The **HEP-TEXT** package*

List and text extensions

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Abstract

The **HEP-TEXT** package extends **\LaTeX** 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.

**\quote** Quotation commands are provided by the **csquotes** package [2]. It provides the convenient macros \quote{text} and \MakeOuterQuote{} allowing to leave the choice of quotation marks to **\LaTeX** 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{\langleversion\rangle}{\langlename\rangle} macro is typeset as HEP-PAPER v1.0.

**\online** The \online{\langleurl\rangle}{\langletext\rangle} macro combines the features of the \href{\langleurl\rangle}{\langletext\rangle} [4] and the \url{\langletext\rangle} [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

\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

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*This document corresponds to **\hep-text** v1.0.
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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.

```latex
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.

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

Load the `babel` package [1] for hyphenation and the recommended `csquotes` package [2].

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

Load the `soulutf8` package [7] for hyphenable underlined text.

```latex
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.

```latex
12 \RequirePackage{pdftexcmds}
13 ifnum\pdfstrcmp{\heptext@lang}{american}=0  
14 \newcommand{\heptext@lang@foreign}{USenglish}
15 else
16 ifnum\pdfstrcmp{\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{{foreignabbbrfont{vs}}}}
```
The **foreign** package relies on the **xspace** package [9]. Ensure that \texttt{xspace} is compatible with the \texttt{enquote} macro from the \texttt{csquote} package.

\begin{verbatim}
\xspaceaddexceptions{\csq@qclose@i}
\end{verbatim}

\no Define the macro \texttt{\no\{\textit{number}\}} for the use of \texttt{\#} with appropriate spacing.

\begin{verbatim}
\newcommand{\no}{[1]{\texttt{\#}}}\end{verbatim}

\software Define a macro for software with optional version information \texttt{software\{\textit{version}\}} \{\textit{name}\}, using the \texttt{relsize} package [10].

\begin{verbatim}
\RequirePackage{relsize}
\newcommand{\software}[2]{\smaller[.5]\textsc{#2}~#1}
\end{verbatim}

\online Define the \texttt{\online\{\textit{text}\}\{\textit{url}\}} macro combining the features of the \texttt{\href} and the \texttt{url} macros. Define a macro for typesetting emails.

\begin{verbatim}
\providecommand{\online}[2]{\texttt{#2}}
\providecommand{\hep@email}[1]{\online{mailto:#1}{#1}}
\providecommand{\email}{\hep@email}
\AtBeginDocument{\@ifpackageloaded{hyperref}{\renewcommand{\online}[2]{\href{#1}{\nolinkurl{#2}}}}{}}
\end{verbatim}

\prefix Define the \texttt{\prefix\{\textit{prefix}\}\{\textit{word}\}} macro ensuring the correct linebreak in \texttt{(prefix-)}word.

\begin{verbatim}
\newcommand{\prefix}[2]{(#1\mbox{-)}\allowbreak #2}
\end{verbatim}

A.1 Lists

Load the \texttt{enumitem} package [6].

\begin{verbatim}
\RequirePackage{inline}{enumitem}
\end{verbatim}

\inlinelist Define an inline list environment.

\begin{verbatim}
\newlist{inlinelist}{enumerate*}{1}
\setlist*[inlinelist,1]{\label=\roman*}, itemjoin={, \ }, itemjoin*=\{, and \ }, after=.\}
\end{verbatim}

\enumdesc Define an enumdesc list environment.

\begin{verbatim}
\newlist{enum@desc}{enumerate}{2}
\setlist[enum@desc]{\label=\arabic*}
\end{verbatim}
B  Readme

<*readme>

# The ‘hep-text’ package

List and text extensions

## Introduction

The ‘hep-text’ package extends ‘LaTeX’ lists using the ‘enumitem package and provides some text macros.

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

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References


