

# The totalcount package\*

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<https://gitlab.com/axelsommerfeldt/totalcount>

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## 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 L<sup>A</sup>T<sub>E</sub>X 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 `\DeclareTotalCounter`

```
\DeclareTotalCounter{<counter>}
```

actually defines the commands `\total{<counter>s}` and `\iftotal{<counter>s}`.

So in fact

```
\usepackage[figure,table]{totalcount}
```

is identical to

```
\usepackage{totalcount}
\DeclareTotalCounter{figure}
\DeclareTotalCounter{table}
```

## 3 Spacing

The space after all  $\LaTeX$  commands without (optional or mandatory) arguments like `\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  $\TeX$  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

```
\usepackage[figure,table,xspace]{totalcount}
```

code like

```
This document contains \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