

The HEP-TEXT package*

List and text extensions

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Abstract

The HEP-TEXT package extends L^AT_EX lists using the ENUMITEM package and provides some text macros.

The package can be loaded by `\usepackage{hep-text}`.

`lang` The `lang` option sets the used language and takes the values allowed by the BABEL package [1], that is loaded for its hyphenation support.

`\enquote` Quotation commands are provided by the CSQUOTES package [2]. It provides the convenient macros `\enquote{<text>}` and `\MakeOuterQuote{}` allowing to leave the choice of quotation marks to L^AT_EX and use " instead of the pair “ and ”, respectively.

`\eg` The FOREIGN package [3] defines macros such as `\eg`, `\ie`, `\cf`, and `\vs` which are typeset as *e.g.*, *i.e.*, *cf.*, and *vs*.

`\no` The `\no{<number>}` macro is typeset as № 123.

`\software` The `\software[<version>]{<name>}` macro is typeset as HEP-PAPER v1.0.

`\online` The `\online{<url>}{<text>}` macro combines the features of the `\href{<url>}{<text>}` [4] and the `\url{<text>}` [5] macros, resulting in *e.g.* `ctan.org/pkg/hep-text`.

`inlinelist` The `inlinelist` and `enumdescript` environments are defined using the ENUMITEM package [6].

`enumdescript` The three main points are
The three main points are i) one, ii) two, and iii) three.

```
\begin{inlinelist}
```

```
\item one
```

```
\item two
```

```
\item three
```

```
\end{inlinelist}
```

```
\begin{enumdescript}[label=\Roman*]
```

```
\item{First} one
```

```
\item{Second} two
```

```
\item{Third} three
```

```
\end{enumdescript}
```

I) **First** one

II) **Second** two

III) **Third** three

*This document corresponds to HEP-TEXT v1.0.

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`\underline` The `\underline` macro is redefined to allow line-breaks using the `SOULUTF8` package [7].

A Implementation

`<*package>`

Load the `KVOPTIONS` package [8] and define a `heptext` namespace.

```
1 \RequirePackage{kvoptions}
2 \SetupKeyvalOptions{
3   family=heptext,
4   prefix=heptext@
5 }
```

`lang` Define the `lang` option, which takes the values provided by the `BABEL` package [1]. Make `british` the default language.

```
6 \DeclareStringOption[british]{lang}
7 \ProcessKeyvalOptions*
```

Load the `BABEL` package [1] for hyphenation and the recommended `CSQUOTES` package [2].

```
8 \RequirePackage[\heptext@lang]{babel}
9 \RequirePackage[autostyle]{csquotes}
```

`\underline` Load the `SOULUTF8` package [7] for hyphenable underlined text.

```
10 \RequirePackage{soulutf8}
11 \let\underline\textul
```

`\vs` Load the `FOREIGN` package [3] in order to highlight abbreviations and vocabularies from foreign languages. Add the missing `\vs` command.

```
12 \RequirePackage{pdftexcmds}
13 \ifnum\pdf@strcmp{\heptext@lang}{american}=0
14   \newcommand{\heptext@lang@foreign}{USenglish}
15 \else
16   \ifnum\pdf@strcmp{\heptext@lang}{USenglish}=0
17     \newcommand{\heptext@lang@foreign}{USenglish}
18   \else
19     \newcommand{\heptext@lang@foreign}{british}
20   \fi
21 \fi
22 \RequirePackage[all, \heptext@lang@foreign]{foreign}
23 \DeclareRobustCommand\vs{\xperiodafter{\foreignabbrfont{vs}}}
```

The FOREIGN package relies on the XSPACE package [9]. Ensure that `\xspace` is compatible with the `\enquote` macro from the CSQUOTE package.

```
24 \xspaceaddexceptions{\csq@qclose@i}
```

`\no` Define the macro `\no{<number>}` for the use of \mathbb{N}^e with appropriate spacing.

```
25 \newcommand{\no}[1]{\textnumero~#1}
```

`\software` Define a macro for software with optional version information `\software[<version>]{<name>}`, using the RELSIZE package [10].

```
26 \RequirePackage{reysize}
27 \newcommand{\software}[2][\hspace{-\fontdimen2\font}] {%
28   {\smaller[.5]\textsc{#2}~#1}%
29 }
```

`\online` Define the `\online{<text>}{<url>}` macro combining the features of the `\href` and the `\email` `\url` macros. Define a macro for typesetting emails.

```
30 \providecommand{\online}[2]{\texttt{#2}}%
31 \providecommand{\hep@email}[1]{\online{mailto:#1}{#1}}
32 \providecommand\email{\hep@email}
33 \AtBeginDocument{\@ifpackageloaded{hyperref}{%
34   \renewcommand{\online}[2]{\href{#1}{\nolinkurl{#2}}}%
35   }{}}
36 }
```

`\prefix` Define the `\prefix{<prefix>}{<word>}` macro ensuring the correct linebreak in (prefix-) word.

```
37 \newcommand{\prefix}[2]{(#1\mbox{-})\allowbreak #2}
```

A.1 Lists

Load the ENUMITEM package [6].

```
38 \RequirePackage[inline]{enumitem}
```

`inlinelist` Define an inline list environment.

```
39 \newlist{inlinelist}{enumerate*}{1}
40 \setlist*[inlinelist,1]{%
41   label=\roman*), itemjoin={,\ }, itemjoin*={, and\ }, after=.%
42 }
```

`enumdescript` Define an enumdescript list environment.

```
43 \newlist{enum@descript}{enumerate}{2}
44 \setlist[enum@descript]{label=\arabic*.
```

```

45 \newenvironment{enumdescript}[1][]{
46 \begin{enum@descript}[#1]
47 \let\hep@item\item
48 \renewcommand{\item}[2][]{
49 \ifx##1&\hep@item\else\hep@item[##1]\fi
50 \textbf{##2}\ifx##2\empty\else~\fi\@ifnextchar\par\@gobble\relax
51 }
52 }\end{enum@descript}}

```

</package>

B Readme

<*readme>

```

53 # The ‘hep-text’ package
54
55 List and text extensions
56
57 ## Introduction
58
59 The ‘hep-text’ package extends ‘LaTeX’ lists using the ‘enumitem package and provides sc
60
61 The package can be loaded by ‘\usepackage{hep-text}’.
62
63 ## Author
64
65 Jan Hajer
66
67 ## License
68
69 This file may be distributed and/or modified under the conditions of the ‘LaTeX’ Project
70 The latest version of this license is in ‘http://www.latex-project.org/lppl.txt’ and ver

```

</readme>

References

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- [2] P. Lehman and J. Wright. ‘The csquotes Package: Context sensitive quotation facilities’ (2003). CTAN: csquotes.
- [3] P. G. Ratcliffe. ‘The foreign package for L^AT_EX 2_ε: Systematic treatment of “foreign” words in documents’ (2012). CTAN: foreign.
- [4] *L^AT_EX 3 Project*. ‘Hypertext marks in L^AT_EX: a manual for hyperref: Extensive support for hypertext in L^AT_EX’ (1995). CTAN: hyperref. GitHub: latex3/hyperref.

- [5] D. Arseneau. ‘The `url` package: Verbatim with URL-sensitive line breaks’ (1996). CTAN: `url`.
- [6] J. Bezos. ‘Customizing lists with the `enumitem` package: Control layout of `itemize`, `enumerate`, `description`’ (2003). CTAN: `enumitem`. URL: texnia.com/enumitem.html. GitHub: [jbezos/enumitem](https://github.com/jbezos/enumitem).
- [7] H. Oberdiek. ‘The `soulutf8` package: Permit use of UTF-8 characters in `soul`’ (2007). CTAN: `soulutf8`.
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- [9] *L^AT_EX Team*. ‘The `xspace` package: Define commands that appear not to eat spaces’ (1993). CTAN: `xspace`.
- [10] D. Arseneau and M. Swift. ‘The `reysize` package: Set the font size relative to the current font size’ (2011). CTAN: `reysize`.