

The `eqnnumwarn` Package

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1 About

Sometimes an equation is too long that an equation number will be typeset below the equation itself, but yet not long enough to yield an “overfull `\hbox`” warning. The `eqnnumwarn` package modifies the standard `amsmath` numbered equation environments to throw a warning whenever this occurs.

2 Usage

The package may be used simply by placing `\usepackage{eqnnumwarn}` somewhere in the preamble.

2.1 User Commands

The package includes two commands, `\intomargin` and `\noeqnnumwarn`, to modify the default behavior.

`\intomargin` When the equation is just slightly too large, it can be acceptable to move the equation into the margin just as much as needed to prevent the displacement of the equation number. To do this, place the command `\intomargin` immediately before the equation environment. This currently only works with the `equation` environment.

`\noeqnnumwarn` If for whatever reason you wish to prevent a particular equation from generating a warning, place `\noeqnnumwarn` immediately before the equation environment.

3 Demonstration

The following equation doesn’t displace the equation number, and so of course doesn’t throw a warning.

————— No Warning ————— (1)

On the other hand, the following equation does displace the equation number, and so does throw a warning.

————— Warning ————— (2)

The following equation is identical to the previous except that it was immediately preceded by `\intomargin`, which results in no displaced equation number (and hence no warning).

Warning ————— (3)

The following is again identical to (2), except that it was preceded by `\noeqnnumwarn`: the equation number is displaced, but yet no warning is thrown.

Warning ————— (4)

4 Miscellaneous

4.1 Acknowledgments

The development of this package actually started with a question of mine on tex.stackexchange (<https://tex.stackexchange.com/questions/384222>). I have incorporated some code by David Carlisle from his answer there.

I also made use of code taken from another question on tex.stackexchange (<https://tex.stackexchange.com/questions/191140/>), which determines the stretchability/shrinkability of a given `\hbox`.

This documentation was created using a template and class due to Philipp Lehman.

4.2 Reporting issues

The current version should still very much be considered in “beta”, and as such I expect there are bugs to be found. If do find any problems, or otherwise have any comments, suggestions, etc., please e-mail me at jgleason@math.berkeley.edu.

4.3 Revision History

1.0 2017/10/09

Initial public release

4.4 Licensing

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