

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. with the appropriate spacing. Issuing `\renewcommand\foreignabbrfont{\itshape}` these abbreviations are typeset in italic.

`\no` The `\no{<number>}` macro is typeset as \mathbb{N}° 123.

`\software` The `\software[<version>]{<name>}` macro is typeset as HEP-PAPER v1.1.

`\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].

The three main points are

```
\begin{inlinelist}
```

```
\item one
```

```
\item two
```

```
\item three
```

```
\end{inlinelist}
```

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

*This document corresponds to HEP-TEXT v1.1.

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```

\begin{enumdescript}[label=\Roman*])
  \item{First} one
  \item{Second} two
  \item{Third} three
\end{enumdescript}

```

I) **First** one
 II) **Second** two
 III) **Third** three

`\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 \PassOptionsToPackage{\heptext@lang}{babel}
9 \RequirePackage{babel}
10 \PassOptionsToPackage{autostyle}{csquotes}
11 \RequirePackage{csquotes}

```

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

```

12 \RequirePackage{soulutf8}
13 \let\underline\textul

```

Check the `lang` option using the PDFTEXCMDS package [9].

```

14 \RequirePackage{pdftexcmds}
15 \ifnum\pdf@strcmp{\heptext@lang}{american}=0
16   \newcommand{\heptext@lang@foreign}{USenglish}
17 \else
18   \ifnum\pdf@strcmp{\heptext@lang}{USenglish}=0
19     \newcommand{\heptext@lang@foreign}{USenglish}
20   \else
21     \newcommand{\heptext@lang@foreign}{british}

```

```
22 \fi
23 \fi
```

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

```
24 \PassOptionsToPackage{all, \heptext@lang@foreign}{foreign}
25 \RequirePackage{foreign}
26 \renewcommand\foreignabbrfont{}
27 \DeclareRobustCommand\vs{\xperiodafter{\foreignabbrfont{vs}}}
```

The FOREIGN package relies on the XSPACE package [10]. Ensure that `\xspace` is compatible with the `\enquote` macro from the CSQUOTE package.

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

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

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

`\software` Define a macro for software with optional version information `\software{<version>}{<name>}`, using the RELSIZE [11] and XPARSE [12] packages.

```
30 \RequirePackage{relsize}
31 \newcommand{\software}[2][\hspace{-\fontdimen2\font}] {%
32   {\smaller[.5]\textsc{#2}~#1}%
33 }
34 \RequirePackage{xparse}
35 \NewExpandableDocumentCommand\hep@gobble@opt@arg{om}{#2}
36 \AtBeginDocument{\@ifpackageloaded{hyperref}{%
37   \pdfstringdefDisableCommands{\let\software\hep@gobble@opt@arg}%
38 }}{}}
```

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

```
39 \providecommand{\online}[2]{\texttt{#2}}%
40 \providecommand{\hep@email}[1]{\online{mailto:#1}{#1}}
41 \providecommand\email{\hep@email}
42 \AtBeginDocument{\@ifpackageloaded{hyperref}{%
43   \renewcommand{\online}[2]{\href{#1}{\nolinkurl{#2}}}%
44 }}{}}
```

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

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

`\subsubparagraph` Define the `\subsubparagraph` macro starting a new paragraph with the same spacing as the `\paragraph` macro but without title.

```
46 \newcommand\subsubparagraph{%
47   \@tempskipa 3.25ex \@plus 1ex \@minus .2ex\relax%
48   \addpenalty\@secpenalty\addvspace\@tempskipa%
49   \everypar{\setbox\z@\lastbox\everypar{}}%
50 }
```

A.1 Lists

Load the `ENUMITEM` package [6].

```
51 \PassOptionsToPackage{inline}{enumitem}
52 \RequirePackage{enumitem}
```

`inlinelist` (*env.*) Define an inline list environment.

```
53 \newlist{inlinelist}{enumerate*}{1}
54 \setlist*[inlinelist,1]{%
55   label=\roman*), itemjoin={, \ }, itemjoin*={, and\ }, after=.%
56 }
```

`enumdescript` (*env.*) Define an `enumdescript` list environment.

```
57 \newlist{enumdesc}{enumerate}{2}
58 \setlist[enumdesc]{label=\arabic*.}
59 \newenvironment{enumdescript}[1] [] {
60   \begin{enumdesc} [#1]
61   \let\hep@item\item
62   \renewcommand{\item}[2] [] {%
63     \ifx##1&\hep@item\else\hep@item[##1]\fi%
64     \textbf{##2}\ifx##2\empty\else\hspace{1em}\fi%
65     \@ifnextchar\par\@gobble\relax%
66   }
67 }\end{enumdesc}}
```

`</package>`

B Readme

`<*readme>`

```
68 # The 'hep-text' package
69
70 List and text extensions
71
72 ## Introduction
73
```

74 The ‘hep-text’ package extends ‘LaTeX’ lists using the ‘enumitem package and provides som
75
76 The package can be loaded by ‘\usepackage{hep-text}’.
77
78 ## Author
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80 Jan Hajer
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82 ## License
83
84 This file may be distributed and/or modified under the conditions of the ‘LaTeX’ Project
85 The latest version of this license is in ‘<http://www.latex-project.org/lppl.txt>’ and vers

</readme>

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- [12] *L^AT_EX 3 Project*. ‘The xparse package: A generic document command parser’ (1999). CTAN: xparse.