The totalcount package*

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https://gitlab.com/axelsommerfeldt/totalcount

2013/05/12

Abstract

This package offers commands for typesetting total values of counters.

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1 Loading the package

Load this package using

\usepackage[⟨options⟩]{totalcount} ,

where ⟨options⟩ is a list of names of \LaTeX counters, e.g.:

\usepackage[figure,table]{totalcount} .

This way the commands \totalfigures and \totaltables will be defined which are typesetting the total number of figures resp. tables, e.g.:

This document contains \totalfigures figures.

Furthermore the commands \iftotalfigures and \iftotaltables are offered for typesetting text only if the document contains figures resp. tables at all, e.g.:

\iftotalfigures
  \listoffigures
\fi

*This package has version number v1.0.
This should work with other counters as well (for example equation or lstlisting offered by the listings package [1]), but please note that using the page counter here is not supported.

2 \texttt{\textbackslash DeclareTotalCounter}

\texttt{\textbackslash DeclareTotalCounter\{\textit{counter}\}}

actually defines the commands \texttt{\textbackslash total\{counter\}}s and \texttt{\textbackslash iftotal\{counter\}}s. So in fact

\texttt{\textbackslash usepackage\{figure,table\}\{totalcount\}}

is identical to

\texttt{\textbackslash usepackage\{totalcount\}}
\texttt{\textbackslash DeclareTotalCounter\{figure\}}
\texttt{\textbackslash DeclareTotalCounter\{table\}}

3 Spacing

The space after all \LaTeX\ commands without (optional or mandatory) arguments like \texttt{\textbackslash totalfigures} will not be typeset, so these commands needs to be finished with an additional backslash or an empty pair of curly braces right before the space character, or to be finished with a tilde (swung dash), so \LaTeX\ will be prevented from omitting the following space character.

This could be avoided by defining new commands with the help of the xspace package [2]. When using the totalcount package with the package option xspace this will be actually done, so after

\texttt{\textbackslash usepackage\{figure,table,xspace\}\{totalcount\}}

code like

\texttt{This document contains \textbackslash totalfigures figures.}

will give correct results without a missing space between the total number of figures and the word “figures”.

4 Thanks

I would like to thank Herbert Voß since the implementation of this package is based on an idea from him which could be found at http://texnik.dante.de/cgi-bin/mainFAQ.cgi?file=counter/counter#number.
References

[1] Carsten Heinz & Brooks Moses:  
*The Listings Package*,  
2007/02/22

[2] David Carlisle and Morten Høgholm:  
*The xspace package*, 2009/10/20