

# The HEP-TEXT package\*

## List and text extensions

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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 L<sup>A</sup>T<sub>E</sub>X 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** CSQUOTES [2] provides context-sensitive quotation commands. The macros `\enquote{<text>}` and `\MakeOuterQuote{}` leave the choice of quotation marks to L<sup>A</sup>T<sub>E</sub>X. The latter also allows " to be used instead of the pair ‘ ‘ and ’ ’.

**\eg** 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.

**\vs** The `\no{<number>}` macro prints a numero sign followed by a non-breaking space, as in N<sup>o</sup> 123.

**\no** The `\software{<version>}{<name>}` macro typesets software names in small caps, with optional version information, as in HEP-PAPER v1.5.

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

**enumdescript**

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\*This document corresponds to HEP-TEXT v1.5.

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The three main points are

```
\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}
```

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

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

`\underline` The `\underline` macro is redefined with `soul` [6] so that underlined text can break across lines.

## References

- [1] J. Braams, J. Bezos, and at al. ‘**Babel** Localization and internationalization: Multilingual support for Plain  $\text{\TeX}$  or  $\text{\LaTeX}$ ’ (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] *L<sup>A</sup>T<sub>E</sub>X*3 Project. ‘Hypertext marks in  $\text{\LaTeX}$ : a manual for **hyperref**: Extensive support for hypertext in  $\text{\LaTeX}$ ’ (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**.