The sepnum package∗
Separated numbers
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This package provides a means of formatting numbers with (a) a decimal separator different of the default (‘.’) and (b) a separator (default ‘,’) every three digits.

First version of this package was posted to the newsgroup ‘de.comp.tex’ November 6th, 1995 (as ‘printnum.sty’).

1 Licensing condition

This program may be redistributed and/or modified under the terms of the \TeX Project Public License, either version 1.0 of this license, or (at your option) any later version. The latest version of this license is in CTAN:macros/latex/base/lppl.txt.

2 Usage

The macro
\sepnum\{\langle c\rangle\}\{\langle sbc\rangle\}\{\langle sac\rangle\}\{\langle number\rangle\}
produces the \langle number\rangle with the decimal point replaced by \langle c\rangle and the separator \langle sbc\rangle every three digits in the integer part, the separator \langle sac\rangle every three digits in the fractional part of \langle number\rangle. \sepnum is fully expandable and not fragile, unless one of \langle c\rangle, \langle sbc\rangle, or \langle sac\rangle is.

∗This manual corresponds to sepnum v2.0, dated 1996/09/05.
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Example:

- a non realistic example to show the capabilities of `\sepnum`
  \sepnum{,}{*}{-}{1234.5678} ⇒ 1*234,567-8
- to print a number inserting small spaces each three digits
  \sepnum{.}{,}{,}{1234.5678} ⇒ 1 234.567 8

Additionally this package provides
\sepnumform{〈c〉}{〈sbc〉}{〈sac〉}{〈\TeX-counter〉}
to use \sepnum with a \TeX counter.

Example (with a decimal comma in the print form `\the<counter>`):

\newcounter{money}
\renewcommand{\themoney}{\sepnumform{,}{.}{}{money}}
\setcounter{money}{-1000}
You have `\themoney` left.

(For compatibility with ‘printnum.sty’, the macros `\printnum{(number)}` and `\printnumKomma/\printnumTrenner` still exist.)

3 See also

- Package “comma.sty” by David Carlisle which provides similar features for integers only, i.e. it misses support for the decimal point/comma in fixed point numbers.
- Package “numprint.sty” by Harald Harders supporting formatting of numbers given as 1234e5 in addition.