The \textbf{printlen} package*

Print lengths in a variety of units

Peter Wilson, Herries Press       Harald Harders†
Maintainer: Will Robertson‡

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1 Usage

\texttt{\printlength{〈length〉}} prints the value of a \LaTeX{} length in the units specified by \texttt{\uselengthunit{〈unit〉}}, where \texttt{〈unit〉} may be any \TeX{} length unit except for scaled point. That is, \texttt{〈unit〉} may be any of: pt, pc, in, mm, cm, bp, dd or cc. When \texttt{pt} is set the printed length value will include any stretch or shrink values, otherwise these are not printed. The \texttt{〈unit〉} argument may also be \texttt{PT}, in which case length values will be printed in pt units but without any stretch or shrink values. An unknown value for \texttt{〈unit〉} is treated as though it had been specified as \texttt{pt}.

The unit is separated from the number using the command \texttt{\unitspace} which is set to \texttt{\ }, by default. In math mode the units are printed upright.

\texttt{\texttt{\rndprintlength{length}}} prints the rounded value of a \LaTeX{} length. Use \texttt{PT} instead of \texttt{pt} for rounded points if there are stretch or shrink values.

The initial setting is \texttt{\uselengthunit{pt}}

Example:

1 The \texttt{\verb|\textwidth|} is \texttt{\printlength{\textwidth}} which is also
2 \texttt{\uselengthunit{in}\printlength{\textwidth}} and
3 \texttt{\uselengthunit{mm}\printlength{\textwidth}}.

*This manual corresponds to \texttt{printlen.sty} v1.1a, dated 2009/09/03.

\texttt{h.harders@tu-bs.de}
\texttt{will.robertson@latex-project.org}
2 Change history

Version 1.1a (2009/09/03)
• New maintainer (Will Robertson)

Version 1.1 (2001/12/09)
• Print rounded values
  • Space between value and units

Version 1.0 (2001/11/03)
• First public release