The HEP-TEXT package*

Text utilities: language setup, abbreviations, links, breakable underlining and compact lists

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Abstract

The HEP-TEXT package collects lightweight text utilities. It configures language-aware hyphenation, quotation marks, and Latin abbreviations through established LaTeX packages, adds helpers for software names, online references, email addresses, numero labels, prefix constructions, and line-breakable underlining, and defines compact inline and enumerated description lists based on ENUMITEM.

Load the package with `\usepackage{hep-text}`.

`lang` The `lang` option selects the document language. It accepts the language names understood by BABEL [1], which is loaded for hyphenation support.

`\enquote` `\MakeOuterQuote` CSQUOTES [2] provides context-sensitive quotation commands. The macros `\enquote{`⟨*text*⟩`}` and `\MakeOuterQuote{}` leave the choice of quotation marks to LaTeX. The latter also allows `"` to be used instead of the pair ` `` ` and `''`.

`\eg` `\ie` `\cf` `\vs` The FOREIGN package [3] defines common Latin abbreviations such as `\eg`, `\ie`, `\cf`, and `\vs`. They are typeset as e.g., i.e., cf., and vs. with appropriate spacing. Redefine `\foreignabbrfont` to adjust their style, for example `\renewcommand\foreignabbrfont{\itshape}` for italic abbreviations.

`\no` The `\no{`⟨*number*⟩`}` macro prints a numero sign followed by a non-breaking space, as in № 123.

`\software` The `\software[`⟨*version*⟩`]{`⟨*name*⟩`}` macro typesets software names in small caps, with optional version information, as in HEP-PAPER v1.6.

`\online` The `\online{`⟨*url*⟩`}{`⟨*text*⟩`}` macro links ⟨*text*⟩ to ⟨*url*⟩ when HYPERREF [4] is loaded and otherwise prints the text in a URL-like style, as in `ctan.org/pkg/hep-text`.

`\email` The `\email{`⟨*address*⟩`}` macro is shorthand for `\online{`⟨*mailto:address*⟩`}{`⟨*address*⟩`}`, as in `jan.hajer@tecnico.ulisboa.pt`.

`\prefix` The `\prefix{`⟨*prefix*⟩`}{`⟨*word*⟩`}` macro typesets prefix constructions with a permissible line break after the prefix, as in (pre-)selection.

`\subsubparagraph` The `\subsubparagraph` macro starts an unnumbered paragraph-level break with the same vertical spacing as `\paragraph` but without a heading.

`inlinelist` `enumdescript` The `inlinelist` and `enumdescript` environments are built with ENUMITEM [5].

*This document corresponds to HEP-TEXT v1.6.

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```
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.

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

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

In `enumdescript`, `\item[`⟨*label*⟩`]{`⟨*title*⟩`}` prints the title in bold; lists nested inside keep their usual `\item`.

`\underline` The `\underline` macro is redefined with SOUL [6] so that underlined text can break across lines. In math mode it keeps its standard meaning. Text containing macros unknown to SOUL, such as `\ref{`⟨*key*⟩`}`, `\enquote{`⟨*text*⟩`}`, or `\eg`, is underlined as a whole without line breaks.

If HYPERREF is loaded, software names, online links, email addresses, underlined text, and the foreign abbreviations reduce to their plain text in PDF strings such as bookmarks.

References

[1] J. Braams, J. Bezos, and at al. 'Babel Localization and internationalization: Multilingual support for Plain TEX or LATEX' (1989). CTAN: babel. GitHub: latex3/babel.

[2] P. Lehman and J. Wright. 'The csquotes Package: Context sensitive quotation facilities' (2003). CTAN: csquotes.

[3] P. G. Ratcliffe. 'The foreign package: Systematic treatment of "foreign" words in documents' (2012). CTAN: foreign.

[4] *LATEX3 Project*. 'Hypertext marks in LATEX: a manual for hyperref: Extensive support for hypertext in LATEX' (1995). CTAN: hyperref. GitHub: latex3/hyperref.

[5] 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.

[6] M. Franz. 'The soul package: Hyphenation for letterspacing, underlining, and more' (1998). CTAN: soul.