The xepersian-hm package
Fixing kashida in xepersian
User Documentation

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Kashida feature in xepersian has problems with some fonts such as HM Series available at https://dma8hm1334.bitbucket.io and X Series 2 available at http://wiki.irmug.com/index.php/X_Series_2. The xepersian-hm package fixes these problems.

The files `kashida-glyph-example.tex` and `kashida-hrule-example.tex` in the directory `texmf-dist/doc/xelatex/xepersian-hm/` can be used as simple examples of the usage of the package.

Please use the Bitbucket issue tracker: https://bitbucket.org/dma8hm1334/xepersian-hm/issues to report a bug, request a feature or if you have a comment.

I will do my best to fix all the bugs you report, but, unfortunately, time is a big hurdle to overcome; so, my apologies in advance for those which I cannot make time to fix.

1 Package loading and options

Please note that xepersian-hm loads xepersian automatically, so you may only pass options to the package using the command `\PassOptionsToPackage` before `\documentclass`. For example:

```
\PassOptionsToPackage{Kashida=off,RTLdocument=on}{xepersian}
\documentclass{report}
\usepackage{xcolor}
\usepackage[Kashida,kashidastretch=0.14 em plus 0.5 em]{xepersian-hm}
```

The options available in xepersian-hm are:

- `Kashida`:
  which implements kashida feature with two possible values:
  - `glyph`:
    which uses the `Kashida` character to stretch the text. With this option

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you should run `xelatex` thrice. For example:

```
rm -f kashida-example.aux
xelatex kashida-example.tex
xelatex kashida-example.tex
xelatex kashida-example.tex
```

Please note that this feature is still experimental and is not regarded as stable. If you are going to use this option be ready for unpredictable results.

– `hrule`:
which uses a horizontal rule (`\hrule`) to stretch the text.

For example `Kashida=glyph` inserts a stretched `Kashida` glyph where ever it is needed.

- `linebreakpenalty`:
which specifies the amount of penalty for preventing bad line-breaking. You may strictly specify the value of this option. For example `'linebreakpenalty=8'` or you may use the default values. The available default values of penalties which are put into the horizontal list output are the negative of the followings:

`min`:	`0`
`low`:	`8`
`medium`:	`15`
`high`:	`25`
`max`:	`10000`

- `kashidastretch`:
which specifies the amount of extra stretching for some combinations of characters. You may strictly specify the value of this option. For example `'kashidastretch=0.14 em plus 0.5 em'` or you may use the default values. The available default values are:

`kayhan`	`0.14 em plus 0.5 em`
`khorramshahr`	`0.131 em plus 0.5 em`
`kayhannavaar`	`0.129 em plus 0.5 em`
`kayhanpook`	`0.133 em plus 0.5 em`
`kayhansayeh`	`0.135 em plus 0.5 em`
`khoramshahr`	`0.128 em plus 0.5 em`
`khorramshahr`	`0.13 em plus 0.5 em`
`niloofar`	`0.132 em plus 0.5 em`
`paatch`	`0.127 em plus 0.5 em`
`riyaz`	`0.125 em plus 0.5 em`
`roya`	`0.142 em plus 0.5 em`
`shafigh`	`0.143 em plus 0.5 em`

shafighKurd	0.126 em plus 0.5 em
shafighUzbek	0.123 em plus 0.5 em
shiraz	0.122 em plus 0.5 em
sols	0.124 em plus 0.5 em
tabriz	0.119 em plus 0.5 em
titr	0.12 em plus 0.5 em
titre	0.121 em plus 0.5 em
traffic	0.124 em plus 0.5 em
vahid	0.134 em plus 0.5 em
vosta	0.136 em plus 0.5 em
yaghut	0.138 em plus 0.5 em
yagut	0.137 em plus 0.5 em
yas	0.126 em plus 0.5 em
yekan	0.141 em plus 0.5 em
yermook	0.139 em plus 0.5 em
zar	0.116 em plus 0.5 em
ziba	0.119 em plus 0.5 em
default	0.14 em plus 0.5 em
noskip	0 em plus 0.5 em

For example: `'kashidastretch=titr'` is equivalent to `'kashidastretch=0.12 em plus 0.5 em'`

2 Commands

`\discouragebadlinebreaks[linebreakpenalty][kashidastretch]{`*text*`}`:

text may not contain paragraph breaks. This command puts a penalty after each Persian word. The optional arguments `linebreakpenalty` and `kashidastretch` locally specify the value of the penalty and the amount of extra stretching for some combinations of characters respectively as discussed previously. For example:

```
\discouragebadlinebreaks[9][0.12 em plus 0.5 em]{…}
```