

The package **EASYTABLE**

Enrico Bertolazzi

Department of Mechanics and Structures Engineering
University of Trento
via Mesiano 77, I – 38050 Trento, Italy

enrico.bertolazzi@ing.unitn.it

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Abstract

The **EASYTABLE** package is a macro package for writing tables, with equal column widths or equal rows heights or both, with various kinds of rules (lines) between rows and columns. It uses an array/tabular-like syntax.

1 How to use it

The package is loaded by means of the usual way:

```
\documentclass{article}  
.  
.  
\usepackage[thinlines,thicklines]{easytab}  
.  
.
```

The options `thinlines`, and `thicklines` are self explanatory.

The package **EASYTAB** provides the **TAB** environment which is a simple (re)-implementation of the array—tabular environment, with some limitations and some additional features. The syntax can be either

```
\begin{TAB}\'(eq)\'\'[ex]\'\'{cc...c}\'\'{cc...c}\'  
a & b & ... & n \\  
...  
\end{TAB}
```

or

```
\begin{TAB} `(eq,mx,my)' `[ex,MX,MY]' `{cc...c}' `{cc...c}'
  a & b & ... & n \\
  ...
\end{TAB}
```

- **(eq)** or **(eq,mx,my)**. By **eq** you can balance the rows or the column or both, as shown in this table:

Table 1.

value of eq	effect
@	no balancing
r	equal rows heights
c	equal column widths
b	equal rows heights and equal column widths
e	equal rows heights and column widths

By **mx** and **my** you can modify the minimum size of the box in the **TAB** environment. This must be a valid measure e.g. **2pt**. This is useful in writing matrices and vectors.

- **[ex]** or **[ex,MX,MY]**. By **ex** you can specify the amount of extra space around the item in the **TAB** environment. The default is **2pt**. By **MX** and **MY** you can modify the minimum size of the whole table in the **TAB** environment. This must be a valid measure e.g. **10cm**.
- The first **{cc...c}** is the definition of the columns and their alignment. The possible alignment for the columns are:

Table 2.

c	centering
l	flush left
r	flush right

- The second **{cc...c}** is the definition of the rows their alignment. The possible alignment for the rows are:

Table 3.

c	centering
t	flush top
b	flush bottom

IMPORTANT: The package can manage matrices with a maximum of **30** rows by **30** columns.

IMPORTANT: The functionality of the environment “TAB” is the same of the environment **BMAT** the only difference is that its entries are in “text” mode not in “mathematic” mode. Please read the documentation of the package **EASYBMAT** to understand how to use “TAB”.