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ifmtarg.sty

The ifmtarg package

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1 Documentation

The ifmtarg package provides an if-then-else programmer's command \@ifmtarg for testing for an empty macro argument. 'Empty' here refers to an argument of zero or more spaces only.¹ The command is fully expandable; its syntax is:

argCode for arg empty

Code for arg not empty

A variation is provided, , to be used when only the 'false' branch is required. It is slightly more efficient when code is only required for a non-empty argument.

argCode for arg not empty

2 Examples

\newcommand{\isempty}{1]{%
 \@ifmtarg{#1}{YES}{NO}}

\newcommand{\isnotempty}[1]{%
 \@ifnotmtarg{#1}{YES}}

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3 History

(*Peter's comments follow*.) In an Email to me on 13 March 2000, Donald Arseneau pointed out some failings with my original definition of the

command:

\newcommand{\@ifmtarg}[3]{%
 \edef\@mtarg{\zap@space#1 \@empty}%
 \ifx\@empty\@mtarg\relax #2\else #3\fi}

It works most of the time correctly but Donald showed that it can give unexpected results under conditions that I had not thought of. He suggested the coding that now appears in the package above for the

and commands. For a discussion on detecting empty arguments see CTAN/info/aro-bend/answer.002

Change History

v1.2a New maintainer (Will Robertson)

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[&]quot;If you need a command to test for emptiness that doesn't include spaces, use the ${}_if_empty$: nTF|conditionalfromtheexpl3package.s equivalent to expl3's ${}_if_blank: n^2EE$ tp://www.latex-project.org/lppl.txt

4 Implementation

ifmtarg.sty