

1495 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package
1496 \renewenvironment{titled-frame}[1]{%
1497   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1498     \TitleBarFrame{\textbf{#1}}}%
1499   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1500     \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1}}}%
1501   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1502     \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1} \ (\if@
1503   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1504     \TitleBarFrame{\textbf{#1} \ (\if@RTL \else\ cont\fi)}}}%
1505   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1506 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1507 % could interfere with the width measurement.
1508 {\endMakeFramed}

```

## 34 File glossaries-xepersian.def

```

1509 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries
1510 \glsaddprotectedpagefmt{@harfi}
1511 \glsaddprotectedpagefmt{@tartibi}
1512 \glsaddprotectedpagefmt{@adadi}

```

## 35 File hyperref-xepersian.def

```

1513 \ProvidesFile{hyperref-xepersian.def}[2022/10/30 v0.8 xepersian adaptations for hyperref pac
1514 \def\equationautorefname{\if@RTL \else\ Equation\fi}%
1515 \def\footnoteautorefname{\if@RTL \else\ footnote\fi}%
1516 \def\itemautorefname{\if@RTL \else\ item\fi}%
1517 \def\figureautorefname{\if@RTL \else\ Figure\fi}%
1518 \def\tableautorefname{\if@RTL \else\ Table\fi}%
1519 \def\partautorefname{\if@RTL \else\ Part\fi}%
1520 \def\appendixautorefname{\if@RTL \else\ Appendix\fi}%
1521 \def\chapterautorefname{\if@RTL \else\ chapter\fi}%
1522 \def\sectionautorefname{\if@RTL \else\ section\fi}%
1523 \def\subsectionautorefname{\if@RTL \else\ subsection\fi}%
1524 \def\subsubsectionautorefname{\if@RTL \else\ subsubsection\fi}%
1525 \def\paragraphautorefname{\if@RTL \else\ paragraph\fi}%
1526 \def\subparagraphautorefname{\if@RTL \else\ subparagraph\fi}%
1527 \def\FancyVerbLineautorefname{\if@RTL \else\ line\fi}%
1528 \def\theoremautorefname{\if@RTL \else\ Theorem\fi}%
1529 \def\pageautorefname{\if@RTL \else\ page\fi}%
1530 \ifHy@implicit
1531   \AtBeginDocument{%
1532     \let\HyOrg@appendix\appendix
1533     \def\appendix{%
1534       \ltx@ifundefined{chapter}%
1535         {\gdef\theHsection{\Alph{section}}}%
1536         {\gdef\theHchapter{\Alph{chapter}}}%
1537       \xdef\Hy@chapapp{\Hy@appendixstring}%
1538       \HyOrg@appendix
1539     }%
1540   }%
1541 \fi
1542 \pdfstringdefDisableCommands{%

```



```

1543 \let\lr\@firstofone
1544 \let\rl\@firstofone
1545 \def\XePersian{\XePersian}%
1546 }
1547 \ltx@ifundefined{@resets@pp}{%
1548 }{%
1549 \let\HyOrg@resets@pp\@resets@pp
1550 \def\@resets@pp{%
1551 \ltx@ifundefined{chapter}{%
1552 \gdef\theHsection{\Hy@AlphNoErr{section}}}%
1553 }{%
1554 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}}%
1555 }%
1556 \xdef\Hy@chapapp{\Hy@appendixstring}%
1557 \HyOrg@resets@pp
1558 }%
1559 }

```

## 36 File imspoc-xepersian.def

```

1560 \ProvidesFile{imspoc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imspoc class]
1561
1562 \renewcommand \thepart {\@tartibi\c@part}
1563 \def\appendix{\par\c@section\z@ \c@subsection\z@
1564 \let\sectionname\appendixname
1565 \def\thesection{\@harfi\c@section}}
1566

```

## 37 File kashida-xepersian.def

```

1567 \ProvidesFile{kashida-xepersian.def}[2020/05/16 v0.8 implementation of Kashida for xepersian]
1568 %
1569 % The new changes is minimal and only cosmetic; To resolve the
1570 % issue properly, I will be studying TeX line breaking algorithms and
1571 % experiment to see how much of it I can mimic. The idea of using
1572 % a rule or even a box is awful and it breaks a lot of things. The ideal
1573 % solution is to insert Kashida without any rules or boxes or if
1574 % the font offers the alternative forms, it can be used for Kashida.
1575 % Unfortunately, computing the stretch using the \pdfsavepos and
1576 % \pdfastxpos primitives from the PDFTeX engine is bad and
1577 % impractical for several reasons. The process is extremely
1578 % slow and requires at least two runs of TeX. On a particular line,
1579 % we need to write to the aux file at least 10 times, on a page we
1580 % have on average around 10 lines and hence, for a 100 pages
1581 % document, we have to do this 10,000 times. These statistics are
1582 % very modest. On the other hand, if we reach max count (which is
1583 % very likely), then we have to do some devious things.
1584 %
1585 \chardef\xepersian@zwj="200D % zero-width joiner
1586 \chardef\xepersian@lrm="200E % left to right mark
1587 \chardef\xepersian@kashidachar="0640 % kashida
1588
1589 \chardef\xepersian@D=10 % dual-joiner class
1590 \chardef\xepersian@L=11 % lam

```



```

1591 \chardef\xepersian@R=12 % right-joiner
1592 \chardef\xepersian@A=13 % alef
1593 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1594 \newif\if@Kashida@on
1595 \def\xepersian@kashida{%
1596   \if@Kashida@on
1597     \xepersian@zwj
1598     \xepersian@lrm
1599     \nobreak
1600     \leaders\hrule height \XeTeXglyphbounds\tw@
1601     \the\XeTeXcharglyph\xepersian@kashidachar
1602     depth \XeTeXglyphbounds\f@ur
1603     \the\XeTeXcharglyph\xepersian@kashidachar
1604     \hskip0pt plus 0.5em
1605 %   \dimexpr \fontcharwd\font\xepersian@kashidachar -
1606 %   \XeTeXglyphbounds@one
1607 %   \the\XeTeXcharglyph\xepersian@kashidachar -
1608 %   \XeTeXglyphbounds\thr@@
1609 %   \the\XeTeXcharglyph\xepersian@kashidachar \relax
1610   \xepersian@zwj
1611 \fi
1612 }
1613
1614 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1615 \expandafter\dosetclass\charlist,\end}
1616 \def\dosetclass#1,#2\end{%
1617 \def\test{#1}\def\charlist{#2}%
1618 \ifx\test\empty\let\next\finishsetclass
1619 \else \XeTeXcharclass "\test = \theclass
1620 \let\next\dosetclass \fi
1621 \expandafter\next\charlist,,\end}
1622 \def\finishsetclass#1,,\end{}
1623
1624 \setclass \xepersian@A {0622,0623,0625,0627}
1625 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1626 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1627 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1628 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1629 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1630 \setclass \xepersian@L {0644}
1631 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1632
1633 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1634 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1635 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1636 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1637 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1638 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1639 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1640 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1641
1642 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1643 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1644

```



1645 \KashidaOn

## 38 File listings-xepersian.def

```
1646 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1647 \def\lstlistingname{\if@RTL else\    Listing\fi}
1648 \def\lstlistlistingname{\if@RTL    else\    Listings\fi}
```

## 39 File loadingorder-xepersian.def

```
1649 \ProvidesFile{loadingorder-xepersian.def}[2018/09/29 v0.5 making sure that xepersian is the
1650 \bidi@isloaded{algorithmic}
1651 \bidi@isloaded{algorithm}
1652 \bidi@isloaded{backref}
1653 \bidi@isloaded{enumerate}
1654 \bidi@isloaded{enumitem}
1655 \bidi@isloaded{fancyref}
1656 \bidi@isloaded{tocloft}
1657 \bidi@isloaded{url}
1658 \bidi@isloaded{varioref}
1659 \AtBeginDocument{
1660   \if@bidi@algorithmicloaded@ \else
1661     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1662   \fi%
1663   \if@bidi@algorithmloaded@ \else
1664     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1665   \fi%
1666   \if@bidi@backrefloaded@ \else
1667     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1668   \fi%
1669   \if@bidi@enumerateloaded@ \else
1670     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1671   \fi%
1672   \if@bidi@enumitemloaded@ \else
1673     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1674   \fi%
1675   \if@bidi@fancyrefloaded@ \else
1676     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package fancyref after xepersian}{}]
1677   \fi%
1678   \if@bidi@tocloftloaded@ \else
1679     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1680   \fi%
1681   \if@bidi@urlloaded@ \else
1682     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1683   \fi%
1684   \if@bidi@variorefloaded@ \else
1685     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package varioref after xepersian}{}]
1686   \fi%
1687 }
```

## 40 File localise-xepersian.def

```
1688 \ProvidesFile{localise-xepersian.def}[2022/06/06 v0.2c Persian localisation of LaTeX2e]
1689 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
```



```

1690 \makezwnjletter
1691 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1
1692 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
1693 \if@bidi@csdef{verbatim@}{\let\verbatim@xepersian@localize@verbatim@}{\csname#2\endcsname}
1694 \newcommand*{\EqEnvironment}[2]{%
1695 \expandafter\let\csname #1\expandafter\endcsname\csname #2\endcsname
1696 \expandafter\let\csname end#1\expandafter\endcsname\csname end#2\endcsname
1697 }
1698 \@ifpackageloaded{keyval}{%
1699 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1700 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1701 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}%
1702 }{\@ifpackageloaded{xkeyval}{%
1703 \newcommand*{\keyval@eq@alias@key}[4][KV]{%
1704 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1705 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}%
1706 }{}}
1707 \input{latex-localise-commands-xepersian.def}
1708 \input{xepersian-localise-commands-xepersian.def}
1709 \input{latex-localise-environments-xepersian.def}
1710 \input{xepersian-localise-environments-xepersian.def}
1711 \input{latex-localise-messages-xepersian.def}
1712 \input{latex-localise-misc-xepersian.def}
1713 \input{packages-localise-xepersian.def}
1714 \aliasfontfeature{ExternalLocation}{ }
1715 \aliasfontfeature{Path}{ }
1716 \aliasfontfeature{Renderer}{ }
1717 \aliasfontfeature{BoldFont}{ }
1718 \aliasfontfeature{Language}{ }
1719 \aliasfontfeature{Script}{ }
1720 \aliasfontfeature{UprightFont}{ }
1721 \aliasfontfeature{ItalicFont}{ }
1722 \aliasfontfeature{BoldItalicFont}{ }
1723 \aliasfontfeature{SlantedFont}{ }
1724 \aliasfontfeature{BoldSlantedFont}{ }
1725 \aliasfontfeature{SmallCapsFont}{ }
1726 \aliasfontfeature{UprightFeatures}{ }
1727 \aliasfontfeature{BoldFeatures}{ }
1728 \aliasfontfeature{ItalicFeatures}{ }
1729 \aliasfontfeature{BoldItalicFeatures}{ }
1730 \aliasfontfeature{SlantedFeatures}{ }
1731 \aliasfontfeature{BoldSlantedFeatures}{ }
1732 \aliasfontfeature{SmallCapsFeatures}{ }
1733 \aliasfontfeature{SizeFeatures}{ }
1734 \aliasfontfeature{Scale}{ }
1735 \aliasfontfeature{WordSpace}{ }
1736 \aliasfontfeature{PunctuationSpace}{ }
1737 \aliasfontfeature{FontAdjustment}{ }
1738 \aliasfontfeature{LetterSpace}{ }
1739 \aliasfontfeature{HyphenChar}{ }
1740 \aliasfontfeature{Color}{ }
1741 \aliasfontfeature{Opacity}{ }
1742 \aliasfontfeature{Mapping}{ }
1743 \aliasfontfeature{Weight}{ }

```



```

1744 \aliasfontfeature{Width}{ }
1745 \aliasfontfeature{OpticalSize}{ }
1746 \aliasfontfeature{FakeSlant}{ }
1747 \aliasfontfeature{FakeStretch}{ }
1748 \aliasfontfeature{FakeBold}{ }
1749 \aliasfontfeature{AutoFakeSlant}{ }
1750 \aliasfontfeature{AutoFakeBold}{ }
1751 \aliasfontfeature{Ligatures}{ }
1752 \aliasfontfeature{Alternate}{ }
1753 \aliasfontfeature{Variant}{ }
1754 \aliasfontfeature{Variant}{ }
1755 \aliasfontfeature{CharacterVariant}{ }
1756 \aliasfontfeature{Style}{ }
1757 \aliasfontfeature{Annotation}{ }
1758 \aliasfontfeature{RawFeature}{ }
1759 \aliasfontfeature{CharacterWidth}{ }
1760 \aliasfontfeature{Numbers}{ }
1761 \aliasfontfeature{Contextuals}{ }
1762 \aliasfontfeature{Diacritics}{ }
1763 \aliasfontfeature{Letters}{ }
1764 \aliasfontfeature{Kerning}{ }
1765 \aliasfontfeature{VerticalPosition}{ }
1766 \aliasfontfeature{Fractions}{ }
1767 \aliasfontfeatureoption{Language}{Default}{ }
1768 \aliasfontfeatureoption{Language}{Persian}{ }
1769 \aliasfontfeatureoption{Script}{Persian}{ }
1770 \aliasfontfeatureoption{Script}{Latin}{ }
1771 \aliasfontfeatureoption{Style}{MathScript}{ }
1772 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

## 41 File memoir-xepersian.def

```

1773 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1774 \renewcommand{\@memfront}{%
1775   \@smemfront\pagenumbering{harfi}}
1776 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1777 \renewcommand*{\thebook}{\@tartibi\c@book}
1778 \renewcommand*{\thepart}{\@tartibi\c@part}
1779 \renewcommand{\appendix}{\par
1780   \setcounter{chapter}{0}%
1781   \setcounter{section}{0}%
1782   \gdef\@chapapp{\appendixname}%
1783   \gdef\thechapter{\@harfi\c@chapter}%
1784   \anappendixtrue}

```

## 42 File latex-localise-messages-xepersian.def

```

1785 latex} \-localise-messages-xepersian.def[2011/03/01 v0.1 localising LaTeX2e messages

```

## 43 File minitoc-xepersian.def

```

1786 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1787 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1788 \def\plftitle{\if@RTL else\ List of Figures\fi}%

```



```

1789 \def\pltttitle{\if@RTL     else\    List of Tables\fi}%
1790 \def\mtctitle{\if@RTL else\    Contents\fi}%
1791 \def\mlfttitle{\if@RTL else\    Figures\fi}%
1792 \def\mltttitle{\if@RTL else\    Tables\fi}%
1793 \def\stctitle{\if@RTL else\    Contents\fi}%
1794 \def\slfttitle{\if@RTL else\    Figures\fi}%
1795 \def\sltttitle{\if@RTL else\    Tables\fi}%

```

## 44 File latex-localise-misc-xepersian.def

```

1796 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian local
1797 %}1# \ \
1798 \@ \ \ @ \ \
1799 \1# \
1800 \1# @\
1801 \1# @\
1802 {@ \ \
1803 %}2#1# @\ \
1804 %1# \ \ @\ \ \ \ \
1805 \2# \ \ @\ \
1806 {{2#1# \}}
1807 undefined\ \ \
1808
1809 %{ \ \ \ \ \1#} \ \} \1# \ \
1810 \ { \ \ \ \
1811 \ \ \ \
1812
1813
1814 \ \ \ \%} \#1
1815 \1#} \ \ \% \
1816 \ \ \ \
1817 }%
1818 \
1819 \ \ \ \
1820 }
1821 \= \ \
1822
1823
1824 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1825 \def\@xfloat #1[#2]{%
1826 \@nodocument
1827 \def \@capttype {#1}%
1828 \def \@fps {#2}%
1829 \@onelevel@sanitize \@fps
1830 \def \reserved@b {!}%
1831 \ifx \reserved@b \@fps
1832 \@fpsadddefault
1833 \else
1834 \ifx \@fps \@empty
1835 \@fpsadddefault
1836 \fi
1837 \fi
1838 \ifhmode
1839 \@bsphack

```



```

1840 \floatpenalty -\@Mii
1841 \else
1842 \floatpenalty-\@Miii
1843 \fi
1844 \ifinner
1845 \@parmoderr\@floatpenalty\z@
1846 \else
1847 \@next\@currbox\@freelist
1848 {%
1849 \@tempcnta \sixt@n
1850 \expandafter \@tfor \expandafter \reserved@a
1851 \expandafter :\expandafter =\@fps
1852 \do
1853 {%
1854 \if \reserved@a h%
1855 \ifodd \@tempcnta
1856 \else
1857 \advance \@tempcnta \@ne
1858 \fi
1859 \fi
1860 \if \reserved@a %
1861 \ifodd \@tempcnta
1862 \else
1863 \advance \@tempcnta \@ne
1864 \fi
1865 \fi
1866 \if \reserved@a t%
1867 \@setfpsbit \tw@
1868 \fi
1869 \if \reserved@a %
1870 \@setfpsbit \tw@
1871 \fi
1872 \if \reserved@a b%
1873 \@setfpsbit 4%
1874 \fi
1875 \if \reserved@a %
1876 \@setfpsbit 4%
1877 \fi
1878 \if \reserved@a p%
1879 \@setfpsbit 8%
1880 \fi
1881 \if \reserved@a %
1882 \@setfpsbit 8%
1883 \fi
1884 \if \reserved@a !%
1885 \ifnum \@tempcnta>15
1886 \advance\@tempcnta -\sixt@n\relax
1887 \fi
1888 \fi
1889 }%
1890 \@tempcntb \csname ftype@\@capytype \endcsname
1891 \multiply \@tempcntb \@xxxii
1892 \advance \@tempcnta \@tempcntb
1893 \global \count\@currbox \@tempcnta

```





```

1894     }%
1895     \@fltovf
1896 \fi
1897 \global \setbox\@currbox
1898     \color@vbox
1899     \normalcolor
1900     \vbox \bgroup
1901         \hsize\columnwidth
1902         \@parboxrestore
1903         \@floatboxreset
1904 }
1905 \let\bm@ \bm@c
1906 \let\bm@ \bm@l
1907 \let\bm@ \bm@r
1908 \let\bm@ \bm@b
1909 \let\bm@ \bm@t
1910 \let\bm@ \bm@s
1911 \long\def\@iiiparbox#1#2[#3]#4#5{%
1912     \leavevmode
1913     \@pboxswfalse
1914     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1915     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
1916     \setlength\@tempdima{#4}%
1917     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1918     \ifx\relax#2\else
1919         \setlength\@tempdimb{#2}%
1920         \edef\@parboxto{to\the\@tempdimb}%
1921     \fi
1922     \if#1b\vbox
1923     \else\if#1\vbox
1924     \else\if #1t\top
1925     \else\if vtop\ #1
1926     \else\ifmmode\center
1927     \else\@pboxswtrue $\center
1928     \fi\fi\fi\fi\fi
1929     \@parboxto{\let\hss\vss\let\unhbox\unvbox
1930         \csname bm@#3\endcsname}%
1931     \if@pboxsw \m@th$\fi
1932 \end@tempboxa}
1933 \def\@iiiminipage#1#2[#3]#4{%
1934     \leavevmode
1935     \@pboxswfalse
1936     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1937     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
1938     \setlength\@tempdima{#4}%
1939     \def\@mpargs{{#1}{#2}[#3]{#4}}%
1940     \setbox\@tempboxa\vbox\bgroup
1941         \color@begingroup
1942         \hsize\@tempdima
1943         \textwidth\hsize \columnwidth\hsize
1944         \@parboxrestore
1945         \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1946         \let\@footnotetext\@mpfootnotetext
1947         \let\@LTRfootnotetext\@mpLTRfootnotetext

```



```

1948 \let\@RTLfootnotetext\@mpRTLfootnotetext
1949 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1950 \@minipagerestore
1951 \setminipage}
1952 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1953 \ifnum \@lastchclass=3 5 \else
1954 \z@ \if #1c\@chnum \z@ \else
1955 \if chnum@\ #1 \z@ \else
1956 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1957 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1958 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1959 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1960 \@chclass \if #1|\@ne \else
1961 \if #1@\tw@ \else
1962 \if #1p3 \else
1963 \if 3#1 \else \z@ \@preamerr 0\fi
1964 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1965 \fi}%
1966 }{}
1967 \ifdefinitionfileloaded{array-xetex-bidi}{%
1968 \def\@testpach{\@chclass
1969 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1970 \ifnum \@lastchclass=7 5 \else
1971 \ifnum \@lastchclass=8 \tw@ \else
1972 \ifnum \@lastchclass=9 \thr@@
1973 \else \z@
1974 \ifnum \@lastchclass = 10 \else
1975 \edef\@nextchar{\expandafter\string\@nextchar}%
1976 \@chnum
1977 \if \@nextchar c\z@ \else
1978 \if \@nextchar @z\ \else
1979 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1980 \if \@nextchar \if@RTLtab else\ \fi\@ne\ \else
1981 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1982 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1983 \z@ \@chclass
1984 \if \@nextchar |\@ne \else
1985 \if \@nextchar !6 \else
1986 \if \@nextchar @7 \else
1987 \if \@nextchar <8 \else
1988 \if \@nextchar >9 \else
1989 10
1990 \@chnum
1991 \if \@nextchar m\thr@@\else
1992 \if \@nextchar thr@@\else\
1993 \if \@nextchar p4 \else
1994 \if \@nextchar 4 \else
1995 \if \@nextchar b5 \else
1996 \if \@nextchar 5 \else
1997 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1998 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1999 }{}
2000 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
2001 \ifadl@usingarypkg

```



```

2002 \def\@testpach{\@chclass
2003 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2004 \ifnum \@lastchclass=7 5 \else
2005 \ifnum \@lastchclass=8 \tw@ \else
2006 \ifnum \@lastchclass=9 \thr@@
2007 \else \z@
2008 \ifnum \@lastchclass = 10 \else
2009 \edef\@nextchar{\expandafter\string\@nextchar}%
2010 \@chnum
2011 \if \@nextchar c\z@ \else
2012 \if \@nextchar @z\ \else
2013 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2014 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2015 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2016 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2017 \z@ \@chclass
2018 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
2019 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
2020 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
2021 \if \@nextchar !6 \else
2022 \if \@nextchar @7 \else
2023 \if \@nextchar <8 \else
2024 \if \@nextchar >9 \else
2025 10
2026 \@chnum
2027 \if \@nextchar m\thr@@\else
2028 \if \@nextchar thr@@\else\
2029 \if \@nextchar p4 \else
2030 \if \@nextchar 4 \else
2031 \if \@nextchar b5 \else
2032 \if \@nextchar 5 \else
2033 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2034 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2035
2036 \def\@classz{\@classx
2037 \@tempcnta \count@
2038 \prepnext@tok
2039 \@addtopreamble{\ifcase \@chnum
2040 \hfil
2041 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2042 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2043 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2044 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2045 \adl@endmbox\or
2046 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
2047 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2048 \fi}\prepnext@tok}
2049 \def\adl@class@start{4}
2050 \def\adl@class@iiiorvii{7}
2051
2052 \else
2053 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2054 \ifnum \@lastchclass=\thr@@ 5\relax \else
2055 \z@ \if #1c\@chnum \z@ \else

```



```

2056         \if @chnum\z@ \#1 \else
2057         \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2058         \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2059         \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2060         \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2061         \@chclass
2062         \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2063         \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2064         \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2065         \if #1@tw@ \else
2066         \if #1p\thr@@ \else
2067         \if @@thr\#1 \else\z@ \@preamerr 0\fi
2068     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2069
2070 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2071     \or \or \@addamp \or
2072     \@acolampacol \or \@firstampfalse \@acol \fi
2073     \edef\@preamble{\@preamble
2074     \ifcase \@chnum
2075         \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
2076         \or \adl@putlrc{\$ \relax \@sharp$}\hfil
2077         \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
2078 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2079     \or \or \@addamp \or
2080     \@acolampacol \or \@firstampfalse \@acol \fi
2081     \edef\@preamble{\@preamble
2082     \ifcase \@chnum
2083         \hfil\adl@putlrc{\@sharp\unskip}\hfil
2084         \or \adl@putlrc{\@sharp\unskip}\hfil
2085         \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2086 \def\adl@class@start{6}
2087 \def\adl@class@iiiorvii{3}
2088 \fi
2089 }{}
2090 \ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2091 \def\@testpach{\@chclass
2092 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2093 \ifnum \@lastchclass=7 5 \else
2094 \ifnum \@lastchclass=8 \tw@ \else
2095 \ifnum \@lastchclass=9 \thr@@
2096 \else \z@
2097 \ifnum \@lastchclass = 10 \else
2098 \edef\@nextchar{\expandafter\string\@nextchar}%
2099 \@chnum
2100 \if \@nextchar c\z@ \else
2101 \if \@nextchar @z@ \else
2102 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2103 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2104 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
2105 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
2106 \if \@nextchar C7 \else
2107 \if \@nextchar 7 \else
2108 \if \@nextchar L8 \else
2109 \if \@nextchar 8 \else

```



[illegible]

```

2164 \ExplSyntaxOff
2165 \expandafter\let\csname end          *\endcsname =\end

```

## 45 File natbib-xepersian.def

```

2166 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2167 \renewcommand\NAT@set@cites{%
2168   \ifNAT@numbers
2169     \ifNAT@super \let\@cite\NAT@citesuper
2170     \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2171     \let\citeyearpar=\citeyear
2172     \let\NAT@space\relax
2173     \def\NAT@super@kern{\kern\p@}%
2174   \else
2175     \let\NAT@mbox=\mbox
2176     \let\@cite\NAT@citenum
2177     \let\NAT@space\NAT@spacechar
2178     \let\NAT@super@kern\relax
2179   \fi
2180   \let\@citex\NAT@citexnum
2181   \let\@Latincitex\NAT@Latin@citexnum
2182   \let\@biblabel\NAT@biblabelnum
2183   \let\@bibsetup\NAT@bibsetnum
2184   \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2185   \def\natexlab##1{%
2186     \def\NAT@penalty{\penalty\@m}%
2187   \else
2188     \let\@cite\NAT@cite
2189     \let\@citex\NAT@citex
2190     \let\@Latincitex\NAT@Latin@citex
2191     \let\@biblabel\NAT@biblabel
2192     \let\@bibsetup\NAT@bibsetup
2193     \let\NAT@space\NAT@spacechar
2194     \let\NAT@penalty\@empty
2195     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2196     \def\natexlab##1{##1}%
2197   \fi}
2198 \newcommand\NAT@Latin@citex{}
2199 \def\NAT@Latin@citex%
2200   [#1] [#2] #3{%
2201   \NAT@reset@parser
2202   \NAT@sort@cites{#3}%
2203   \NAT@reset@citea
2204   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2205     \@for\@citeb:=\NAT@cite@list\do
2206       {\@safe@activestru
2207         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2208         \@safe@activesfalse
2209         \ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2210           {\reset@font\bfseries ?}\NAT@citeundefined
2211             \PackageWarning{natbib}%
2212               {Citation '\@citeb' on page \thepage \space undefined}\def\NAT@date{}}}%
2213         {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2214           \NAT@parse{\@citeb}%

```



```

2215 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2216 \let\NAT@name=\NAT@all@names
2217 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2218 \fi
2219 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2220 \let\NAT@nm\NAT@name\fi
2221 \ifNAT@swa\ifcase\NAT@ctype
2222 \if\relax\NAT@date\relax
2223 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2224 \else
2225 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2226 \ifx\NAT@last@yr\NAT@year
2227 \def\NAT@temp{{?}}%
2228 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2229 {Multiple citation on page \thepage: same authors and
2230 year\MessageBreak without distinguishing extra
2231 letter,\MessageBreak appears as question mark}\fi
2232 \NAT@hyper@{\NAT@exlab}%
2233 \else\unskip\NAT@spacechar
2234 \NAT@hyper@{\NAT@date}%
2235 \fi
2236 \else
2237 \@citea\NAT@hyper@{%
2238 \NAT@nmfmt{\NAT@nm}%
2239 \hyper@natlinkbreak{%
2240 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2241 }%
2242 \NAT@date
2243 }%
2244 \fi
2245 \fi
2246 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2247 \or\@citea\NAT@hyper@{\NAT@date}%
2248 \or\@citea\NAT@hyper@{\NAT@alias}%
2249 \fi \NAT@def@citea
2250 \else
2251 \ifcase\NAT@ctype
2252 \if\relax\NAT@date\relax
2253 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2254 \else
2255 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2256 \ifx\NAT@last@yr\NAT@year
2257 \def\NAT@temp{{?}}%
2258 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2259 {Multiple citation on page \thepage: same authors and
2260 year\MessageBreak without distinguishing extra
2261 letter,\MessageBreak appears as question mark}\fi
2262 \NAT@hyper@{\NAT@exlab}%
2263 \else
2264 \unskip\NAT@spacechar
2265 \NAT@hyper@{\NAT@date}%
2266 \fi
2267 \else
2268 \@citea\NAT@hyper@{%

```



```

2269         \NAT@nmfmt{\NAT@nm}%
2270         \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2271         {\@citeb\@extra@b@citeb}%
2272         \NAT@date
2273     }%
2274     \fi
2275     \fi
2276     \or\@citea\NAT@hyper@\NAT@nmfmt{\NAT@nm}}%
2277     \or\@citea\NAT@hyper@\NAT@date}%
2278     \or\@citea\NAT@hyper@\NAT@alias}%
2279     \fi
2280     \if\relax\NAT@date\relax
2281         \NAT@def@citea
2282     \else
2283         \NAT@def@citea@close
2284     \fi
2285     \fi
2286     }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2287     \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2288 \newcommand\NAT@Latin@citexnum{}
2289 \def\NAT@Latin@citexnum[#1][#2]#3{%
2290     \NAT@reset@parser
2291     \NAT@sort@cites{#3}%
2292     \NAT@reset@citea
2293     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2294         \@for\@citeb:=\NAT@cite@list\do
2295             {\@safe@activestrue
2296                 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2297                 \@safe@activesfalse
2298                 \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2299                     {\reset@font\bfseries?}
2300                     \NAT@citeundefined\PackageWarning{natbib}%
2301                     {Citation '\@citeb' on page \thepage \space undefined}}%
2302                 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2303                     \NAT@parse{\@citeb}%
2304                     \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2305                         \let\NAT@name=\NAT@all@names
2306                         \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2307                     \fi
2308                     \ifNAT@full\let\NAT@nm\NAT@all@names\else
2309                         \let\NAT@nm\NAT@name\fi
2310                     \ifNAT@swa
2311                         \@ifnum{\NAT@ctype>\@ne}{%
2312                             \@citea
2313                             \NAT@hyper@\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2314                         }{%
2315                             \@ifnum{\NAT@cmprs>\z@}{%
2316                                 \NAT@ifcat@num\NAT@num
2317                                 {\let\NAT@nm=\NAT@num}%
2318                                 {\def\NAT@nm{-2}}%
2319                                 \NAT@ifcat@num\NAT@last@num
2320                                 {\@tempcnta=\NAT@last@num\relax}%
2321                                 {\@tempcnta@m@ne}%
2322                                 \@ifnum{\NAT@nm=\@tempcnta}{%

```





```

2323 \@ifnum{\NAT@merge>\@ne}{-}{\NAT@last@yr@mbox}%
2324 }{%
2325 \advance\@tempcnta by\@ne
2326 \@ifnum{\NAT@nm=\@tempcnta}{%
2327 \ifx\NAT@last@yr\relax
2328 \def\NAT@last@yr{\@citea}%
2329 \else
2330 \def\NAT@last@yr{--\NAT@penalty}%
2331 \fi
2332 }{%
2333 \NAT@last@yr@mbox
2334 }%
2335 }%
2336 }{%
2337 \@tempswatrue
2338 \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{-}}{-}
2339 \if@tempswa\NAT@citea@mbox\fi
2340 }%
2341 }%
2342 \NAT@def@citea
2343 \else
2344 \ifcase\NAT@ctype
2345 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2346 \@citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2347 \fi
2348 \if*#1*\else#1\NAT@spacechar\fi
2349 \NAT@mbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2350 \NAT@def@citea@box
2351 \or
2352 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2353 \or
2354 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2355 \or
2356 \NAT@hyper@citea@space\NAT@alias
2357 \fi
2358 \fi
2359 }%
2360 }%
2361 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{-}%
2362 \if\NAT@swa\else
2363 \@ifnum{\NAT@ctype=\z@}{%
2364 \if*#2*\else\NAT@cmt#2\fi
2365 }{-}%
2366 \NAT@mbox{\NAT@@close}%
2367 \fi
2368 }}{#1}{#2}%
2369 }%
2370 \AtBeginDocument{\NAT@set@cites}
2371 \DeclareRobustCommand\Latincite
2372 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2373 \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2374 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2375 \if\NAT@numbers\else
2376 \NAT@swafalse

```



```

2377 \fi
2378 \NAT@@Latin@@citetp[]}}
2379 \newcommand\NAT@@Latin@@citetp{}
2380 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar[{\@Latincitex[#1]}{\@Latincitex[][#1]}}

```

## 46 File packages-localise-xepersian.def

```

2381 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2382 color} \}{color} @\-localise-xepersian.def}}{}
2383 \@ifpackageloaded{multicol}{%
2384 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2385 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2386 }{}
2387 \@ifpackageloaded{verbatim}{%
2388 \begingroup
2389 \vrb@catcodes
2390 \lccode\!=`\ \lccode\ [=`\{ \lccode\}=\`
2391 \catcode\~= \active \lccode\ ~=`\^M
2392 \lccode\C= `C
2393 \lowercase{\endgroup
2394 \def\xepersian@localize@verbatim@start#1{%
2395 \verbatim@startline
2396 \if\noexpand#1\noexpand~%
2397 \let\next\xepersian@localize@verbatim@
2398 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2399 \next}%
2400 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2401 \def\xepersian@localize@verbatim@@#1! {%
2402 \verbatim@addtoline{#1}%
2403 \futurelet\next\xepersian@localize@verbatim@@@}%
2404 \def\xepersian@localize@verbatim@@@#1\@nil{%
2405 \ifx\next\@nil
2406 \verbatim@processline
2407 \verbatim@startline
2408 \let\next\xepersian@localize@verbatim@
2409 \else
2410 \def\@tempa##1! \@nil{##1}%
2411 \@temptokena{! }%
2412 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2413 \fi \next}%
2414 \def\xepersian@localize@verbatim@test#1{%
2415 \let\next\xepersian@localize@verbatim@test
2416 \if\noexpand#1\noexpand~%
2417 \expandafter\verbatim@addtoline
2418 \expandafter{\the\@temptokena}%
2419 \verbatim@processline
2420 \verbatim@startline
2421 \let\next\xepersian@localize@verbatim@
2422 \else \if\noexpand#1
2423 \@temptokena\expandafter{\the\@temptokena#1}%
2424 \else \if\noexpand#1\noexpand[%
2425 \let\@tempc\@empty
2426 \let\next\xepersian@localize@verbatim@testend
2427 \else

```



```

2428         \expandafter\verbatim@addtoline
2429         \expandafter{\the\@temptokena}%
2430         \def\next{\xepersian@localize@verbatim@#1}%
2431     \fi\fi\fi
2432     \next}%
2433 \def\xepersian@localize@verbatim@testend#1{%
2434     \if\noexpand#1\noexpand~%
2435         \expandafter\verbatim@addtoline
2436         \expandafter{\the\@temptokena}%
2437         \expandafter\verbatim@addtoline
2438         \expandafter{\@tempc}%
2439         \verbatim@processline
2440         \verbatim@startline
2441         \let\next\xepersian@localize@verbatim@
2442     \else\if\noexpand#1\noexpand]%
2443         \let\next\xepersian@localize@verbatim@@testend
2444     \else\if\noexpand#1\noexpand!%
2445         \expandafter\verbatim@addtoline
2446         \expandafter{\the\@temptokena}%
2447         \expandafter\verbatim@addtoline
2448         \expandafter{\@tempc}%
2449         \def\next{\xepersian@localize@verbatim@!}%
2450     \else \expandafter\def\expandafter\@tempc\expandafter
2451         {\@tempc#1}\fi\fi\fi
2452     \next}%
2453 \def\xepersian@localize@verbatim@@testend{%
2454     \ifx\@tempc\@currenvir
2455         \verbatim@finish
2456         \edef\next{\noexpand\end{\@currenvir}}%
2457         \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}}%
2458     \else
2459         \expandafter\verbatim@addtoline
2460         \expandafter{\the\@temptokena}%
2461         \expandafter\verbatim@addtoline
2462         \expandafter{\@tempc}%
2463         \let\next\xepersian@localize@verbatim@
2464     \fi
2465     \next}%
2466 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2467     \@warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2468 \def\
2469     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2470     \xepersian@localize@verbatim@start}
2471 \@namedef{
2472     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2473 \def\end
2474     {\endtrivlist\endgroup\@doendpe}
2475 \expandafter\let\csname end
2476     *\endcsname =\end
2477 }{}
2478 \ExplSyntaxOn
2479 \AtBeginDocument{
2480     \xepersian_localize_patch_verbatim:
2481 }
2482 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2483     \ifpackageloaded{verbatim}{
2484         \cs_set:cpn {*
2485             } }
2486     \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@

```



```

2482     }
2483   }{
2484   }
2485 }
2486 \ExplSyntaxOff
2487 \@ifpackageloaded{graphicx}{%
2488 \def\Gin@boolkey#1#2{%
2489 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2490 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2491 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2492 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2493 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}%
2494 \define@key{Grot}{origin}[c]{%
2495 \@tfor\@tempa:=#1\do{%
2496 \if l\@tempa \Grot@x\z\else
2497 \if tempa@ \Grot@x\z\else
2498 \if r\@tempa \Grot@x\width\else
2499 \if tempa@ \Grot@x\width\else
2500 \if t\@tempa \Grot@y\height\else
2501 \if tempa@ \Grot@y\height\else
2502 \if b\@tempa \Grot@y-\depth\else
2503 \if tempa@ \Grot@y-\depth\else
2504 \if B\@tempa \Grot@y\z\else
2505 \if tempa@ \Grot@y\z\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2506 {draft}{ }{Gin} @ \
2507 {origin}{ }{Gin} @ \
2508 {origin}{ }{Grot} @ \
2509 {clip}{ }{Gin} @ \
2510 {keepaspectratio}{ }{Gin} @ \
2511 {natwidth}{ }{Gin} @ \
2512 {natheight}{ }{Gin} @ \
2513 {bb}{ }{Gin} @ \
2514 {viewport}{ }{Gin} @ \
2515 {trim}{ }{Gin} @ \
2516 {angle}{ }{Gin} @ \
2517 {width}{ }{Gin} @ \
2518 {height}{ }{Gin} @ \
2519 {totalheight}{ }{Gin} @ \
2520 {scale}{ }{Gin} @ \
2521 {type}{ }{Gin} @ \
2522 {ext}{ }{Gin} @ \
2523 {read}{ }{Gin} @ \
2524 {command}{ }{Gin} @ \
2525 {x}{ }{Grot} @ \
2526 {y}{ }{Grot} @ \
2527 {units}{ }{Grot} @ \
2528 }{}

```

## 47 File url-xepersian.def

```

2529 \ProvidesFile{url-xepersian.def}[2022/02/18 v0.1 adaptations for url package]
2530 \begingroup
2531 \lccode`+=`%\lccode`~`=\%
2532 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}}%

```



```

2533 \ifnum\Umathcodenum`\%<32768 \def~{\%}\fi}}%
2534 \endgroup%

```

## 48 File persian-tex-text.map

```

2535 LHSName "persian-TeX-text"
2536 RHSName "Unicode"
2537
2538 pass(Unicode)
2539 U+0030 <> U+06F0 ;
2540 U+0031 <> U+06F1 ;
2541 U+0032 <> U+06F2 ;
2542 U+0033 <> U+06F3 ;
2543 U+0034 <> U+06F4 ;
2544 U+0035 <> U+06F5 ;
2545 U+0036 <> U+06F6 ;
2546 U+0037 <> U+06F7 ;
2547 U+0038 <> U+06F8 ;
2548 U+0039 <> U+06F9 ;
2549
2550
2551 U+002C <> U+060C ; comma > arabic comma
2552 U+003F <> U+061F ; question mark -> arabic qm
2553 U+003B <> U+061B ; semicolon -> arabic semicolon
2554
2555 ; ligatures from Knuth's original CMR fonts
2556 U+002D U+002D <> U+2013 ; -- -> en dash
2557 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2558
2559 U+0027 <> U+2019 ; ' -> right single quote
2560 U+0027 U+0027 <> U+201D ; '' -> right double quote
2561 U+0022 > U+201D ; " -> right double quote
2562
2563 U+0060 <> U+2018 ; ` -> left single quote
2564 U+0060 U+0060 <> U+201C ; `` -> left double quote
2565
2566 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2567 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2568
2569 ; additions supported in T1 encoding
2570 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2571 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2572 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 49 File persian-tex-text-nonnumbers.map

```

2573 LHSName "persian-TeX-text-nonnumbers"
2574 RHSName "Unicode"
2575
2576 pass(Unicode)
2577 U+002C <> U+060C ; comma > arabic comma
2578 U+003F <> U+061F ; question mark -> arabic qm
2579 U+003B <> U+061B ; semicolon -> arabic semicolon
2580

```



```

2581 ; ligatures from Knuth's original CMR fonts
2582 U+002D U+002D <> U+2013 ; -- -> en dash
2583 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2584
2585 U+0027 <> U+2019 ; ' -> right single quote
2586 U+0027 U+0027 <> U+201D ; '' -> right double quote
2587 U+0022 > U+201D ; " -> right double quote
2588
2589 U+0060 <> U+2018 ; ` -> left single quote
2590 U+0060 U+0060 <> U+201C ; `` -> left double quote
2591
2592 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclamation
2593 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2594
2595 ; additions supported in T1 encoding
2596 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2597 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2598 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 50 File rapport1-xepersian.def

```

2599 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2600 \renewcommand*\thepart{\@tartibi\c@part}
2601 \renewcommand*\appendix{\par
2602   \setcounter{chapter}{0}%
2603   \setcounter{section}{0}%
2604   \gdef\@chapapp{\appendixname}%
2605   \gdef\thechapter{\@harfi\c@chapter}}

```

## 51 File rapport3-xepersian.def

```

2606 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2607 \renewcommand*\thepart{\@tartibi\c@part}
2608 \renewcommand*\appendix{\par
2609   \setcounter{chapter}{0}%
2610   \setcounter{section}{0}%
2611   \gdef\@chapapp{\appendixname}%
2612   \gdef\thechapter{\@harfi\c@chapter}}

```

## 52 File refrep-xepersian.def

```

2613 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2614 \renewcommand \thepart {\@tartibi\c@part}
2615 \renewcommand\appendix{\par
2616   \setcounter{chapter}{0}%
2617   \setcounter{section}{0}%
2618   \gdef\@chapapp{\appendixname}%
2619   \gdef\thechapter{\@harfi\c@chapter}
2620 }%end appendix

```

## 53 File report-xepersian.def

```

2621 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2622 \renewcommand \thepart {\@tartibi\c@part}

```



```

2623 \renewcommand\appendix{\par
2624   \setcounter{chapter}{0}%
2625   \setcounter{section}{0}%
2626   \gdef\@chapapp{\appendixname}%
2627   \gdef\thechapter{\@harfi\c@chapter}
2628 }%end appendix

```

## 54 File scrartcl-xepersian.def

```

2629 \ProvidesFile{scrartcl-xepersian.def}[2022/05/22 v0.3 adaptations for scrartcl class]
2630 \renewcommand*{\thepart}{\@tartibi\c@part}
2631 \renewcommand*{\appendix}{%
2632   \Ifstr{\@currentenv}{appendix}{%
2633     \ClassWarning{\KOMAClassName}{%
2634       You are using
2635       \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2636       You should note, that \string\appendix' is a mostly
2637       globally\MessageBreak
2638       working command not an enviroment with only local\MessageBreak
2639       effects. Therefore \string\end{appendix}' will neither\MessageBreak
2640       switch back to normal section numbering nor finish\MessageBreak
2641       every other effect of \string\begin{appendix}'.\MessageBreak
2642       Nevertheless, some effects may end with\MessageBreak
2643       \string\end{appendix}' and the document may become\MessageBreak
2644       inconsistent.\MessageBreak
2645       Because of this, you should remove \string\end{appendix}'\MessageBreak
2646       and replace \string\begin{appendix}' by command\MessageBreak
2647       \string\appendix'%
2648     }%
2649   }{}%
2650   \par
2651   \setcounter{section}{0}%
2652   \setcounter{subsection}{0}%
2653   \gdef\thesection{\@harfi\c@section}%
2654 }
2655 \IfLTXAtLeastTF{2020/10/01}{%
2656   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2657 }{}
2658 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2659 \renewcommand*{\@maybeautodot}[1]{%
2660   \ifx #1\@stop\let\@maybeautodot\relax
2661   \else
2662     \ifx #1\harfi \@autodottrue\fi
2663     \ifx #1\adadi \@autodottrue\fi
2664     \ifx #1\tartibi \@autodottrue\fi
2665     \ifx #1\Alph \@autodottrue\fi
2666     \ifx #1\alph \@autodottrue\fi
2667     \ifx #1\Roman \@autodottrue\fi
2668     \ifx #1\roman \@autodottrue\fi
2669     \ifx #1\@harfi \@autodottrue\fi
2670     \ifx #1\@adadi \@autodottrue\fi
2671     \ifx #1\@tartibi \@autodottrue\fi
2672     \ifx #1\@Alph \@autodottrue\fi
2673     \ifx #1\@alph \@autodottrue\fi

```



```

2674 \ifx #1\@Roman \@autodottrue\fi
2675 \ifx #1\@roman \@autodottrue\fi
2676 \ifx #1\romannumeral \@autodottrue\fi
2677 \fi
2678 \@maybeautodot
2679 }

```

## 55 File scrbook-xepersian.def

```

2680 \ProvidesFile{scrbook-xepersian.def}[2022/05/22 v0.3 adaptations for scrbook class]
2681 \renewcommand*{frontmatter}{%
2682 \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2683 \@mainmatterfalse\pagenumbering{harfi}%
2684 }
2685 \renewcommand*{thepart}{\@tartibi\c@part}
2686 \renewcommand*{appendix}{%
2687 \Ifstr{\@currentenv}{appendix}{%
2688 \ClassWarning{KOMAClassName}{%
2689 You are using
2690 \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2691 You should note, that \string\appendix' is a mostly
2692 globally\MessageBreak
2693 working command not an environment with only local\MessageBreak
2694 effects. Therefore \string\end{appendix}' will neither\MessageBreak
2695 switch back to normal section numbering nor finish\MessageBreak
2696 every other effect of \string\begin{appendix}'.\MessageBreak
2697 Nevertheless, some effects may end with\MessageBreak
2698 \string\end{appendix}' and the document may become\MessageBreak
2699 inconsistent.\MessageBreak
2700 Because of this, you should remove \string\end{appendix}'.\MessageBreak
2701 and replace \string\begin{appendix}' by command\MessageBreak
2702 \string\appendix'%
2703 }%
2704 }{}%
2705 \par
2706 \setcounter{chapter}{0}%
2707 \setcounter{section}{0}%
2708 \gdef\@chapapp{\appendixname}%
2709 \gdef\thechapter{\@harfi\c@chapter}%
2710 }
2711 \IfLTXAtLeastTF{2020/10/01}{%
2712 \g@addto@macro{\appendix}{\UseOneTimeHook{KOMAClassName/appendix}}%
2713 }{}
2714 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2715 \renewcommand*{\@maybeautodot}[1]{%
2716 \ifx #1\@stop\let\@maybeautodot\relax
2717 \else
2718 \ifx #1\harfi \@autodottrue\fi
2719 \ifx #1\adadi \@autodottrue\fi
2720 \ifx #1\tartibi \@autodottrue\fi
2721 \ifx #1\Alph \@autodottrue\fi
2722 \ifx #1\alph \@autodottrue\fi
2723 \ifx #1\Roman \@autodottrue\fi
2724 \ifx #1\roman \@autodottrue\fi

```





```

2725 \ifx #1\@harfi \@autodottrue\fi
2726 \ifx #1\@adadi \@autodottrue\fi
2727 \ifx #1\@tartibi \@autodottrue\fi
2728 \ifx #1\@Alph \@autodottrue\fi
2729 \ifx #1\@alph \@autodottrue\fi
2730 \ifx #1\@Roman \@autodottrue\fi
2731 \ifx #1\@roman \@autodottrue\fi
2732 \ifx #1\romannumeral \@autodottrue\fi
2733 \fi
2734 \@maybeautodot
2735 }

```

## 56 File screprpt-xepersian.def

```

2736 \ProvidesFile{screprpt-xepersian.def}[2022/05/22 v0.3 adaptations for screprpt class]
2737 \renewcommand*{\thepart}{\@tartibi\c@part}
2738 \renewcommand*\appendix{%
2739 \Ifstr{\@currentenv}{appendix}{%
2740 \ClassWarning{\KOMAClassName}{%
2741 You are using
2742 \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2743 You should note, that \string\appendix' is a mostly
2744 globally\MessageBreak
2745 working command not an enviroment with only local\MessageBreak
2746 effects. Therefore \string\end{appendix}' will neither\MessageBreak
2747 switch back to normal section numbering nor finish\MessageBreak
2748 every other effect of \string\begin{appendix}'.\MessageBreak
2749 Nevertheless, some effects may end with\MessageBreak
2750 \string\end{appendix}' and the document may become\MessageBreak
2751 inconsistent.\MessageBreak
2752 Because of this, you should remove \string\end{appendix}'\MessageBreak
2753 and replace \string\begin{appendix}' by command\MessageBreak
2754 \string\appendix'%
2755 }%
2756 }{}%
2757 \par
2758 \setcounter{chapter}{0}%
2759 \setcounter{section}{0}%
2760 \gdef\@chapapp{\appendixname}%
2761 \gdef\thechapter{\@harfi\c@chapter}%
2762 }
2763 \IfLTAtLeastTF{2020/10/01}{%
2764 \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2765 }{}
2766 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2767 \renewcommand*{\@maybeautodot}[1]{%
2768 \ifx #1\@stop\let\@maybeautodot\relax
2769 \else
2770 \ifx #1\harfi \@autodottrue\fi
2771 \ifx #1\adadi \@autodottrue\fi
2772 \ifx #1\tartibi \@autodottrue\fi
2773 \ifx #1\Alph \@autodottrue\fi
2774 \ifx #1\alph \@autodottrue\fi
2775 \ifx #1\Roman \@autodottrue\fi

```



```

2776 \ifx #1\roman \@autodottrue\fi
2777 \ifx #1\@harfi \@autodottrue\fi
2778 \ifx #1\@adadi \@autodottrue\fi
2779 \ifx #1\@tartibi \@autodottrue\fi
2780 \ifx #1\@Alph \@autodottrue\fi
2781 \ifx #1\@alph \@autodottrue\fi
2782 \ifx #1\@Roman \@autodottrue\fi
2783 \ifx #1\@roman \@autodottrue\fi
2784 \ifx #1\romannumeral \@autodottrue\fi
2785 \fi
2786 \@maybeautodot
2787 }

```

## 57 File soul-xepersian.def

```

2788 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2789 \let\SOUL@tt@latin\SOUL@tt
2790 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2791 \def\SOUL@tt{%
2792   \if@nonlatin
2793     \SOUL@tt@nonlatin
2794   \else
2795     \SOUL@tt@latin
2796   \fi
2797 }
2798 \bidi@appto\resetlatinfont{%
2799   \setbox\z@\hbox{\SOUL@tt-}%
2800   \SOUL@ttwidth\wd\z@
2801 }
2802 \bidi@appto\setpersianfont{%
2803   \setbox\z@\hbox{\SOUL@tt-}%
2804   \SOUL@ttwidth\wd\z@
2805 }

```

## 58 File tkz-linknodes-xepersian.def

```

2806 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pac
2807 \renewcommand*{\@SetTab}{%
2808 \let\@alph\@latinalph%
2809 \ifnum \value{C@NumTab}>25\relax%
2810   \setcounter{C@NumTab}{1}%
2811 \else%
2812   \stepcounter{C@NumTab}%
2813 \fi%
2814 \setcounter{C@NumGroup}{0}%
2815 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2816 \setboolean{B@FirstLink}{true}
2817 \setboolean{B@NewGroup}{false}
2818 \setcounter{C@NumGroup}{0}
2819 \setcounter{C@CurrentGroup}{0}
2820 \setcounter{NumC@Node}{0}
2821 \setcounter{NumC@stop}{0}
2822 \setcounter{C@NextNode}{0}
2823 \setcounter{C@CurrentStop}{0}

```



```

2824 \setcounter{C@CurrentNode}{0}
2825 }%

```

## 59 File tocloft-xepersian.def

```

2826 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2827 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2828 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2829 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2830 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2831 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2832 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2833 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2834 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2835 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2836 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 60 File varioref-xepersian.def

```

2837 \ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref package]
2838 \def\reftextfaceafter{%
2839   \if@RTL
2840
2841   \reftextvario{ }{ }%
2842   \else
2843     on the \reftextvario{facing}{next} page%
2844   \fi
2845 }
2846 \def\reftextfacebefore{%
2847   \if@RTL
2848
2849   \reftextvario{ }{ }%
2850   \else
2851     on the \reftextvario{facing}{preceding} page%
2852   \fi
2853 }
2854 \def\reftextafter{%
2855   \if@RTL
2856
2857   \reftextvario{ }{ }%
2858   \else
2859     on the \reftextvario{following}{next} page%
2860   \fi
2861 }
2862 \def\reftextbefore{%
2863   \if@RTL
2864
2865   \reftextvario{ }{ }%
2866   \else
2867     on the \reftextvario{preceding}{previous} page%
2868   \fi
2869 }
2870 \def\reftextcurrent{%
2871   \if@RTL

```



```

2872
2873 \reftextvario{      }{   }%{
2874   \else
2875     on \reftextvario{this}{the current} page%
2876   \fi
2877 }
2878 \def\reftextfaraway#1{%
2879   \if@RTL
2880     %
2881 ~\pageref{#1}%
2882   \else
2883     on page~\pageref{#1}%
2884   \fi
2885 }
2886 \def\reftextpagerange#1#2{%
2887   \if@RTL
2888     %
2889 ~\pageref{#1}--\pageref{#2}%
2890   \else
2891     on pages~\pageref{#1}--\pageref{#2}%
2892   \fi
2893 }
2894 \def\reftextlabelrange#1#2{%
2895   \if@RTL
2896     \ref{#1} %ref{#2}\~
2897   \else
2898     \ref{#1} to~\ref{#2}%
2899   \fi
2900 }

```

## 61 File xepersian.sty

```

2901 \NeedsTeXFormat{LaTeX2e}
2902 \def\xepersian@version{25.3}
2903 \def\xepersiandate{2024/12/15}
2904 \def\xepersian@releasename{Mount Damavand}
2905 \def\xepersian@persian@releasename{  }
2906 \newcommand*\xepersianreleasename{\if@RTL\xepersian@persian@releasename\else\xepersian@re
2907 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space (Release \xepersi
2908 Persian typesetting in XeLaTeX]
2909 \newif\if@xepersian@banner
2910 \newif\if@xepersian@computeautoilg
2911 \DeclareUnknownKeyHandler{%
2912   \PassOptionsToPackage{\CurrentOption}{bidi}%
2913 }
2914 \ExplSyntaxOn
2915 \keys_define:nn { xepersian }
2916 {
2917   banner .choice: ,
2918   banner / on .code:n =
2919     \@xepersian@bannertrue
2920     \PassOptionsToPackage{banner=on}{bidi} ,
2921   banner / off .code:n =
2922     \@xepersian@bannerfalse

```



```

2923     \PassOptionsToPackage{banner=off}{bidi} ,
2924     banner .default:n = on
2925   }
2926 \keys_define:nn { xepersian }
2927 {
2928   mathdigits .choice: ,
2929   mathdigits / automatic .code:n = \AtEndOfPackage{\AutoMathDigits} ,
2930   mathdigits / default .code:n = \AtEndOfPackage{\DefaultMathDigits} ,
2931   mathdigits / persian .code:n = \AtEndOfPackage{\PersianMathDigits}
2932 }
2933 \keys_define:nn { xepersian }
2934 {
2935   inlinemathdigits .choice: ,
2936   inlinemathdigits / automatic .code:n = \AtEndOfPackage{\AutoInlineMathDigits} ,
2937   inlinemathdigits / default .code:n = \AtEndOfPackage{\DefaultInlineMathDigits} ,
2938   inlinemathdigits / persian .code:n = \AtEndOfPackage{\PersianInlineMathDigits}
2939 }
2940 \keys_define:nn { xepersian }
2941 {
2942   displaymathdigits .choice: ,
2943   displaymathdigits / automatic .code:n = \AtEndOfPackage{\AutoDisplayMathDigits} ,
2944   displaymathdigits / default .code:n = \AtEndOfPackage{\DefaultDisplayMathDigits} ,
2945   displaymathdigits / persian .code:n = \AtEndOfPackage{\PersianDisplayMathDigits}
2946 }
2947 \keys_define:nn { xepersian }
2948 {
2949   Kashida .choice: ,
2950   Kashida / on .code:n = \AtEndOfPackage{\input{kashida-xepersian.def}} ,
2951   Kashida / off .code:n = \relax ,
2952   Kashida .default:n = on
2953 }
2954 \keys_define:nn { xepersian }
2955 {
2956   localise .choice: ,
2957   localise / on .code:n = \AtEndOfPackage{\input{localise-xepersian.def}} ,
2958   localise / off .code:n = \relax ,
2959   localise .default:n = on
2960 }
2961 \cs_new_protected:Npn \__xepersian_quickindex_variant:n #1
2962 {
2963   \AtEndOfPackage{%
2964     \ifwritexviii
2965       \@ifclassloaded{memoir}{%
2966         \PackageError{xepersian}{%
2967           This~feature~does~not~yet~work~with~the~memoir~class}{}%
2968       }{%
2969         \renewcommand\printindex{\newpage%
2970           \immediate\closeout\@indexfile
2971           \immediate\write18{%
2972             xindy~-~L~persian-variant#1~-~C~utf8~-~M~texindy~-~M~page-ranges~\jobname.idx}
2973           \@input@{\jobname.ind}}%
2974       }
2975     \else
2976       \PackageError{xepersian}{%

```



```

2977         "shell~escape"~(or~"write18")~is~not~enabled.~You~need~to~run~"xelatex---shell-esc
2978         \fi
2979     }
2980 }
2981 \keys_define:nn { xepersian }
2982 {
2983     quickindex-variant .choice: ,
2984     quickindex-variant / one .code:n = \__xepersian_quickindex_variant:n { 1 } ,
2985     quickindex-variant / two .code:n = \__xepersian_quickindex_variant:n { 2 } ,
2986     quickindex-variant / three .code:n = \__xepersian_quickindex_variant:n { 3 }
2987 }
2988 \keys_define:nn { xepersian }
2989 {
2990     abjad-variant .choice: ,
2991     abjad-variant / one .code:n =
2992         \def\PersianAlphs{%
2993             \let\@alph\@abjad
2994             \let\@Alph\@abjad
2995         } ,
2996     abjad-variant / two .code:n =
2997         \def\PersianAlphs{%
2998             \let\@alph\@Abjad
2999             \let\@Alph\@Abjad
3000         }
3001 }
3002 \keys_define:nn { xepersian }
3003 {
3004     defaultlatinfontfeatures .code:n = \AtEndOfPackage{\defaultfontfeatures[\latinfont]{#1}}
3005 }
3006 \keys_define:nn { xepersian }
3007 {
3008     mathfontssize@scale .code:n = \def\xepersian@@math@fontsize@scale{#1}
3009 }
3010 \keys_define:nn { xepersian }
3011 {
3012     fontsize@scale .code:n = \def\xepersian@@fontsize@scale{#1}
3013 }
3014 \keys_define:nn { xepersian }
3015 {
3016     fontsize .code:n = \AtEndOfPackage{\xepersian@@fontsize@branch{#1}}
3017 }
3018 \keys_define:nn { xepersian }
3019 {
3020     latinfontssize@scale .code:n = \def\xepersian@@latin@fontsize@scale{#1}
3021 }
3022 \keys_define:nn { xepersian }
3023 {
3024     baselineskip@scale .code:n = \def\xepersian@@baselineskip@scale{#1}
3025 }
3026 \keys_define:nn { xepersian }
3027 {
3028     latinbaselineskip@scale .code:n = \def\xepersian@@latin@baselineskip@scale{#1}
3029 }
3030 \keys_define:nn { xepersian }

```



```

3031 {
3032   computeautoilg .choice: ,
3033   computeautoilg / on .code:n = \@xepersian@computeautoilgtrue ,
3034   computeautoilg / off .code:n = \@xepersian@computeautoilgfalse ,
3035   computeautoilg .default:n = on
3036 }
3037 \keys_define:nn { xepersian }
3038 {
3039   debugtextdigitfont .choice: ,
3040   debugtextdigitfont / on .code:n = \AtEndOfPackage{%
3041     \bidi@AtEndPreamble{%
3042       \bidi@patchcmd\xepersian@start@switch@textdigitfont\xepersian@textdigitfont{%
3043         \addfontfeature{Color=C71585}
3044       }{}{}
3045     }
3046   } ,
3047   debugtextdigitfont / off .code:n = \relax ,
3048   debugtextdigitfont .default:n = on
3049 }
3050 \keys_set:nn { xepersian }
3051 {
3052   banner = on ,
3053   abjad-variant = two ,
3054   fontsizescale = \@ne ,
3055   latinfontsizescale = \@ne ,
3056   mathfontsizescale = \@ne ,
3057   baselineskip scale = \@ne ,
3058   latinbaselineskip scale = \@ne
3059 }
3060 \ExplSyntaxOff
3061 \ProcessKeyOptions
3062 \edef\@xepersian@info{*****~J%
3063 * ~J%
3064 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
3065 * ~J%
3066 * Description: The package supports Persian~J%
3067 * typesetting, using fonts provided in the~J%
3068 * distribution.~J%
3069 * ~J%
3070 * Copyright (c) 2008--2024 Vafa Khalighi~J%
3071 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%
3072 * ~J%
3073 * v\xepersian@version\space (Release \xepersian@releasename), \xepersiandate~J%
3074 * ~J%
3075 * License: LaTeX Project Public License, version~J%
3076 * 1.3c or higher (your choice)~J%
3077 * ~J%
3078 * Location on CTAN: /macros/xetex/latex/xepersian~J%
3079 * ~J%
3080 * Issue tracker: https://github.com/xepersian/xepersian/issues~J%
3081 * ~J%
3082 * Discussions: https://github.com/xepersian/xepersian/discussions~J%
3083 * ~J%
3084 * Primary author of xepersian package: Vafa Khalighi.~J%

```



```

3085 * ^^J%
3086 *****}
3087 \edef\xepersian@everyjob{\the\everyjob}
3088 \if\xepersian@banner
3089   \typeout{\@xepersian@info}
3090   \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
3091 \fi
3092 \RequirePackage{fontspec}
3093 \RequirePackage{xepersian-persiancal}
3094 \RequirePackage{xepersian-mathdigitspec}
3095 \RequirePackage[%
3096   documentdirection=righttoleft,%
3097   tabledirection=righttoleft,%
3098   script=nonlatin,%
3099   footnotedirection=righttoleft,%
3100   footnoterule=automatic%
3101 ]{bidi}
3102 \newcommand*{\xepersianversion}
3103   {\ensuremath\xepersian@version}
3104 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
3105   \ifdim\xepersian@version pt > #1 pt %
3106     \expandafter\@firstoftwo
3107   \else
3108     \expandafter\@secondoftwo
3109   \fi}
3110 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
3111   \ifdim\xepersian@version pt < #1 pt %
3112     \expandafter\@firstoftwo
3113   \else
3114     \expandafter\@secondoftwo
3115   \fi}
3116 \newcommand*{\IfxepersianPackageVersion}[1]{%
3117   \ifdim\xepersian@version pt = #1 pt %
3118     \expandafter\@firstoftwo
3119   \else
3120     \expandafter\@secondoftwo
3121   \fi}
3122 \def\prq{<}
3123 \def\plq{>}
3124 \def\xepersian@cmds@temp#1{%
3125   \begingroup\expandafter\expandafter\expandafter\endgroup
3126   \expandafter\ifx\csname xepersian@#1\endcsname\relax
3127     \begingroup
3128       \escapechar=-1 %
3129       \edef\x{\expandafter\meaning\csname#1\endcsname}%
3130       \def\y{#1}%
3131       \def\z##1->{%}%
3132       \edef\y{\expandafter\z\meaning\y}%
3133     \expandafter\endgroup
3134     \ifx\x\y
3135       \expandafter\def\csname xepersian@#1\endcsname
3136       \expandafter{%
3137         \csname#1\endcsname
3138       }%

```





```

3139     \fi
3140 \fi
3141 }%
3142 \xepersian@cmds@temp{shellescape}
3143 \newif\ifwritexviii
3144 \ifnum\xepersian@shellescape=1\relax
3145   \writexviii>true
3146 \else
3147   \writexviii>false
3148 \fi
3149 \newfontscript{Persian}{arab}
3150 \newfontlanguage{Persian}{FAR}
3151 \ExplSyntaxOn
3152
3153 \keys_define:nn {fontspec-opentype}
3154 {
3155   Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
3156   Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3157   Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3158 }
3159
3160 \keys_define:nn {fontspec-aat}
3161 {
3162   Ligatures / PersianTeX .code:n =
3163   {
3164     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3165   }
3166 }
3167
3168 \keys_define:nn {fontspec-opentype}
3169 {
3170   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-
3171   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3172   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3173 }
3174
3175 \keys_define:nn {fontspec-aat}
3176 {
3177   Ligatures / PersianTeXNoNumbers .code:n =
3178   {
3179     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonumbers }
3180   }
3181 }
3182
3183 \DeclareDocumentCommand \settextfont { 0{} m 0{} }
3184 {
3185   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3186   \ignorespaces
3187 }
3188 \cs_new:Nn \__xepersian_main_settextfont:nn
3189 {
3190   \fontspec_set_family:Nnn \l__fontspec_persianfont_family_tl {RawFeature={script=arab},Liga
3191   \tl_set_eq:NN \rmdefault \l__fontspec_persianfont_family_tl
3192   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont } }

```



```

3193 {
3194   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3195   \exp_not:N \fontfamily { \l__fontspec_persianfont_family_tl }
3196   \exp_not:N \selectfont
3197 }
3198 }
3199 \str_if_eq:eeT {\familydefault} {\rmdefault}
3200 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3201 \__xepersian_settextfont_hook:nn {#1} {#2}
3202 \normalfont
3203 }
3204
3205 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3206
3207 \DeclareDocumentCommand \settextdigitfont { O{} m O{} }
3208 {
3209   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3210   \ignorespaces
3211 }
3212 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
3213 {
3214   \fontspec_set_family:Nnn \l__fontspec_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3215   \use:x
3216   {
3217     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3218     {
3219       \exp_not:N \fontfamily { \l__fontspec_textdigitfont_family_tl }
3220       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3221       \exp_not:N \selectfont
3222     }
3223   }
3224   \__xepersian_settextdigitfont_hook:nn {#1} {#2}
3225   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3226   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3227   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3228   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3229   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3230   \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashIntercharclass}
3231   \if@bidi@csundef{xepersian@D}{\%
3232     \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3233     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
3234     \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3235     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
3236     \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3237     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
3238     \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3239     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textdigitfont}
3240   }
3241 }
3242
3243 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3244 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3245
3246 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn

```



```

3247
3248 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }
3249 {
3250   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3251   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3252   \ignorespaces
3253 }
3254
3255
3256 \DeclareDocumentCommand \setlatintextfont { 0{ } m 0{ } }
3257 {
3258   \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3259   \ignorespaces
3260 }
3261 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3262 {
3263   \fontspec_set_family:Nnn \l__fontspec_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3264   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3265     {
3266       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3267       \exp_not:N \fontfamily { \l__fontspec_latinfont_family_tl }
3268       \exp_not:N \selectfont
3269     }
3270   }
3271   \str_if_eq:eeT {\familydefault} {\rmdefault}
3272     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3273   \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3274   \normalfont
3275 }
3276
3277 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3278
3279 \tl_set_eq:NN \setlatinsansfont \setsansfont
3280 \tl_set_eq:NN \setlatinmonofont \setmonofont
3281
3282 \DeclareDocumentCommand \defpersianfont { m 0{ } m 0{ } }
3283 {
3284   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3285   \NewDocumentCommand
3286 }
3287 \DeclareDocumentCommand \redefpersianfont { m 0{ } m 0{ } }
3288 {
3289   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3290   \RenewDocumentCommand
3291 }
3292 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3293 {
3294   \fontspec_set_family:cnn { \l__fontspec_ \cs_to_str:N #1 _family_tl } {RawFeature={script=a
3295   \use:x
3296     {
3297       \exp_not:N #4 \exp_not:N #1 {}
3298       {
3299         \exp_not:N \fontfamily { \use:c { \l__fontspec_ \cs_to_str:N #1 _family_tl } }
3300         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }

```



```

3301     \exp_not:N \selectfont
3302   }
3303 }
3304 }
3305
3306 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3307 {
3308   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3309   \NewDocumentCommand
3310 }
3311 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3312 {
3313   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3314   \RenewDocumentCommand
3315 }
3316 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3317 {
3318   \fontspec_set_family:cn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3319   \use:x
3320   {
3321     \exp_not:N #4 \exp_not:N #1 {
3322       {
3323         \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3324         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3325         \exp_not:N \selectfont
3326       }
3327     }
3328   }
3329
3330 \newcommand\persiansfdefault{}
3331 \newcommand\persianttdefault{}
3332 \newcommand\iranicsfdefault{}
3333 \newcommand\navarsfdefault{}
3334 \newcommand\pooksfdefault{}
3335 \newcommand\sayehsfdefault{}
3336 \DeclareRobustCommand\persiansffamily
3337   {\not@math@alphabet\persiansffamily\mathpersiansf
3338    \fontfamily\persiansfdefault\selectfont}
3339 \DeclareRobustCommand\persianttfamily
3340   {\not@math@alphabet\persianttfamily\mathpersiantt
3341    \fontfamily\persianttdefault\selectfont}
3342 \DeclareRobustCommand\iranicfamily
3343   {\not@math@alphabet\iranicfamily\mathiranicsf
3344    \fontfamily\iranicsfdefault\selectfont}
3345 \DeclareRobustCommand\navarfamilly
3346   {\not@math@alphabet\navarfamilly\mathnavar
3347    \fontfamily\navarsfdefault\selectfont}
3348 \DeclareRobustCommand\pookfamily
3349   {\not@math@alphabet\pookfamily\mathpook
3350    \fontfamily\pooksfdefault\selectfont}
3351 \DeclareRobustCommand\sayehfamily
3352   {\not@math@alphabet\sayehfamily\mathsayeh
3353    \fontfamily\sayehsfdefault\selectfont}
3354 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}

```



```

3355 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3356 \DeclareTextFontCommand{\textiranica}{\iranicafamily}
3357 \DeclareTextFontCommand{\textnavar}{\navarfamil}
3358 \DeclareTextFontCommand{\textpook}{\pookfamily}
3359 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3360
3361 \DeclareDocumentCommand \setpersiansansfont { 0{ } m 0{ } }
3362 {
3363   \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3364   \ignorespaces
3365 }
3366 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3367 {
3368   \fontspec_set_family:Nnn \l__fontspec_persiansffamily_family_tl {RawFeature={script=arab}},
3369   \tl_set_eq:NN \persiansfdefault \l__fontspec_persiansffamily_family_tl
3370   \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3371     {
3372       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3373       \exp_not:N \fontfamily { \l__fontspec_persiansffamily_family_tl }
3374       \exp_not:N \selectfont
3375     }
3376   }
3377   \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3378   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3379   \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3380   \normalfont
3381 }
3382
3383 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3384
3385 \DeclareDocumentCommand \setpersianmonofont { 0{ } m 0{ } }
3386 {
3387   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3388   \ignorespaces
3389 }
3390 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3391 {
3392   \fontspec_set_family:Nnn \l__fontspec_persianttfamily_family_tl {RawFeature={script=arab}},
3393   \tl_set_eq:NN \persianttdefault \l__fontspec_persianttfamily_family_tl
3394   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3395     {
3396       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3397       \exp_not:N \fontfamily { \l__fontspec_persianttfamily_family_tl }
3398       \exp_not:N \selectfont
3399     }
3400   }
3401   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3402   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3403   \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3404   \normalfont
3405 }
3406
3407 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3408

```



```

3409 \DeclareDocumentCommand \setnavarfont { 0{ } m 0{ } }
3410 {
3411     \_xepersian_main_setnavarfont:nn {#1,#3} {#2}
3412     \ignorespaces
3413 }
3414 \cs_new:Nn \_xepersian_main_setnavarfont:nn
3415 {
3416     \fontspec_set_family:Nnn \l__fontspec_navarfamilly_family_tl {RawFeature={script=arab},Ligat
3417     \tl_set_eq:NN \navardefault \l__fontspec_navarfamilly_family_tl
3418     \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3419     {
3420         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3421         \exp_not:N \fontfamily { \l__fontspec_navarfamilly_family_tl }
3422         \exp_not:N \selectfont
3423     }
3424 }
3425 \str_if_eq:eeT {\familydefault} {\navardefault}
3426 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3427 \_xepersian_setnavarfont_hook:nn {#1} {#2}
3428 \normalfont
3429 }
3430
3431 \cs_set_eq:NN \_xepersian_setnavarfont_hook:nn \use_none:nn
3432
3433 \DeclareDocumentCommand \setpookfont { 0{ } m 0{ } }
3434 {
3435     \_xepersian_main_setpookfont:nn {#1,#3} {#2}
3436     \ignorespaces
3437 }
3438 \cs_new:Nn \_xepersian_main_setpookfont:nn
3439 {
3440     \fontspec_set_family:Nnn \l__fontspec_pookfamily_family_tl {RawFeature={script=arab},Ligat
3441     \tl_set_eq:NN \pookdefault \l__fontspec_pookfamily_family_tl
3442     \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3443     {
3444         \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3445         \exp_not:N \fontfamily { \l__fontspec_pookfamily_family_tl }
3446         \exp_not:N \selectfont
3447     }
3448 }
3449 \str_if_eq:eeT {\familydefault} {\pookdefault}
3450 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3451 \_xepersian_setpookfont_hook:nn {#1} {#2}
3452 \normalfont
3453 }
3454
3455 \cs_set_eq:NN \_xepersian_setpookfont_hook:nn \use_none:nn
3456
3457 \DeclareDocumentCommand \setsayehfont { 0{ } m 0{ } }
3458 {
3459     \_xepersian_main_setsayehfont:nn {#1,#3} {#2}
3460     \ignorespaces
3461 }
3462 \cs_new:Nn \_xepersian_main_setsayehfont:nn

```



```

3463 {
3464 \fontspec_set_family:Nnn \l__fontspec_sayehfamily_family_tl {RawFeature={script=arab},Lig
3465 \tl_set_eq:NN \sayehdefault \l__fontspec_sayehfamily_family_tl
3466 \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3467 {
3468 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3469 \exp_not:N \fontfamily { \l__fontspec_sayehfamily_family_tl }
3470 \exp_not:N \selectfont
3471 }
3472 }
3473 \str_if_eq:eeT {\familydefault} {\sayehdefault}
3474 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3475 \__xepersian_setsayehfont_hook:nn {#1} {#2}
3476 \normalfont
3477 }
3478
3479 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3480
3481 \DeclareDocumentCommand \setiraniconfont { 0{ } m 0{ } }
3482 {
3483 \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3484 \ignorespaces
3485 }
3486 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3487 {
3488 \fontspec_set_family:Nnn \l__fontspec_iranicfamily_family_tl {RawFeature={script=arab},Lig
3489 \tl_set_eq:NN \iraniconfont \l__fontspec_iranicfamily_family_tl
3490 \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfamily }
3491 {
3492 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3493 \exp_not:N \fontfamily { \l__fontspec_iranicfamily_family_tl }
3494 \exp_not:N \selectfont
3495 }
3496 }
3497 \str_if_eq:eeT {\familydefault} {\iraniconfont}
3498 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3499 \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3500 \normalfont
3501 }
3502
3503 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3504
3505 \ExplSyntaxOff
3506 \def\resetlatinfont{%
3507 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3508 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3509 \def\xepersian@@fontsize@scale{%
3510 \strip@pt\dimexpr 1pt * \dimexpr
3511 \xepersian@@latin@fontsize@scale pt\relax
3512 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3513 }%
3514 \def\xepersian@@baselineskip@scale{%
3515 \strip@pt\dimexpr 1pt * \dimexpr
3516 \xepersian@@latin@baselineskip@scale pt\relax

```



```

3517 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3518 }%
3519 \@nonlatinfalse%
3520 \let\normalfont\latinfont%
3521 \let\reset@font\normalfont%
3522 \latinfont%
3523 \fontsize\fontsize\font@size\font@baselineskip%
3524 \selectfont%
3525 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3526 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3527 }
3528 \def\setpersianfont{%
3529 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3530 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3531 \let\xepersian@@fontsize@scale\@ne%
3532 \let\xepersian@@baselineskip@scale\@ne%
3533 \@nonlatintrue%
3534 \let\normalfont\persianfont%
3535 \let\reset@font\normalfont%
3536 \persianfont%
3537 \fontsize\fontsize\font@size\font@baselineskip%
3538 \selectfont%
3539 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3540 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3541 }
3542 \bidi\newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3543 \bidi\newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3544 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3545 \def\endlatin{\endLTR}
3546 \newenvironment{latin*}{\latin
3547 \everypar{%
3548 \setbox\z@\lastbox
3549 \ifvoid\z@
3550 \kern-\parindent
3551 \fi}%
3552 }%
3553 }{\endlatin\@endpetrue}
3554 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3555 \def\endpersian{\endRTL}
3556 \newenvironment{persian*}{\persian
3557 \everypar{%
3558 \setbox\z@\lastbox
3559 \ifvoid\z@
3560 \kern-\parindent
3561 \fi}%
3562 }%
3563 }{\endpersian\@endpetrue}
3564 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LTRitems}}
3565 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{RTLitems}}
3566 \let\originaltoday=\today
3567 \def\latintoday{\lr{\originaltoday}}
3568 \def\today{\rl{\persiantoday}}
3569 \def \LTRmarginparreset {%
3570 \reset@font

```





```

3571         \resetlatinfont
3572         \normalsize
3573         \@minipagetrue
3574         \everypar{\@minipagefalse\everypar{}\beginL}%
3575 }
3576 \DeclareRobustCommand\Latincite{%
3577   \ifnextchar [{\@tempwattrue\@Latincitex}{\@tempwafalse\@Latincitex[]}}
3578 \def\@Latincitex[#1]#2{\leavevmode
3579   \let\@citea\@empty
3580   \@citef\lr{\@for\@citeb:=#2\do
3581     {\@citea\def\@citea{,\penalty\@m\ }%
3582     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
3583     \if@files\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3584     \@ifundefined{b\@citeb}{\hbox{\reset@font\bfseries ?}}%
3585     \G@refundefinedtrue
3586     \@latex@warning
3587       {Citation '\@citeb' on page \thepage \space undefined}}%
3588     {\@cite\ofmt{\csname b\@citeb\endcsname}}}\fi}{#1}}
3589
3590 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3591
3592 \newcount\xepersian@tcl
3593 \newdimen\xepersian@ilg
3594 \newdimen\xepersian@strutilg
3595 \chardef\f@ur=4
3596 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3597   \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3598   \loop
3599   \iffontchar\font\xepersian@tcl
3600   \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\z@
3601   \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3602     \xepersian@ilg=\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3603   \fi
3604   \else
3605   \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl<\z@
3606   \ifdim-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3607     \xepersian@ilg=-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3608   \fi
3609   \fi
3610   \fi
3611   \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\z@
3612   \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3613     \xepersian@strutilg=\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3614   \fi
3615   \else
3616   \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl<\z@
3617   \ifdim-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3618     \xepersian@strutilg=-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3619   \fi
3620   \fi
3621   \fi
3622   \fi
3623   \advance\xepersian@tcl\@ne
3624   \ifnum\xepersian@tcl<1792\repeat

```



```

3625 \advance\xepersian@strutilg\xepersian@ilg
3626 % \ifdim\xepersian@strutilg>\baselineskip
3627 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip fou
3628 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3629 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3630 % \selectfont
3631 % \fi
3632 }
3633
3634 \newif\if@@textdigitfont@on
3635
3636 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3637 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3638
3639 \TextDigitFontOn
3640
3641 \newcommand*\xepersian@setlength[4]{%
3642     \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3643     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3644     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3645     \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3646     \else
3647     \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3648     \fi
3649     \else
3650     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3651     \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3652     \else
3653     \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3654     \fi
3655     \fi
3656     \else
3657     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3658     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3659     \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3660     \else
3661     \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3662     \fi
3663     \else
3664     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3665     \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3666     \else
3667     \setlength{#1}{#2 \@plus#3 \@minus#4}%
3668     \fi
3669     \fi
3670     \fi
3671 }
3672
3673 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3674     \@defaultunits\@tempdima#2pt\relax\@nnil
3675     \setlength{\@tempdimc}{\@tempdima}%
3676     \addtolength{\@tempdimc}{-10\p@}%
3677     \edef\@ptsize{\strip@pt\@tempdimc}%
3678     \@defaultunits\@tempdimb#1pt\relax\@nnil

```



```

3679 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3680 \edef\@tempb{\the\@tempdimc}%
3681 \setlength{\@tempdimc}{\@tempdima}%
3682 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3683 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3684 \xepersian@setlength{\abovedisplayskip}%
3685     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3686 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3687 \xepersian@setlength{\belowdisplayshortskip}%
3688     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3689 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3690 \edef\normalsize{%
3691     \noexpand\@setfontsize\noexpand\normalsize
3692     {\the\@tempdima}{\the\@tempdimb}%
3693     \abovedisplayskip \the\abovedisplayskip
3694     \abovedisplayshortskip \the\abovedisplayshortskip
3695     \belowdisplayskip \the\belowdisplayskip
3696     \belowdisplayshortskip \the\belowdisplayshortskip
3697     \let\noexpand\@listi\noexpand\@listI
3698 }%
3699 \setlength{\@tempdima}{0.9125\@tempdimc}%
3700 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3701 \xepersian@setlength{\abovedisplayskip}%
3702     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3703 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3704 \xepersian@setlength{\belowdisplayshortskip}%
3705     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3706 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3707 \edef\small{%
3708     \noexpand\@setfontsize\noexpand\small
3709     {\the\@tempdima}{\the\@tempdimb}%
3710     \abovedisplayskip \the\abovedisplayskip
3711     \abovedisplayshortskip \the\abovedisplayshortskip
3712     \belowdisplayskip \the\belowdisplayskip
3713     \belowdisplayshortskip \the\belowdisplayshortskip
3714     \let\noexpand\@listi\noexpand\@listi@small
3715 }%
3716 \setlength{\@tempdima}{.83334\@tempdimc}%
3717 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3718 \xepersian@setlength{\abovedisplayskip}%
3719     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3720 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3721 \xepersian@setlength{\belowdisplayshortskip}%
3722     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3723 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3724 \edef\footnotesize{%
3725     \noexpand\@setfontsize\noexpand\footnotesize
3726     {\the\@tempdima}{\the\@tempdimb}%
3727     \abovedisplayskip \the\abovedisplayskip
3728     \abovedisplayshortskip \the\abovedisplayshortskip
3729     \belowdisplayskip \the\belowdisplayskip
3730     \belowdisplayshortskip \the\belowdisplayshortskip
3731     \let\noexpand\@listi\noexpand\@listi@footnotesize
3732 }%

```



```

3733 \setlength{\@tempdima}{.66667\@tempdimc}%
3734 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3735 \edef\scriptsize{%
3736     \noexpand\setfontsize\noexpand\scriptsize
3737     {\the\@tempdima}{\the\@tempdimb}%
3738 }%
3739 \setlength{\@tempdima}{.5\@tempdimc}%
3740 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3741 \edef\tiny{%
3742     \noexpand\setfontsize\noexpand\tiny
3743     {\the\@tempdima}{\the\@tempdimb}%
3744 }%
3745 \setlength{\@tempdima}{1.2\@tempdimc}%
3746 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3747 \edef\large{%
3748     \noexpand\setfontsize\noexpand\large
3749     {\the\@tempdima}{\the\@tempdimb}%
3750 }%
3751 \setlength{\@tempdima}{1.44\@tempdimc}%
3752 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3753 \edef\Large{%
3754     \noexpand\setfontsize\noexpand\Large
3755     {\the\@tempdima}{\the\@tempdimb}%
3756 }%
3757 \setlength{\@tempdima}{1.728\@tempdimc}%
3758 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3759 \edef\LARGE{%
3760     \noexpand\setfontsize\noexpand\LARGE
3761     {\the\@tempdima}{\the\@tempdimb}%
3762 }%
3763 \setlength{\@tempdima}{2.074\@tempdimc}%
3764 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3765 \edef\huge{%
3766     \noexpand\setfontsize\noexpand\huge
3767     {\the\@tempdima}{\the\@tempdimb}%
3768 }%
3769 \setlength{\@tempdima}{2.488\@tempdimc}%
3770 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3771 \edef\Huge{%
3772     \noexpand\setfontsize\noexpand\Huge
3773     {\the\@tempdima}{\the\@tempdimb}%
3774 }%
3775 \normalsize
3776 \setlength{\@tempdimb}{\f@baselineskip}%
3777 \xepersian@setlength{\parsep}%
3778     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3779 \xepersian@setlength{\topsep}%
3780     {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3781 \@tempswafalse
3782 \begingroup
3783     \def\@list@extra{\aftergroup\@tempswatrue}%
3784     \csname @listi\endcsname
3785 \endgroup
3786 \edef\@listi{\leftmargin\leftmargin

```



```

3787 \topsep \the\topsep
3788 \parsep \the\parsep
3789 \itemsep \parsep
3790 \if@tempswa\noexpand\@list@extra\fi
3791 }%
3792 \let\@listI\@listi
3793 \xepersian@setlength{\parsep}%
3794     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3795 \xepersian@setlength{\topsep}%
3796     {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3797 \@tempswafalse
3798 \begingroup
3799 \def\@list@extra{\aftergroup\@tempwattrue}%
3800 \csname @listi\endcsname
3801 \endgroup
3802 \edef\@listi@small{\leftmargin\leftmargini
3803 \topsep \the\topsep
3804 \parsep \the\parsep
3805 \itemsep \parsep
3806 \if@tempswa\noexpand\@list@extra\fi
3807 }%
3808 \xepersian@setlength{\parsep}%
3809     {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3810 \xepersian@setlength{\topsep}%
3811     {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3812 \@tempswafalse
3813 \begingroup
3814 \def\@list@extra{\aftergroup\@tempwattrue}%
3815 \csname @listi\endcsname
3816 \endgroup
3817 \edef\@listi@footnotesize{\leftmargin\leftmargini
3818 \topsep \the\topsep
3819 \parsep \the\parsep
3820 \itemsep \parsep
3821 \if@tempswa\noexpand\@list@extra\fi
3822 }%
3823 \xepersian@setlength{\parsep}%
3824     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3825 \xepersian@setlength{\topsep}%
3826     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3827 \@tempswafalse
3828 \begingroup
3829 \def\@list@extra{\aftergroup\@tempwattrue}%
3830 \csname @listii\endcsname
3831 \endgroup
3832 \edef\@listii{\leftmargin\leftmarginii
3833 \labelwidth=\dimexpr \leftmargin-\labelsep
3834 \topsep \the\topsep
3835 \parsep \the\parsep
3836 \itemsep \parsep
3837 \if@tempswa\noexpand\@list@extra\fi
3838 }%
3839 \xepersian@setlength{\topsep}%
3840     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%

```



```

3841 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3842 \@tempwafalse
3843 \begingroup
3844   \def\@list@extra{\aftergroup\@tempwattrue}%
3845   \csname @listiii\endcsname
3846 \endgroup
3847 \edef\@listiii{\leftmargin\leftmarginiii
3848   \labelwidth=\dimexpr \leftmargin-\labelsep
3849   \topsep \the\topsep
3850   \parsep \z@
3851   \partopsep \the\partopsep
3852   \itemsep \topsep
3853   \if@tempswa\noexpand\@list@extra\fi
3854 }%
3855 \@tempwafalse
3856 \begingroup
3857   \def\@list@extra{\aftergroup\@tempwattrue}%
3858   \csname @listiv\endcsname
3859 \endgroup
3860 \edef\@listiv{\leftmargin\leftmarginiv
3861   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3862   \if@tempswa\noexpand\@list@extra\fi
3863 }%
3864 \@tempwafalse
3865 \begingroup
3866   \def\@list@extra{\aftergroup\@tempwattrue}%
3867   \csname @listv\endcsname
3868 \endgroup
3869 \edef\@listv{\leftmargin\leftmarginv
3870   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3871   \if@tempswa\noexpand\@list@extra\fi
3872 }%
3873 \@tempwafalse
3874 \begingroup
3875   \def\@list@extra{\aftergroup\@tempwattrue}%
3876   \csname @listvi\endcsname
3877 \endgroup
3878 \edef\@listvi{\leftmargin\leftmarginvi
3879   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3880   \if@tempswa\noexpand\@list@extra\fi
3881 }%
3882 \@listi
3883   \setlength{\@tempdimb}{\f@baselineskip}%
3884   \setlength{\footnotesep}{.555\@tempdimb}%
3885   \xepersian@setlength{\skip\footins}%
3886     {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3887   \xepersian@setlength{\floatsep}%
3888     {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3889   \xepersian@setlength{\textfloatsep}%
3890     {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3891   \setlength{\intextsep}{\floatsep}%
3892   \setlength{\dblfloatsep}{\floatsep}%
3893   \setlength{\dbltextfloatsep}{\textfloatsep}%
3894   \setlength{\fptop}{\z@ \@plus 1fil}%

```



```

3895 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3896 \setlength{\@fpbot}{\@fptop}%
3897 \setlength{\@dblftop}{\@fptop}%
3898 \setlength{\@dblfpsep}{\@fpsep}%
3899 \setlength{\@dblfpbot}{\@fptop}%
3900 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3901 }
3902
3903 \renewcommand*{\@bidi@logo@}{%
3904 \bidi@logo@hb@xt@columnwidth
3905 {\hss\bfseries
3906
3907 \textsf{\XePersian}\quad\bidi@logo{xepersian-logo.pdf}}
3908
3909 \renewcommand*{\@bidi@pdfcreator}{%
3910 The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepers
3911 }
3912
3913 \newcommand*{\@xepersian@pdfcustomproperties}{%
3914 This is the xepersian package, Version \xepersian@version\space (Release \xepersian@releas
3915 Released December 14, 2024.
3916 }
3917
3918 \newcommand\twocolumnstableofcontents{%
3919 \if@bidi@csundef{multi@column@out}{%
3920 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3921 \begin{multicols}{2}[\section*{\contentsname}]%
3922 \small
3923 \@starttoc{toc}%
3924 \end{multicols}}}%
3925 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3926 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}
3927 \AtBeginDocument{%
3928 \def\figurename{\if@RTL else\ Figure\fi}%
3929 \def\tablename{\if@RTL else\ Table\fi}%
3930 \def\contentsname{\if@RTL else\ Contents\fi}%
3931 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3932 \def\listtablename{\if@RTL else\ List of Tables\fi}%
3933 \def\appendixname{\if@RTL else\ Appendix\fi}%
3934 \def\indexname{\if@RTL else\ Index\fi}%
3935 \def\refname{\if@RTL else\ References\fi}%
3936 \def\abstractname{\if@RTL else\ Abstract\fi}%
3937 \def\partname{\if@RTL else\ Part\fi}%
3938 \def\datename{\if@RTL else\ Date:\fi}%
3939 \def\@and{\if@RTL else\ and\fi}%
3940 \def\bibname{\if@RTL else\ Bibliography\fi}%
3941 \def\chaptername{\if@RTL else\ Chapter\fi}%
3942 \def\ccname{\if@RTL else\ cc\fi}%
3943 \def\enclname{\if@RTL else\ encl\fi}%
3944 \def\pagename{\if@RTL else\ Page\fi}%
3945 \def\headtoname{\if@RTL else\ To\fi}%
3946 \def\proofname{\if@RTL else\ Proof\fi}%
3947 }
3948 \def\@Abjad#1{%

```



```

3949 \ifcase#1\or or\ or\ or\ %
3950 \or or\ or\ or\ or\ %
3951 \or or\ or\ or\ or\ %
3952 \or or\ or\ or\ %
3953 \or or\ or\ or\ or\ %
3954 \or or\ or\ or\ or\ %
3955 \else\@ctrerr\fi}
3956 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3957 \let\Abjadnumeral\@Abjad
3958 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3959 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3960 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3961 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3962 \let\harfinumeral\@harfi
3963 \newcommand{\adadi}[1]{%
3964 \expandafter\@adadi\csname c@#1\endcsname%
3965 }
3966 \newcommand{\@adadi}[1]{%
3967 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
3968 }
3969 \let\adadinumeral\@adadi%
3970 \def\xepersian@numberoutofrange#1#2{%
3971 \PackageError{xepersian}{The number `#1' is too large %
3972 to be formatted using xepersian}{The largest possible %
3973 number is 999,999,999.}%
3974 }
3975 \def\xepersian@numberstring#1#2#3#4{%
3976 \ifnum\number#1<\@ne%
3977 #3%
3978 \else\ifnum\number#1<1000000000 %
3979 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3980 \else%
3981 \xepersian@numberoutofrange{#1}{#4}%
3982 \fi\fi%
3983 }
3984 \def\xepersian@adadi#1#2{%
3985 \expandafter\xepersian@@adadi%
3986 \ifcase%
3987 \ifnum#1<10 1%
3988 \else\ifnum#1<100 2%
3989 \else\ifnum#1<\@m 3%
3990 \else\ifnum#1<\@M 4%
3991 \else\ifnum#1<100000 5%
3992 \else\ifnum#1<1000000 6%
3993 \else\ifnum#1<10000000 7%
3994 \else\ifnum#1<100000000 8%
3995 \else9%
3996 \fi\fi\fi\fi\fi\fi\fi %
3997 \or00000000#1% case 1: Add 8 leading zeros
3998 \or0000000#1% case 2: Add 7 leading zeros
3999 \or000000#1% case 3: Add 6 leading zeros
4000 \or00000#1% case 4: Add 5 leading zeros
4001 \or0000#1% case 5: Add 4 leading zeros
4002 \or000#1% case 6: Add 3 leading zeros

```





```

4003 \or00#1%      case 7: Add 2 leading zeros
4004 \or0#1%      case 8: Add 1 leading zero
4005 \or#1%      case 9: Add no leading zeros
4006 \or%
4007 \@nil#2%
4008 \fi%
4009 }
4010 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
4011 \ifnum#1#2#3>\z@
4012 \xepersian@milyoongan#1#2#3%
4013 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4014 \fi%
4015 \ifnum#4#5#6>\z@%
4016 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4017 \ifnum#4#5#6>\@ne\fi%
4018 %
4019 \ifnum#7>\z@\ \fi%
4020 \fi%
4021 \xepersian@sadgan#7{#4#5#6}1#9%
4022 }
4023 \def\xepersian@milyoongan#1#2#3{%
4024 \ifnum#1#2#3=\@ne%
4025 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4026 %
4027 %
4028 \else%
4029 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4030 %
4031 %
4032 \fi%
4033 }
4034 \def\xepersian@sadgan#1#2#3#4#5#6{%
4035 \ifnum#1>\z@%
4036 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4037 %
4038 \ifnum#2#3>\z@\ \fi%
4039 \fi%
4040 \ifnum#2#3<20%
4041 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
4042 \else%
4043 \xepersian@dahgan#2%
4044 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
4045 #60%
4046 \fi%
4047 }
4048 \def\xepersian@yekani#1{%
4049 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
4050 \or or\ or\ or\ or\ or\ or\ %
4051 \or or\ or\ or\ %
4052 \or or\ %fi\
4053 }
4054 \def\xepersian@yekanii#1{%
4055 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4056 }

```



```

4057 \def\xepersian@yekanii#1{%
4058 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
4059 }
4060 \def\xepersian@yekaniv#1{%
4061 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
4062 \or or\ or\ %fi\
4063 }
4064 \def\xepersian@dahgan#1{%
4065 \ifcase#1\or\or or\ or\ %
4066 \or or\ or\ or\ %
4067 \or %fi\
4068 }
4069 \newcommand{\tartibi}[1]{%
4070 \expandafter\@tartibi\csname c@#1\endcsname%
4071 }
4072 \newcommand{\@tartibi}[1]{%
4073 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
4074 }
4075 \let\tartibinumeral\@tartibi%
4076 \def\xepersian@numberstring@tartibi#1#2#3#4{%
4077 \ifnum\number#1<\@ne%
4078 #3%
4079 \else\ifnum\number#1<1000000000 %
4080 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
4081 \else%
4082 \xepersian@numberoutofrange{#1}{#4}%
4083 \fi\fi%
4084 }
4085 \def\xepersian@adadi@tartibi#1#2{%
4086 \expandafter\xepersian@@adadi@tartibi%
4087 \ifcase%
4088 \ifnum#1<10 1%
4089 \else\ifnum#1<100 2%
4090 \else\ifnum#1<\@m 3%
4091 \else\ifnum#1<\@M 4%
4092 \else\ifnum#1<100000 5%
4093 \else\ifnum#1<1000000 6%
4094 \else\ifnum#1<10000000 7%
4095 \else\ifnum#1<100000000 8%
4096 \else9%
4097 \fi\fi\fi\fi\fi\fi\fi\fi %
4098 \or00000000#1% case 1: Add 8 leading zeros
4099 \or0000000#1% case 2: Add 7 leading zeros
4100 \or000000#1% case 3: Add 6 leading zeros
4101 \or00000#1% case 4: Add 5 leading zeros
4102 \or0000#1% case 5: Add 4 leading zeros
4103 \or000#1% case 6: Add 3 leading zeros
4104 \or00#1% case 7: Add 2 leading zeros
4105 \or0#1% case 8: Add 1 leading zero
4106 \or#1% case 9: Add no leading zeros
4107 \or%
4108 \@nil#2%
4109 \fi%
4110 }

```



```

4111 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
4112 \ifnum#1#2#3>\z@
4113 \xepersian@milyoongan@tartibi#1#2#3%
4114 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4115 \fi%
4116 \ifnum#4#5#6>\z@%
4117 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4118 \ifnum#4#5#6>\@ne \fi%
4119 %
4120 \ifnum#7>\z@\ \fi%
4121 \fi%
4122 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
4123 }
4124 \def\xepersian@milyoongan@tartibi#1#2#3{%
4125 \ifnum#1#2#3=\@ne%
4126 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
4127 %
4128 %
4129 \else%
4130 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4131 %
4132 %
4133 \fi%
4134 }
4135 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
4136 \ifnum#1>\z@%
4137 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4138 %
4139 \ifnum#2#3>\z@\ \fi%
4140 \fi%
4141 \ifnum#2#3<20%
4142 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
4143 \else%
4144 \ifnum#2#3=30%
4145 \xepersian@dahgan@tartibi#2%
4146 \else%
4147 \xepersian@dahgan#2%
4148 \fi%
4149 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
4150 #60%
4151 \fi%
4152 }
4153 \def\xepersian@dahgan@tartibi#1{%
4154 \ifcase#1\or\or or\ or\ %
4155 \or or\ or\ or\ %
4156 \or %fi\
4157 }
4158 \def\xepersian@tartibi#1{%
4159 \ifcase#1\or or\ or\ or\ %
4160 \or or\ or\ or\ or\ %
4161 \or or\ or\ or\ %
4162 \or or\ or\ %
4163 \or or\ or\ %fi\
4164 }

```



```

4165 \def\xepersian@yekanv#1{%
4166 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
4167 \or or\ or\ or\ or\ or\ or\ %
4168 \or or\ or\ or\ %
4169 \or or\ %fi\
4170 }
4171 \providecommand*\xpg@warning}[1]{%
4172 \PackageWarning{XePersian}%
4173 {#1}}
4174 \if@bidi@csundef{@abjad}{%
4175 \def\@abjad#1{%
4176 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}%
4177 \else
4178 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
4179 \else
4180 \ifnum#1<10\expandafter\abj@num@i\number#1%
4181 \else
4182 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4183 \else
4184 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
4185 \else
4186 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4187 \fi
4188 \fi
4189 \fi
4190 \fi
4191 \fi
4192 \fi
4193 }
4194 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4195 \let\abjadnumeral\@abjad
4196 \def\abjad@zero{}
4197 \def\abj@num@i#1{%
4198 \ifcase#1\or or\ or\ or\ %
4199 \or or\ or\ or\ or\ fi\
4200 \ifnum#1=\z@\abjad@zero\fi}
4201 \def\abj@num@ii#1{%
4202 \ifcase#1\or or\ or\ or\ or\ %
4203 \or or\ or\ or\ fi\
4204 \ifnum#1=\z@\fi\abj@num@i}
4205 \def\abj@num@iii#1{%
4206 \ifcase#1\or or\ or\ or\ or\ %
4207 \or or\ or\ or\ fi\
4208 \ifnum#1=\z@\fi\abj@num@ii}
4209 \def\abj@num@iv#1{%
4210 \ifcase#1\or fi\
4211 \ifnum#1=\z@\fi\abj@num@iii}
4212 }{}
4213 \let\@latinalph\@alph%
4214 \let\@latinAlph\@Alph%
4215 \def\LatinAlphs{%
4216 \let\@alph\@latinalph%
4217 \let\@Alph\@latinAlph%
4218 }

```



```

4219 \def\thempfootnote{\itshape\@linalph\c@mpfootnote}}
4220 \renewcommand*{\bidi@thebibliography@font@hook}{%
4221 \if@LTRbibitems
4222 \resetlatinfont
4223 \fi}
4224 \bidi@AfterEndPreamble{%
4225 \if@bidi@csundef{persianfont}{%
4226 \PackageError{xepersian}{You have not specified any font\MessageBreak
4227 for the main Persian text}{Use \settextfont' to load a font.}%
4228 }{}
4229 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
4230 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
4231 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
4232 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
4233 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
4234 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
4235 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
4236 \@ifpackageloaded{beamerbasetranslator}{\input{beamerbasetranslator-xepersian.def}}{}
4237 \@ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
4238 \@ifpackageloaded{bidityftesidenote}{\input{bidityftesidenote-xepersian.def}}{}
4239 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
4240 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
4241 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
4242 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
4243 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
4244 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
4245 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
4246 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
4247 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
4248 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
4249 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{}{\input{tocloft-xepersian.def}}{}
4250 \@ifpackageloaded{url}{\input{url-xepersian.def}}{}
4251 \@ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
4252 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
4253 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
4254 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
4255 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
4256 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
4257 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
4258 \@ifclassloaded{beamer}{\input{beamer-xepersian.def}}{}
4259 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
4260 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
4261 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
4262 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
4263 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
4264 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
4265 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
4266 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
4267 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
4268 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
4269 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
4270 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
4271 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
4272 \@ifclassloaded{book}{\input{book-xepersian.def}}{}

```



```

4273 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
4274 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
4275 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
4276
4277 \newtoks\xepersian@toks
4278 \def\xepersian@tempa#1{%
4279 \long\def\xepersian@@sp@def##1##2{%
4280 \futurelet\xepersian@resa\xepersian@@sp@d##2\@nil\@nil#1\@nil\relax##1}%
4281 \long\def\xepersian@@sp@d{%
4282 \ifx\xepersian@resa\@sptoken
4283 \expandafter\xepersian@@sp@b
4284 \else
4285 \expandafter\xepersian@@sp@b\expandafter#1%
4286 \fi}%
4287 \long\def\xepersian@@sp@b#1##1 \@nil{\xepersian@@sp@c##1}%
4288 }
4289 \xepersian@tempa{ }
4290 \long\def\xepersian@@sp@c#1\@nil#2\relax#3{\xepersian@toks{#1}\edef#3{\the\xepersian@toks}}
4291 \def\xepersian@@fontsize@branch#1{%
4292 \@tempcnta\z@
4293 \@for\xepersian@tmp:=#1\do{%
4294 \xepersian@@sp@def\xepersian@frag{\xepersian@tmp}%
4295 \ifcase\@tempcnta\relax% cnta == 0
4296 \edef\xepersian@value{\xepersian@frag}%
4297 \setfontsize{\xepersian@frag}%
4298 \or% cnta == 1
4299 \setfontsize[\xepersian@frag]{\xepersian@value}%
4300 \else\fi
4301 \advance\@tempcnta\@ne}%
4302 }
4303
4304 \if@extrafootnotefeatures
4305 \input{extrafootnotefeatures-xetex-bidi.def}%
4306 \input{extrafootnotefeatures-xepersian.def}%
4307 \fi
4308
4309 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4310 \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
4311 }{}{}
4312
4313 \bidi@patchcmd{\set@fontsize}{\@tempskipa#3pt}{%
4314 \@tempskipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
4315 }{}{}
4316
4317
4318 \newcommand*{\xepersian@@update@math@fontsize}[1]{%
4319 \strip@pt\dimexpr\xepersian@@math@fontsize@scale
4320 \dimexpr 1pt * \dimexpr #1 pt\relax /
4321 \dimexpr \xepersian@@fontsize@scale pt\relax
4322 \relax\relax
4323 }
4324
4325 \bidi@patchcmd{\getanddefine@fonts}{%
4326 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%

```



```

4327 }{%
4328 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
4329 }{}{}
4330
4331 \bidi@patchcmd{\getanddefine@fonts}{%
4332 \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4333 }{%
4334 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
4335 }{}{}
4336
4337 \bidi@patchcmd{\getanddefine@fonts}{%
4338 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4339 }{%
4340 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4341 }{}{}
4342
4343
4344 \if\xepersian@@computeautoilg
4345 \bidi@patchcmd{\set@fontsize}{%
4346 \baselineskip\f@baselineskip\relax
4347 }{%
4348 \baselineskip\f@baselineskip\relax
4349 \xepersian@computeautoilg
4350 \ifdim\xepersian@strutilg>\baselineskip
4351 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4352 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4353 \baselineskip\xepersian@strutilg
4354 \ifdim\footnotesep=.7\baselineskip
4355 \else
4356 \footnotesep.7\baselineskip
4357 \fi
4358 \fi
4359 }{}{}
4360 \fi
4361
4362 \AtEndOfPackage{%
4363 \setlatintextfont[%
4364 Path,%
4365 BoldFont={lmroman10-bold},%
4366 BoldItalicFont={lmroman10-bolditalic},%
4367 ItalicFont={lmroman10-italic},%
4368 SmallCapsFont={lmromancaps10-regular},%
4369 SlantedFont={lmromanslant10-regular},%
4370 BoldSlantedFont={lmromanslant10-bold}%
4371 ]{lmroman10-regular}
4372 }
4373 \PersianAlphs

```

## 62 File xepersian-magazine.cls

```

4374 \NeedsTeXFormat{LaTeX2e}
4375 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4376 \RequirePackage{ifthen}
4377 \newlength{\xepersian@imgsize}

```



```

4378 \newlength{\xepersian@coltitsize}
4379 \newlength{\xepersian@pageneed}
4380 \newlength{\xepersian@pageleft}
4381 \newlength{\xepersian@indexwidth}
4382 \newcommand{\xepersian@ncolumns}{0}
4383 \newlength{\columnlines}
4384 \setlength{\columnlines}{0 pt} % no lines by default
4385 \newboolean{xepersian@hyphenatedtitles}
4386 \setboolean{xepersian@hyphenatedtitles}{true}
4387 \newboolean{xepersian@ninepoints}
4388 \setboolean{xepersian@ninepoints}{false}
4389 \newboolean{xepersian@showgrid}
4390 \setboolean{xepersian@showgrid}{false}
4391 \newboolean{xepersian@a3paper}
4392 \setboolean{xepersian@a3paper}{false}
4393 \newboolean{xepersian@insidefrontpage}
4394 \setboolean{xepersian@insidefrontpage}{false}
4395 \newboolean{xepersian@insideweather}
4396 \setboolean{xepersian@insideweather}{false}
4397 \newboolean{xepersian@insideindex}
4398 \setboolean{xepersian@insideindex}{false}
4399 \newcount\xepersian@gridrows
4400 \newcount\xepersian@gridcolumns
4401 \xepersian@gridrows=40
4402 \xepersian@gridcolumns=50
4403 \newcount\minraggedcols
4404 \minraggedcols=5
4405 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4406 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4407 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4408 \DeclareOption{twocolumn}%
4409 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4410 \DeclareOption{notitlepage}%
4411 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4412 \DeclareOption{twoside}%
4413 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4414 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4415 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4416 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
4417 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4418 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4419 \ProcessOptions\relax
4420 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4421 \RequirePackage{ifxetex}
4422 \RequirePackage{multido}
4423 \RequirePackage{datetime}
4424 \RequirePackage{multicol}
4425 \RequirePackage{fancyhdr}
4426 \RequirePackage{fancybox}
4427 \ifthenelse{\boolean{xepersian@a3paper}}{%
4428 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4429 }{
4430 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4431 }

```





```

4432 \RequirePackage[absolute]{textpos} % absolute positioning
4433 \RequirePackage{hyphenat} % when hyphenate
4434 \RequirePackage{lastpage} % to know the last page number
4435 \RequirePackage{setspace} % set space between lines
4436 \RequirePackage{ragged2e}
4437 \newcommand{\raggedFormat}{\RaggedLeft}
4438 \AtEndOfClass{\xepersianInit}
4439 \ifthenelse{\boolean{xepersian@showgrid}}{%
4440 \AtBeginDocument{
4441 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4442 \advance\minraggedcols by -1
4443 }{%
4444 \AtBeginDocument{
4445 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4446 \advance\minraggedcols by -1
4447 }
4448 \ifthenelse{\boolean{xepersian@ninepoints}}{%
4449 \renewcommand{\normalsize}{%
4450 \setfontsize{\normalsize}{9pt}{10pt}%
4451 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4452 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4453 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4454 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4455
4456 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4457
4458 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4459
4460 \renewcommand{\small}{%
4461 \setfontsize{\small}{8pt}{9pt}%
4462 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4463 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4464 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4465 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4466
4467 \renewcommand{\footnotesize}{%
4468 \setfontsize{\footnotesize}{8pt}{9pt}%
4469 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4470 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4471 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4472 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4473
4474 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4475 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
4476 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
4477 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
4478 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
4479 }{}
4480 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4481 \newcommand{\xepersian@wwwFormat}{\sffamily}
4482 \newcommand{\xepersian@www}{%
4483 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4484 }
4485 \newcommand{\xepersian@edition}{ {

```



```

4486 \newcommand{\editionFormat}{\large\bfseries\texttt}
4487 \newcommand{\xepersian@editionLogo}{%
4488 \raisebox{-3pt}{%
4489 {\editionFormat\xepersian@edition}%
4490 }%
4491 }
4492 \newcommand{\indexFormat}{\large\bfseries}
4493 \newcommand{\xepersian@indexFrameTitle}[1]
4494 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4495
4496 \newcommand{\indexEntryFormat}{\normalsize}
4497 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4498 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4499 \end{minipage}}
4500 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4501 \newcommand{\indexEntryPageTxt}{ }
4502 \newcommand{\indexEntryPageFormat}{\footnotesize}
4503 \newcommand{\xepersian@indexEntryPage}[1]{%
4504 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
4505 }
4506 \newcommand{\headDateTimeFormat}{ }
4507 \newcommand{\xepersian@headDateTime}{%
4508 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4509 \currenttime %
4510 }
4511 \newcommand{\weatherFormat}{\bfseries}
4512 \newcommand{\xepersian@weather}[1]{%
4513 \noindent{\weatherFormat #1}%
4514 }
4515 \newcommand{\weatherTempFormat}{\small}
4516 \newcommand{\weatherUnits}{\textdegree{C}}
4517 \newcommand{\xepersian@section}[0]{ {
4518 \newcommand{\xepersian@headleft}{%
4519 {\small\bfseries \@custommagazinename} \date
4520 }
4521 \newcommand{\xepersian@headcenter}{%
4522 \xepersian@section{
4523 }
4524 \newcommand{\xepersian@headright}{%
4525 \small\xepersian@edition%
4526 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4527 }
4528
4529 \newcommand{\heading}[3]{%
4530 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4531 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4532 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4533 }
4534 \newcommand{\xepersian@footright}{%
4535 {\footnotesize\lr{copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4536 }
4537 \newcommand{\xepersian@footcenter}{%
4538 }
4539 \newcommand{\xepersian@footleft}{%

```



```

4540 }
4541
4542 \newcommand{\foot}[3]{%
4543 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4544 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4545 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4546 }
4547 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4548 \newcommand{\xepersian@firstTitle}[1]{%
4549 {%
4550 \begin{spacing}{2.0}{%
4551 \noindent\ignorespaces
4552 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4553 {\nohyphens{\firstTitleFormat #1}}%
4554 {\firstTitleFormat #1}}%
4555 }%
4556 \end{spacing}%
4557 }%
4558 }
4559 \newcommand{\firstTextFormat}{}
4560 \newcommand{\xepersian@firstText}[1]{%
4561 {\noindent\ignorespaces\firstTextFormat #1}%
4562 }
4563 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4564 \newcommand{\xepersian@secondTitle}[1]{%
4565 \begin{spacing}{1.5}{%
4566 \noindent\ignorespaces\flushright
4567 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4568 {\nohyphens{\secondTitleFormat #1}}%
4569 {\secondTitleFormat #1}}%
4570 }\end{spacing}%
4571 }
4572 \newcommand{\secondSubtitleFormat}{\large}
4573 \newcommand{\xepersian@secondSubtitle}[1]{%
4574 {\noindent\ignorespaces\secondSubtitleFormat #1}%
4575 }
4576 \newcommand{\secondTextFormat}{}
4577 \newcommand{\xepersian@secondText}[1]{%
4578 \begin{multicols}{2}
4579 {\noindent\ignorespaces\secondTextFormat #1}
4580 \end{multicols}
4581 }
4582 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4583 \newcommand{\xepersian@thirdTitle}[1]{%
4584 \begin{spacing}{1.5}{%
4585 \noindent\ignorespaces\flushright
4586 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4587 {\nohyphens{\thirdTitleFormat #1}}%
4588 {\thirdTitleFormat #1}}%
4589 }\end{spacing}%
4590 }
4591 \newcommand{\thirdSubtitleFormat}{\large}
4592 \newcommand{\xepersian@thirdSubtitle}[1]{%
4593 {\noindent\ignorespaces\thirdSubtitleFormat #1}}

```



```

4594 \newcommand{\thirdTextFormat}{%
4595 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4596 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4597 \newcommand{\xepersian@pictureCaption}[1]{%
4598 {\noindent\pictureCaptionFormat #1}%
4599 }
4600 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4601 \newcommand{\xepersian@pages}[1]%
4602 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4603 \newcommand{\innerTitleFormat}{\Huge}
4604 \newcommand{\xepersian@innerTitle}[1]{%
4605 \begin{flushright}{%
4606 \noindent
4607 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4608 {\nohyphens{\innerTitleFormat #1}}%
4609 {\innerTitleFormat #1}}%
4610 }%
4611 \\\%
4612 \end{flushright}}%
4613 }
4614 \newcommand{\innerSubtitleFormat}{\large}
4615 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4616 \newcommand{\timestampTxt}{%
4617 \newcommand{\timestampSeparator}{|}
4618 \newcommand{\timestampFormat}{\small}
4619 \newcommand{\timestamp}[1]{%
4620 {\timestampFormat%
4621 #1~\timestampTxt}%
4622 }~\timestampSeparator}%
4623 }
4624 \newcommand{\innerAuthorFormat}{\footnotesize}
4625 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4626 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4627 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4628 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4629 \newcommand{\editorialAuthorFormat}{\textsc}
4630 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4631 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4632 \newcommand{\shortarticleSubtitleFormat}{\Large}
4633 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4634 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4635 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4636 \renewcommand{\maketitle}{\begin{titlepage}%
4637 \let\footnotesize\small
4638 \let\footnoterule\relax
4639 \let\footnote\thanks
4640 \null\vfil
4641 \vskip 60\p@
4642 \begin{center}%
4643 {\LARGE \@title \par}%
4644 \vskip 1em%
4645 {\LARGE «\xepersian@edition» \par}%
4646 \vskip 3em%
4647 {\large

```



```

4648 \lineskip .75em%
4649 \begin{tabular}[t]{c}%
4650 \@author
4651 \end{tabular}\par}%
4652 \vskip 1.5em%
4653 {\large \@date \par}%
4654 \end{center}\par
4655 \@thanks
4656 \vfil\null
4657 \end{titlepage}%
4658 \setcounter{footnote}{0}%
4659 \global\let\thanks\relax
4660 \global\let\maketitle\relax
4661 \global\let\@thanks\@empty
4662 \global\let\@author\@empty
4663 \global\let\@date\@empty
4664 \global\let\@title\@empty
4665 \global\let\title\relax
4666 \global\let\author\relax
4667 \global\let\date\relax
4668 \global\let\and\relax
4669 }
4670 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4671 \newsavebox{\xepersian@fmbbox}
4672 \newenvironment{xepersian@fmpage}[1]
4673 {\begin{lrbox}{\xepersian@fmbbox}\begin{minipage}{#1}}
4674 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbbox}}}
4675 \newcommand{\image}[2]{
4676 \vspace{5pt}
4677 \setlength{\fboxsep}{1pt}
4678 \addtolength{\xepersian@imgsize}{\columnwidth}
4679 \addtolength{\xepersian@imgsize}{-1\columnsep}
4680 \ifxetex
4681 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4682 \addtolength{\xepersian@pageneed}{50pt}
4683 \ClassWarning{xepersian-magazine}{%
4684 Image #1 needs: \the\xepersian@pageneed \space %
4685 and there is left: \the\page@free\space%
4686 }
4687 \ifdim \xepersian@pageneed < \page@free
4688
4689 {\centering\fbox{%
4690 \includegraphics[width = \xepersian@imgsize,
4691 height = \xepersian@imgsize,
4692 keepaspectratio ]{#1}}}
4693 \xepersian@pictureCaption{#2}
4694
4695 \vspace{5pt}
4696 \else
4697 \ClassWarning{Image #1 needs more space!%
4698 It was not inserted!}
4699 \fi
4700 \fi
4701 }

```



```

4702 \textblockorigin{1cm}{1cm}
4703 \newdimen\xepersian@dx
4704 \newdimen\xepersian@dy
4705 \newcount\xepersian@cx
4706 \newcount\xepersian@cy
4707 \newcommand{\grid}[3][\{
4708 \xepersian@dx=\textwidth%
4709 \xepersian@dy=\textheight%
4710 \xepersian@cx=#3% %columns
4711 \xepersian@cy=#2% %rows
4712
4713 \count1=#3%
4714 \advance\count1 by 1
4715
4716 \count2=#2%
4717 \advance\count2 by 1
4718
4719 \divide\xepersian@dx by #3
4720 \divide\xepersian@dy by #2
4721
4722 \setlength{\TPHorizModule}{\xepersian@dx}
4723 \setlength{\TPVertModule}{\xepersian@dy}
4724
4725 \ifthenelse{\equal{#1}{show}}{
4726 \multido{\xepersian@nrow=0+1}{\count2}{
4727 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4728 \rule[0pt]{\textwidth}{.1pt}
4729 \end{textblock}
4730 }
4731
4732 \multido{\xepersian@ncol=0+1}{\count1}{
4733 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4734 \rule[0pt]{.1pt}{\textheight}
4735 \end{textblock}
4736 }
4737 }{}
4738 }
4739 \newcommand{\xepersianInit}{
4740 \setlength{\headheight}{14pt}
4741 \renewcommand{\headrulewidth}{0.4pt}
4742
4743 \pagestyle{fancy}
4744
4745 \setlength{\columnseprule}{\columnlines}
4746 \setlength{\fboxrule}{0.1 pt}
4747
4748 }
4749
4750 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4751 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4752 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4753 \newcommand{\logo}[0]{
4754 %% Heading %%
4755 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www

```



```

4756
4757 \vspace*{-3pt}
4758
4759 {\Large\bfseries \@customlogo}
4760 \hrulefill
4761 \hspace{10pt}\xepersian@headDateTime
4762
4763 }
4764 \newcommand{\minilogo}[0]{
4765 {\large\bfseries \@customminilogo}
4766
4767 \vspace*{5pt}
4768 }
4769 \newcommand{\mylogo}[1]{
4770 {\beginR#1\endR}
4771
4772 \noindent
4773 \xepersian@editionLogo\hspace{5pt}
4774 \hrulefill
4775 \hspace{5pt}\xepersian@headDateTime
4776 }
4777 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4778 \newenvironment{frontpage}[0]
4779 {
4780 \setboolean{xepersian@insidefrontpage}{true}
4781 \thispagestyle{empty}
4782 \logo
4783
4784 }%
4785 {
4786 \thispagestyle{empty}
4787 \clearpage
4788 \newpage
4789 \fancyhead{}
4790 \fancyfoot{}
4791 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4792 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4793 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4794 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4795 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4796 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4797 \renewcommand{\headrulewidth}{0.4pt}
4798 \setboolean{xepersian@insidefrontpage}{false}
4799
4800 }
4801 \newcommand{\firstarticle}[3]
4802 {
4803 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4804 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4805 \begin{textblock}{24}(22,5)
4806 }
4807 {
4808 \begin{textblock}{28}(22,5)
4809 }

```



```

4810 \vspace{-7pt}
4811 \xepersian@firstTitle{#1}
4812 \end{textblock}
4813 \begin{textblock}{29}(22,10)
4814 \vspace{5pt plus 2pt minus 2pt}
4815
4816 \xepersian@firstText{\timestamp{#3}~#2}
4817
4818 \end{textblock}
4819
4820 \begin{textblock}{50}(0,15)
4821 \rule{50\TPHorizModule}{.3pt}
4822 \end{textblock}
4823 }{%else
4824 \ClassError{xepersian-magazine}{%
4825 \protect\firstarticle\space in a wrong place.\MessageBreak
4826 \protect\firstarticle\space may only appear inside frontpage environment.
4827 }{%
4828 \protect\firstarticle\space may only appear inside frontpage environment.
4829 }%
4830 }
4831 }
4832 \newcommand{\secondarticle}[5]
4833 {
4834 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4835 \begin{textblock}{33}(2,16)
4836 \xepersian@pages{#4}
4837 \vspace{-5pt}
4838 \xepersian@secondTitle{#1}
4839
4840 \vspace*{5pt}
4841
4842 \xepersian@secondSubtitle{#2}
4843
4844 \vspace*{-7pt}
4845
4846 \xepersian@secondText{\timestamp{#5}~#3}
4847
4848 \end{textblock}
4849
4850 \begin{textblock}{33}(2,25)
4851 \vspace{5pt plus 2pt minus 2pt}
4852
4853 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4854 \end{textblock}
4855 }{%else
4856 \ClassError{xepersian-magazine}{%
4857 \protect\secondarticle\space in a wrong place.\MessageBreak
4858 \protect\secondarticle\space may only appear inside frontpage environment.
4859 }{%
4860 \protect\secondarticle\space may only appear inside frontpage environment.
4861 }%
4862 }
4863 }

```





```

4864 \newcommand{\thirdarticle}[6]
4865 {
4866 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4867 \begin{textblock}{32}(2,26)
4868 \xepersian@pages{#5}
4869 \vspace{-5pt}
4870 \setlength{\fboxsep}{1pt}
4871 \xepersian@thirdTitle{#1}
4872
4873 \vspace*{5pt}
4874
4875 \xepersian@thirdSubtitle{#2}
4876
4877 \vspace*{5pt}
4878
4879 {\noindent\ignorespaces %
4880 \ifthenelse{\equal{#4}{}}{}
4881
4882 \xepersian@thirdText{\timestamp{#6}~#3}
4883
4884 }
4885
4886 \vspace*{5pt}
4887
4888 \end{textblock}
4889 }{%else
4890 \ClassError{xepersian-magazine}{%
4891 \protect\thirdarticle\space in a wrong place.\MessageBreak
4892 \protect\thirdarticle\space may only appear inside frontpage environment.
4893 }{%
4894 \protect\thirdarticle\space may only appear inside frontpage environment.
4895 }%
4896 }
4897 }
4898 \newcommand{\firstimage}[2]
4899 {
4900 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4901 \begin{textblock}{18}(2,5)
4902 \setlength{\fboxsep}{1pt}
4903 \ifxetex % only in PDF
4904 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4905 \fi
4906
4907 \xepersian@pictureCaption{#2}
4908 \end{textblock}%
4909 }
4910 {\ClassError{xepersian-magazine}{%
4911 \protect\firstimage\space in a wrong place.\MessageBreak
4912 \protect\firstimage\space may only appear inside frontpage environment.
4913 }{%
4914 \protect\firstimage\space may only appear inside frontpage environment.
4915 }}
4916 }%
4917 \newcommand{\weatheritem}[5]{%

```



```

4918 \ifthenelse{\boolean{xepersian@insideweather}}{
4919 \begin{minipage}{45pt}
4920 \ifxetex
4921 \includegraphics[width=40pt]{#1}
4922 \fi
4923 \end{minipage}
4924 \begin{minipage}{50pt}
4925 \weatherTempFormat
4926 #2\\
4927 \beginL#3 $\mid$ #4 \lr{\weatherUnits{}}\endL\\
4928 #5
4929 \end{minipage}
4930 }{%else
4931 \ClassError{xepersian-magazine}{%
4932 \protect\weatheritem\space in a wrong place.\MessageBreak
4933 \protect\weatheritem\space may only appear inside weatherblock environment.
4934 }{%
4935 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4936 weatherblock environment may only appear inside frontpage environment.
4937 }%
4938 }
4939 }
4940 \newenvironment{weatherblock}[1]
4941 {
4942 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4943 \setboolean{xepersian@insideweather}{true}
4944 \begin{textblock}{32}(2,38)
4945 \vspace*{-15pt}
4946
4947 \xepersian@weather{\beginR#1\endR}
4948
4949 \vspace*{5pt}
4950
4951 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4952 \begin{minipage}{32\TPHorizModule}
4953 \hspace{5pt}
4954
4955 }{%
4956 \ClassError{xepersian-magazine}{%
4957 weatherblock in a wrong place.\MessageBreak
4958 weatherblock may only appear inside frontpage environment.
4959 }{%
4960 weatherblock may only appear inside frontpage environment.
4961 }
4962 }
4963 }%
4964 {
4965 \end{minipage}
4966 \end{xepersian@fmpage}
4967 \end{textblock}
4968 \setboolean{xepersian@insideweather}{false}
4969 }
4970 \newenvironment{authorblock}[0]
4971 {

```



```

4972 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4973 \begin{textblock}{15}(36,35)
4974 \setlength{\fboxsep}{5pt}
4975 \begin{xepersian@fmpage}{13\TPHorizModule}
4976 \begin{minipage}{13\TPHorizModule}
4977 \centering
4978 \minilogo
4979
4980 }{%else
4981 \ClassError{xepersian-magazine}{%
4982 authorblock in a wrong place.\MessageBreak
4983 authorblock may only appear inside frontpage environment.
4984 }{%
4985 authorblock may only appear inside frontpage environment.
4986 }
4987 }
4988 }
4989 {
4990 \end{minipage}
4991 \end{xepersian@fmpage}
4992 \end{textblock}
4993 }
4994 \newenvironment{indexblock}[1]
4995 {
4996 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4997 \setboolean{xepersian@insideindex}{true}%let's in
4998 \begin{textblock}{15}(36,16)
4999 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
5000 \xepersian@indexFrameTitle{#1}
5001
5002 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
5003 \begin{xepersian@fmpage}{\xepersian@indexwidth}
5004 \begin{minipage}{\xepersian@indexwidth}
5005 \vspace*{10pt}
5006 }{%else
5007 \ClassError{xepersian-magazine}{%
5008 indexblock in a wrong place.\MessageBreak
5009 indexblock may only appear inside frontpage environment.
5010 }{%
5011 indexblock may only appear inside frontpage environment.
5012 }
5013 }
5014 }%
5015 {
5016 \end{minipage}
5017 \end{xepersian@fmpage}
5018 \end{textblock}
5019 \setboolean{xepersian@insideindex}{false}%let's out
5020 }
5021 \newcommand{\indexitem}[2]
5022 {
5023 \ifthenelse{\boolean{xepersian@insideindex}}{
5024 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
5025

```



```

5026 \vspace{0.5cm}
5027
5028 \noindent\ignorespaces\indexEntrySeparator{}
5029 }{%else
5030 \ClassError{xepersian-magazine}{%
5031 \protect\indexitem\space in a wrong place.\MessageBreak
5032 \protect\indexitem\space may only appear inside indexblock environment.
5033 }{%
5034 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
5035 indexblock environment may only appear inside frontpage environment.
5036 }%
5037 }
5038 }
5039 \newcommand{\xepersian@inexpandedtitle}[1]{
5040 \begin{minipage}{.95\textwidth}
5041 \begin{center}
5042 \noindent\Large\textbf{\beginR#1\endR}
5043 \end{center}
5044 \end{minipage}
5045 }
5046 \newcommand{\expandedtitle}[2]{
5047 \end{multicols}
5048
5049 \begin{center}
5050 \setlength{\fboxsep}{5pt}
5051 \setlength{\shadowsize}{2pt}
5052 \ifthenelse{\equal{#1}{shadowbox}}{%
5053 \shadowbox{%
5054 \xepersian@inexpandedtitle{#2}%
5055 }%
5056 }{}
5057 \ifthenelse{\equal{#1}{doublebox}}{%
5058 \doublebox{%
5059 \xepersian@inexpandedtitle{#2}%
5060 }%
5061 }{}
5062 \ifthenelse{\equal{#1}{ovalbox}}{%
5063 \ovalbox{%
5064 \xepersian@inexpandedtitle{#2}%
5065 }%
5066 }{}
5067 \ifthenelse{\equal{#1}{Ovalbox}}{%
5068 \Ovalbox{%
5069 \xepersian@inexpandedtitle{#2}%
5070 }%
5071 }{}
5072 \ifthenelse{\equal{#1}{lines}}{
5073 \hrule
5074 \vspace*{8pt}
5075 \begin{center}
5076 \noindent\Large\textbf{#2}
5077 \end{center}
5078 \vspace*{8pt}
5079 \hrule

```



```

5080 }{}
5081 \end{center}
5082
5083 \begin{multicols}{\xepersian@ncolumns{}}
5084 \ifnum \xepersian@ncolumns > \minraggedcols
5085 \raggedFormat
5086 \fi
5087 }
5088 \newcommand{\xepersian@incolumntitle}[2]{
5089 \begin{minipage}{#1}
5090 \begin{center}
5091 \noindent\normalsize\textbf{#2}
5092 \end{center}
5093 \end{minipage}
5094 }
5095
5096 \newcommand{\columnntitle}[2]{
5097 \vspace*{5pt}
5098 \begin{center}
5099 \setlength{\fboxsep}{5pt}
5100 \setlength{\shadowsize}{2pt}
5101 \addtolength{\xepersian@coltitsize}{\columnwidth}
5102 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5103 \addtolength{\xepersian@coltitsize}{-5pt}
5104 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5105 \ifthenelse{\equal{#1}{shadowbox}}{%
5106 \shadowbox{%
5107 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5108 }%
5109 }{}
5110 \ifthenelse{\equal{#1}{doublebox}}{%
5111 \doublebox{%
5112 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5113 }%
5114 }{}
5115 \ifthenelse{\equal{#1}{ovalbox}}{%
5116 \ovalbox{%
5117 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5118 }%
5119 }{}
5120 \ifthenelse{\equal{#1}{ovalbox}}{%
5121 \ovalbox{%
5122 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5123 }%
5124 }{}
5125 \ifthenelse{\equal{#1}{lines}}{
5126 \hrule
5127 \vspace*{5pt}
5128 \begin{center}
5129 \noindent\normalsize\textbf{#2}
5130 \end{center}
5131 \vspace*{5pt}
5132 \hrule
5133 }{}

```



```

5134 \end{center}
5135 }
5136 \renewcommand{\date}{%
5137 \longdate{\today}%
5138 }
5139 \newcommand{\authorandplace}[2]{%
5140 \rightline{%
5141 {\innerAuthorFormat #1},\space{}\innerPlaceFormat #2}%
5142 }%
5143 \par %
5144 }
5145 \newcommand{\newsection}[1]{
5146 \renewcommand{\xepersian@section}{#1}
5147 }
5148 \newenvironment{article}[5]
5149 {
5150 \xepersian@say{Adding a new piece of article}
5151 \renewcommand{\xepersian@ncolumns}{#1}
5152 \begin{multicols}{#1}[
5153 \xepersian@pages{#4}
5154 \xepersian@innerTitle{#2}%
5155 \xepersian@innerSubtitle{#3}%
5156 ] [4cm]%
5157 \label{#5}
5158 \ifnum #1 > \minraggedcols
5159 \raggedFormat
5160 \fi
5161 }
5162 {\innerTextFinalMark{}
5163 \end{multicols}
5164 }
5165 \newcommand{\articlesep}{%
5166 \setlength{\xepersian@pageneed}{16000pt}
5167 \setlength{\xepersian@pageleft}{\pagegoal}
5168 \addtolength{\xepersian@pageleft}{-\pagetotal}
5169
5170 \xepersian@say{How much left \the\xepersian@pageleft}
5171
5172 \ifdim \xepersian@pageneed < \xepersian@pageleft
5173 \xepersian@say{Not enough space}
5174 \else
5175 \xepersian@say{Adding sep line between articles}
5176 \vspace*{10pt plus 10pt minus 5pt}
5177 \hrule
5178 \vspace*{10pt plus 5pt minus 5pt}
5179 \fi
5180
5181 }
5182 \newcommand{\xepersian@editorialTit}[2]{
5183 \setlength{\arrayrulewidth}{.1pt}
5184 \begin{center}
5185 \begin{tabular}{c}
5186 \noindent
5187 \xepersian@editorialTitle{#1}

```



```

5188 \vspace{2pt plus 1pt minus 1pt}
5189 \\
5190 \hline
5191 \vspace{2pt plus 1pt minus 1pt}
5192 \\
5193 \editorialAuthorFormat{#2}
5194 \end{tabular}
5195 \end{center}
5196 }
5197 \newenvironment{editorial}[4]
5198 {
5199 \xepersian@say{Adding a new editorial}
5200 \begin{multicols}{#1}[%
5201 \xepersian@editorialTit{#2}{#3}%
5202 ] [4cm]
5203 \label{#4}
5204 \ifnum #1 > \minraggedcols
5205 \raggedFormat
5206 \fi
5207 }
5208 {
5209 \end{multicols}
5210 }
5211 \newcommand{\xepersian@shortarticleTit}[2]{
5212 \begin{center}
5213 \vbox{%
5214 \noindent
5215 \xepersian@shortarticleTitle{#1}
5216 \vspace{4pt plus 2pt minus 2pt}
5217 \hrule
5218 \vspace{4pt plus 2pt minus 2pt}
5219 \xepersian@shortarticleSubtitle{#2}
5220 }
5221 \end{center}
5222 }
5223 \newenvironment{shortarticle}[4]
5224 {
5225 \xepersian@say{Adding a short article block}
5226 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5227 \label{#4}
5228 \par %
5229 \ifnum #1 > \minraggedcols
5230 \raggedFormat
5231 \fi
5232 }
5233 {
5234 \end{multicols}
5235 }
5236 \newcommand{\shortarticleitem}[2]{
5237 \goodbreak
5238 \vspace{5pt plus 3pt minus 3pt}
5239 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5240 \vspace{5pt plus 3pt minus 3pt}
5241 {\noindent #2}\\

```



5242 }

## 63 File xepersian-mathdigitsspec.sty

```

5243 \NeedsTeXFormat{LaTeX2e}
5244 \ProvidesPackage{xepersian-mathdigitsspec}
5245 [2022/05/20 v1.2.0 Unicode Persian math digits in XeLaTeX]
5246 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5247 \let\newfam\new@mathgroup
5248 \def\select@group#1#2#3#4{%
5249 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5250 {%
5251 \ifmmode
5252 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5253 \begingroup
5254 \escapechar\m@ne
5255 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5256 \globaldefs\@ne \math@fonts
5257 \endgroup
5258 \init@restore@version
5259 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5260 {\number\csname c@mv@\math@version\endcsname}}%
5261 \global\advance\csname c@mv@\math@version\endcsname\@ne
5262 \else
5263 \let#1\relax
5264 \@latex@error{Too many math alphabets used in
5265 version \math@version}%
5266 \@eha
5267 \fi
5268 \else \expandafter\non@alpherr\fi
5269 #1{#4}%
5270 }%
5271 }
5272 \def\document@select@group#1#2#3#4{%
5273 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5274 {%
5275 \ifmmode
5276 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5277 \begingroup
5278 \escapechar\m@ne
5279 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5280 \globaldefs\@ne \math@fonts
5281 \endgroup
5282 \expandafter\extract@alph@from@version
5283 \csname mv@\math@version\expandafter\endcsname
5284 \expandafter{\number\csname
5285 c@mv@\math@version\endcsname}%
5286 #1%
5287 \global\advance\csname c@mv@\math@version\endcsname\@ne
5288 \else
5289 \let#1\relax
5290 \@latex@error{Too many math alphabets used
5291 in version \math@version}%
5292 \@eha

```





```

5293 \fi
5294 \else \expandafter\non@alpherr\fi
5295 #1{#4}%
5296 }%
5297 }
5298 \ExplSyntaxOn
5299 \bool_set_false:N \g__fontspec_math_bool
5300 \tl_map_inline:nn
5301 {
5302 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5303 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5304 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5305 \version@list\version@elt\alpha@list\alpha@elt
5306 \restore@mathversion\init@restore@version\dorestore@version\process@table
5307 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5308 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
5309 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5310 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5311 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5312 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5313 \set@@mathdelimiter\DeclareMathRadical\mathchar@type
5314 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5315 }
5316 {
5317 \tl_remove_once:Nn \@preamblecmds {\do#1}
5318 }
5319 \ExplSyntaxOff
5320 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitsspec}{#1}}
5321 \newcommand\SetMathCode[4]{%
5322 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5323 \newcommand\SetMathCharDef[4]{%
5324 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5325 \ExplSyntaxOn
5326 \cs_new_eq:NN \orig_mathbf:n \mathbf
5327 \cs_new_eq:NN \orig_mathit:n \mathit
5328 \cs_new_eq:NN \orig_mathrm:n \mathrm
5329 \cs_new_eq:NN \orig_mathsf:n \mathsf
5330 \cs_new_eq:NN \orig_mathhtt:n \mathhtt
5331 %\int_const:Nn \c_one_int { 1 }
5332 \NewDocumentCommand \new@mathbf { m } {
5333 \orig_mathbf:n {
5334 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5335 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5336 }
5337 #1
5338 }
5339 }
5340 \NewDocumentCommand \new@mathit { m } {
5341 \orig_mathit:n {
5342 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5343 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5344 }
5345 #1
5346 }

```



```

5347 }
5348 \NewDocumentCommand \new@mathrm { m } {
5349   \orig_mathrm:n {
5350     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5351       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5352     }
5353     #1
5354   }
5355 }
5356 \NewDocumentCommand \new@mathsf{ m } {
5357   \orig_mathsf:n {
5358     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5359       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5360     }
5361     #1
5362   }
5363 }
5364 \NewDocumentCommand \new@mathtt{ m } {
5365   \orig_mathtt:n {
5366     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5367       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5368     }
5369     #1
5370   }
5371 }
5372
5373 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nnxx {xepersian-mathdigi
5374 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5375   { \msg_new:nnxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5376 \char_set_catcode_space:n {32}
5377 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5378 {
5379   The font "#1" does not contain U+#2.
5380 }
5381 {
5382   Select another font and rerun xelatex.
5383 }
5384 \char_set_catcode_ignore:n {32}
5385
5386 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5387 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5388 {
5389   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5390   \prg_return_true:
5391   \else:
5392     \prg_return_false:
5393   \fi:
5394 }
5395
5396 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5397
5398 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5399 {
5400   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }

```



```

5401 \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5402   \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathd
5403 }
5404 }
5405
5406 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5407 {
5408   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5409   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5410     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathd
5411   }
5412 }
5413
5414 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5415 {
5416   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5417   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5418     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathd
5419   }
5420 }
5421
5422 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5423 {
5424   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5425     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5426     06F9 , 066A , 066B
5427   } { #1 }
5428 }
5429
5430 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5431 {
5432   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5433 }
5434 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5435 {
5436   \let\glb@currsizel relax
5437   \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {Ligatures=PersianTeX,#1} {#2}
5438   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5439   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5440   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5441   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigi
5442   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigi
5443   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigi
5444   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5445   \def\persianmathdigits{%
5446     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5447     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5448     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5449     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5450     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5451     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5452     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5453     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5454     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}

```



```

5455 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5456 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5457 \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
5458 \tl_set_eq:NN \mathbf \new@mathbf
5459 \tl_set_eq:NN \mathit \new@mathit
5460 \tl_set_eq:NN \mathrm \new@mathrm}
5461 }
5462
5463 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5464
5465 \DeclareDocumentCommand \setmathsfdigitfont { 0{ } m 0{ } }
5466 {
5467   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5468 }
5469 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5470 {
5471   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5472   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5473   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_math
5474     \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5475   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5476 }
5477
5478 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5479
5480 \DeclareDocumentCommand \setmathttdigitfont { 0{ } m 0{ } }
5481 {
5482   \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5483 }
5484 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5485 {
5486   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5487   \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5488   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_math
5489     \__xepersian_mathttdigitsspec_char_not_exist_error:n { #2 }
5490   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5491 }
5492
5493 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5494
5495 \ExplSyntaxOff
5496 \mathchardef\decimalseparator@point="013A
5497 %{\%
5498 % \catcode`\.=\active
5499 % \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
5500 \bgroup
5501 \uccode`~\.%
5502 \uppercase{%
5503 \egroup
5504 \def~}{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}
5505 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparat
5506 \def\decimalseparator@check#1#2{%
5507   \ifx\@let@token1\endgroup#1\else
5508     \ifx\@let@token2\endgroup#1\else

```



```

5509 \ifx\@let@token3\endgroup#1\else
5510 \ifx\@let@token4\endgroup#1\else
5511 \ifx\@let@token5\endgroup#1\else
5512 \ifx\@let@token6\endgroup#1\else
5513 \ifx\@let@token7\endgroup#1\else
5514 \ifx\@let@token8\endgroup#1\else
5515 \ifx\@let@token9\endgroup#1\else
5516 \ifx\@let@token0\endgroup#1\else
5517 \ifx\@let@token\dot\endgroup#1\else
5518 \ifx\@let@token\overline\endgroup#1\else
5519 \endgroup#2%
5520 \fi
5521 \fi
5522 \fi
5523 \fi
5524 \fi
5525 \fi
5526 \fi
5527 \fi
5528 \fi
5529 \fi
5530 \fi
5531 \fi}
5532 \mathcode`.="8000\relax
5533 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalsepar
5534 \def\DefaultMathDecimalSeparator{.}
5535 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5536 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5537 \def\DefaultMathDigits{%
5538 \DefaultInlineMathDigits%
5539 \DefaultDisplayMathDigits%
5540 }
5541 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5542 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5543 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5544 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5545 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5546 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5547 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5548 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5549 \def\PersianMathDigits{%
5550 \PersianInlineMathDigits%
5551 \PersianDisplayMathDigits%
5552 }
5553 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5554 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5555 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5556 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5557 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5558 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5559 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5560 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5561 \def\AutoMathDigits{%
5562 \AutoInlineMathDigits%

```



```

5563 \AutoDisplayMathDigits%
5564 }
5565 \AutoMathDigits
5566 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5567 \let\SetDisplayMathDigits\relax%
5568 }
5569 \everydisplay\expandafter{%
5570 \the\everydisplay\SetDisplayMathDigits%
5571 \let\SetInlineMathDigits\relax%
5572 }
5573
5574 \ExplSyntaxOn
5575 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5576
5577 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5578 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5579 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5580 }
5581 \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5582 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5583 \tl_set_eq:NN \mathbf \orig_mathbf:n
5584 \tl_set_eq:NN \mathit \orig_mathit:n
5585 \tl_set_eq:NN \mathrm \orig_mathrm:n
5586 \tl_set_eq:NN \mathsf \orig_mathsf:n
5587 \tl_set_eq:NN \mathtt \orig_mathtt:n
5588 }
5589
5590 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5591 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5592 \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5593 }
5594 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5595 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5596 \tl_set_eq:NN \mathbf \new@mathbf
5597 \tl_set_eq:NN \mathit \new@mathit
5598 \tl_set_eq:NN \mathrm \new@mathrm
5599 \tl_set_eq:NN \mathsf \new@mathsf
5600 \tl_set_eq:NN \mathtt \new@mathtt
5601 }
5602 \ExplSyntaxOff

```

## 64 File xepersian-multiplechoice.sty

```

5603 \NeedsTeXFormat{LaTeX2e}
5604 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5605 Multiple Choice Questionnaire class for Persian in XeLaTeX]
5606 \RequirePackage{pifont}
5607 \RequirePackage{fullpage}
5608 \RequirePackage{ifthen}
5609 \RequirePackage{calc}
5610 \RequirePackage{verbatim}
5611 \RequirePackage{tabularx}
5612 \def\@headerfont{\bfseries}
5613 \newcommand\headerfont[1]{\gdef\@headerfont{##1}}

```



```

5614 \def\@X{X}
5615 \newcommand\X[1]{\gdef\@X{#1}}
5616 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5617 \newcolumnntype{D}{>{\pbs\centering}X}
5618 \newcolumnntype{Q}{>{\@headerfont}X}
5619
5620 \renewcommand\tabularxcolumn[1]{m{#1}}
5621 \newcommand\makeform@nocorrection{%
5622   \addtocontents{frm}{\protect\end{tabularx}}
5623   \@starttoc{frm}}
5624 \newcommand\makeform@correction{%
5625   \addtocontents{frm}{\protect\end{tabularx}}}
5626 \newcommand\makemask@nocorrection{%
5627   \addtocontents{msk}{\protect\end{tabularx}}
5628   \@starttoc{msk}}
5629 \newcommand\makemask@correction{%
5630   \addtocontents{msk}{\protect\end{tabularx}}}
5631 \newlength\questionspace
5632 \setlength\questionspace{0pt}
5633 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5634 \def\@answerstitlefont{\bfseries}
5635 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5636 \def\@answernumberfont{\bfseries}
5637 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5638 \newcounter{question}\stepcounter{question}
5639 \newcounter{@choice}
5640 \def\@initorcheck{%
5641   \xdef\@choices{\the@choice}%
5642   \setcounter{@choice}{1}%
5643   \gdef\@arraydesc{|Q|}%
5644   \gdef\@headerline{%
5645     \whiledo{\not{\value{@choice}>\@choices}}{
5646       \xdef\@arraydesc{\@arraydesc D|}
5647       \def\@appendheader{\g@addto@macro\@headerline}
5648       \@appendheader{\&\protect\@headerfont}
5649       \edef\@the@choice{{\alph{@choice}}}
5650       \expandafter\@appendheader\@the@choice
5651       \stepcounter{@choice}}%
5652   \addtocontents{frm}{%
5653     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5654     \protect\hline
5655     \@headerline\protect\\protect\hline\protect\hline}%
5656   \addtocontents{msk}{%
5657     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5658     \protect\hline
5659     \@headerline\protect\\protect\hline\protect\hline}%
5660   \gdef\@initorcheck{%
5661     \ifthenelse{\value{@choice} = \@choices}{}{%
5662       \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5663         (\the@choice\space instead of \@choices)}{%
5664         Questions must all have the same number of proposed answers.%
5665         \MessageBreak
5666         Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}
5667   \newenvironment{question}[1]{%

```



```

5668 %% \begin{question}
5669 \begin{minipage}{\textwidth}
5670   \xdef\@formanswerline{\@questionheader}%
5671   \xdef\@maskanswerline{\@questionheader}%
5672   \fbox{\parbox[c]{\linewidth}{#1}}
5673   \vspace\questionspace\par
5674   {\@answerstylefont\@answerstyle}
5675   \begin{list}{\@answernumberfont\alph{#1}}{\usecounter{#1}}{
5676   %% \end{question}
5677   \end{list}
5678   \@initcheck%
5679   \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5680   \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5681   \end{minipage}
5682   \stepcounter{question}}
5683 \def\@truesymbol{\ding{52}~}
5684 \def\@falsesymbol{\ding{56}~}
5685 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5686 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5687 \def\@true@nocorrection{\item}
5688 \def\@false@nocorrection{\item}
5689 \def\@true@correction{\item[\@truesymbol\refstepcounter{#1}]}
5690 \def\@false@correction{\item[\@falsesymbol\refstepcounter{#1}]}
5691 \newcommand\true{%
5692   \xdef\@formanswerline{\@formanswerline&}%
5693   \xdef\@maskanswerline{\@maskanswerline&\@X}%
5694   \@true}%
5695 \newcommand>false{%
5696   \xdef\@formanswerline{\@formanswerline&}%
5697   \xdef\@maskanswerline{\@maskanswerline&}%
5698   \@false}%
5699 \def\@correctionstyle{\itshape}
5700 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5701 \newenvironment{correction}{\@correctionstyle}{
5702   \def\@questionheader{\thequestion}
5703   \answerstyle{
5704   \DeclareOption{nocorrection}{%
5705     \let\@true\@true@nocorrection
5706     \let\@false\@false@nocorrection
5707     \let\correction\comment
5708     \let\endcorrection\endcomment
5709     \def\makeform{\makeform@nocorrection}
5710     \def\makemask{\makemask@nocorrection}}
5711   \DeclareOption{correction}{%
5712     \let\@true\@true@correction
5713     \let\@false\@false@correction
5714     \let\correction\@correction
5715     \let\endcorrection\end@correction
5716     \def\makeform{\makeform@correction}
5717     \def\makemask{\makemask@correction}}
5718   \ExecuteOptions{nocorrection}
5719   \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5720   \def\@questiontitlefont{\bfseries}
5721   \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}

```





```

5722 \newlength\questiontitlespace
5723 \setlength\questiontitlespace{5pt}
5724 \newlength\questionsepspace
5725 \setlength\questionsepspace{20pt}
5726 \gdef\@questionsepspace{0pt}
5727 \let\old@question\question
5728 \let\old@endquestion\endquestion
5729 \renewenvironment{question}[1]{%
5730   %% \begin{question}
5731   \vspace\@questionsepspace
5732   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5733   \nopagebreak\vspace\questiontitlespace\par
5734   \old@question{#1}}{%
5735   %% \end{question}
5736   \old@endquestion
5737   \gdef\@questionsepspace{\questionsepspace}}
5738 \questiontitle{ \thequestion:}
5739 \ProcessOptions

```

## 65 File xepersian-persiancal.sty

```

5740 \NeedsTeXFormat{LaTeX2e}
5741 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5742
5743 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5744 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5745 \newcount\XePersian@latini \newcount\XePersian@persiani
5746 \newcount\XePersian@latinii \newcount\XePersian@persianii
5747 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5748 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5749 \newcount\XePersian@latin v \newcount\XePersian@persian v
5750 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5751 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5752 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5753 \newcount\XePersian@latinix \newcount\XePersian@persianix
5754 \newcount\XePersian@latinx \newcount\XePersian@persianx
5755 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5756 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5757 \newcount\XePersian@persianxiii
5758
5759 \newcount\XePersian@temp
5760 \newcount\XePersian@temptwo
5761 \newcount\XePersian@tempthree
5762 \newcount\XePersian@yModHundred
5763 \newcount\XePersian@thirtytwo
5764 \newcount\XePersian@dn
5765 \newcount\XePersian@sn
5766 \newcount\XePersian@mminusone
5767
5768
5769 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5770 \XePersian@temp=\XePersian@y
5771 \divide\XePersian@temp by 100\relax
5772 \multiply\XePersian@temp by 100\relax

```



```

5773 \XePersian@yModHundred=\XePersian@y
5774 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5775 \ifodd\XePersian@yModHundred
5776   \XePersian@leapfalse
5777 \else
5778   \XePersian@temp=\XePersian@yModHundred
5779   \divide\XePersian@temp by 2\relax
5780   \ifodd\XePersian@temp\XePersian@leapfalse
5781   \else
5782     \ifnum\XePersian@yModHundred=0%
5783       \XePersian@temp=\XePersian@y
5784       \divide\XePersian@temp by 400\relax
5785       \multiply\XePersian@temp by 400\relax
5786       \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5787     \else\XePersian@leaptrue
5788     \fi
5789   \fi
5790 \fi
5791 \XePersian@latini=31\relax
5792 \ifXePersian@leap
5793   \XePersian@latinii = 29\relax
5794 \else
5795   \XePersian@latinii = 28\relax
5796 \fi
5797 \XePersian@latiniii = 31\relax
5798 \XePersian@latiniv = 30\relax
5799 \XePersian@latinvi = 31\relax
5800 \XePersian@latinvi = 30\relax
5801 \XePersian@latinvii = 31\relax
5802 \XePersian@latinviii = 31\relax
5803 \XePersian@latinix = 30\relax
5804 \XePersian@latinx = 31\relax
5805 \XePersian@latinxi = 30\relax
5806 \XePersian@latinxii = 31\relax
5807 \XePersian@thirtytwo=32\relax
5808 \XePersian@temp=\XePersian@y
5809 \advance\XePersian@temp by -17\relax
5810 \XePersian@temptwo=\XePersian@temp
5811 \divide\XePersian@temptwo by 33\relax
5812 \multiply\XePersian@temptwo by 33\relax
5813 \advance\XePersian@temp by -\XePersian@temptwo
5814 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalsh
5815 \else
5816   \XePersian@temptwo=\XePersian@temp
5817   \divide\XePersian@temptwo by 4\relax
5818   \multiply\XePersian@temptwo by 4\relax
5819   \advance\XePersian@temp by -\XePersian@temptwo
5820   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalsh\fi
5821 \fi
5822 \XePersian@tempthree=\XePersian@y % Number of Leap years
5823 \advance\XePersian@tempthree by -1
5824 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5825 \divide\XePersian@temp by 4\relax
5826 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)

```



```

5827 \divide\XePersian@temptwo by 100\relax
5828 \advance\XePersian@temp by -\XePersian@temptwo
5829 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5830 \divide\XePersian@temptwo by 400\relax
5831 \advance\XePersian@temp by \XePersian@temptwo
5832 \advance\XePersian@tempthree by -611 % Number of Kabise years
5833 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5834 \divide\XePersian@temptwo by 33\relax
5835 \multiply\XePersian@temptwo by 8\relax
5836 \advance\XePersian@temp by -\XePersian@temptwo
5837 \XePersian@temptwo=\XePersian@tempthree %
5838 \divide\XePersian@temptwo by 33\relax
5839 \multiply\XePersian@temptwo by 33\relax
5840 \advance\XePersian@tempthree by -\XePersian@temptwo
5841 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5842 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5843 \advance\XePersian@temp by -\XePersian@tempthree
5844 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5845 \XePersian@persiani=31
5846 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5847 \XePersian@persianii = 30\relax
5848 \ifXePersian@kabiseh
5849 \XePersian@persianiii = 30\relax
5850 \else
5851 \XePersian@persianiii = 29\relax
5852 \fi
5853 \XePersian@persianiv = 31\relax
5854 \XePersian@persianv = 31\relax
5855 \XePersian@persianvi = 31\relax
5856 \XePersian@persianvii = 31\relax
5857 \XePersian@persianviii= 31\relax
5858 \XePersian@persianix = 31\relax
5859 \XePersian@persianx = 30\relax
5860 \XePersian@persianxi = 30\relax
5861 \XePersian@persianxii = 30\relax
5862 \XePersian@persianxiii= 30\relax
5863 \XePersian@dn= 0\relax
5864 \XePersian@sn= 0\relax
5865 \XePersian@mminusone=\XePersian@m
5866 \advance\XePersian@mminusone by -1\relax
5867 \XePersian@i=0\relax
5868 \ifnum\XePersian@i < \XePersian@mminusone
5869 \loop
5870 \advance \XePersian@i by 1\relax
5871 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5872 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5873 \fi
5874 \advance \XePersian@dn by \XePersian@d
5875 \XePersian@i=1\relax
5876 \XePersian@sn = \XePersian@persiani
5877 \ifnum \XePersian@sn<\XePersian@dn
5878 \loop
5879 \advance \XePersian@i by 1\relax
5880 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname

```



```

5881 \ifnum \XePersian@sn<\XePersian@dn \repeat
5882 \fi
5883 \ifnum \XePersian@i < 4
5884   \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5885   \advance \XePersian@y by -622\relax
5886 \else
5887   \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5888   \advance \XePersian@y by -621\relax
5889 \fi
5890 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5891 \endcsname
5892 \ifnum\XePersian@i = 1
5893   \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersi
5894 \else
5895   \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5896 \fi
5897 \newcommand*{\persiantoday}{\%
5898 \number\XePersian@d\space%
5899 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5900 }
5901 \let\persianyear\XePersian@y
5902 \let\persianmonth\XePersian@m
5903 \let\persianday\XePersian@d
5904 \def\XePersian@persian@month#1{\ifcase#1\or or\
5905 or\
5906 or\    or\
5907 or\
5908 or\    or\
5909 or\    or\
5910 or\    or\
5911 \fi\

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