

# The package `EASYTABLE`

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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 <b>eq</b>	effect
<b>@</b>	no balancing
<b>r</b>	equal rows heights
<b>c</b>	equal column widths
<b>b</b>	equal rows heights and equal column widths
<b>e</b>	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 an 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.**

<b>c</b>	centering
<b>l</b>	flush left
<b>r</b>	flush right

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

**Table 3.**

<b>c</b>	centering
<b>t</b>	flush top
<b>b</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”.