The package **EASYTABLE**

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19th March 2002

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}
```
The package **EASYTABLE**

\begin{equation}
\begin{tabular}{|c|c|c|}
\hline
value of \texttt{eq} & effect \\
\hline
\texttt{r} & equal rows heights \\
\texttt{c} & equal column widths \\
\texttt{b} & equal rows heights and equal column widths \\
\texttt{e} & equal rows heights and column widths \\
\hline
\end{tabular}
\end{equation}

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

\bullet \texttt{[ex]} or \texttt{[ex,MX,MY]}. By \texttt{ex} you can specify the amount of extra space around the item in the \texttt{TAB} environment. The default is \texttt{2pt}. By \texttt{MX} and \texttt{MY} you can modify the minimum size of the whole table in the \texttt{TAB} environment. This must be a valid measure e.g. \texttt{10cm}.

\bullet The first \texttt{\{cc...c\}} is the definition of the columns and their alignment. The possible alignment for the columns are:

\begin{table}[h]
\centering
\begin{tabular}{|c|}
\hline
\texttt{c} & centering \\
\hline
\texttt{l} & flush left \\
\hline
\texttt{r} & flush right \\
\hline
\end{tabular}
\end{table}

\bullet The second \texttt{\{cc...c\}} is the definition of the rows their alignment. The possible alignment for the rows are:

\begin{table}[h]
\centering
\begin{tabular}{|c|}
\hline
\texttt{c} & centering \\
\hline
\texttt{t} & flush top \\
\hline
\texttt{b} & flush bottom \\
\hline
\end{tabular}
\end{table}
The package **EASYTABLE**

**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”.